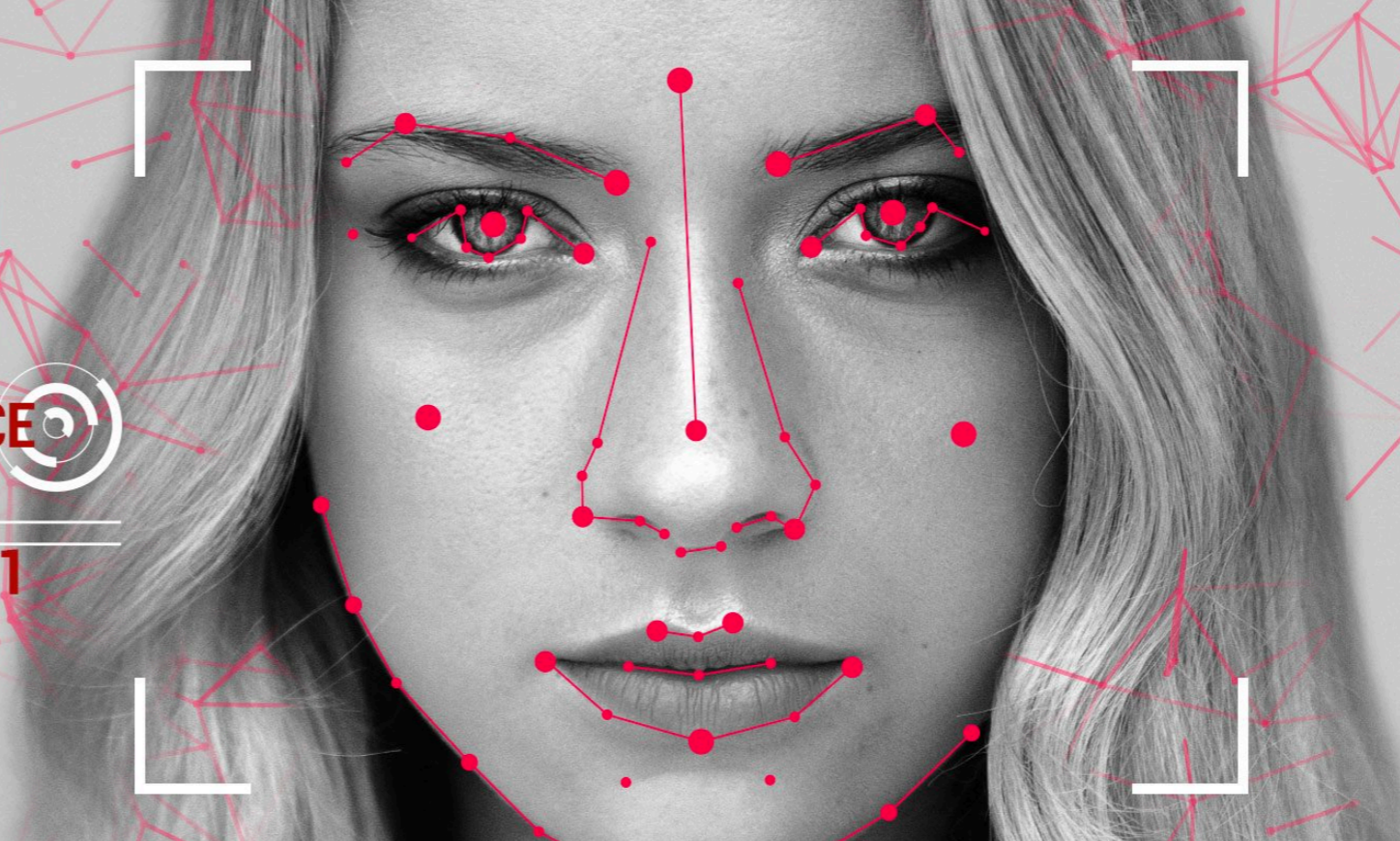




**25th INTERNATIONAL CONFERENCE
ON PATTERN RECOGNITION**

Virtual-Milano 10 | 15 January 2021

*"putting Artificial Intelligence
to work on patterns"*



ICPR2020 Virtual

25th International Conference on Pattern Recognition

10 | 15 January 2021

Main Conference Program

ICPR2020 Program at a Glance

DAY 1 – January 12, 2021

CET

12:00 PM	OPENING								
1:00 PM	King-Sun Fu award Ching Yee Suen								
2:00 PM	Oral Track1.1	Oral Track1.2	Oral Track2.1	Oral Track3.1	Oral Track4.1	Oral Track5.1	Challenge 1	BREAK 1	
3:00 PM	Oral Track1.3	Oral Track5.2	Poster Track1.1	Poster Track1.2	Poster Track3.1	Demo1	Challenge 2	BREAK 2	
4:00 PM	J.K. Aggarwal award Abhinav Gupta								
5:00 PM	BIRPA Prize Panel 1	Poster Track2.1	Poster Track3.2	Poster Track3.3	Poster Track4.1	Poster Track5.1	Poster Track5.2	BREAK 3	

DAY 2 – January 13, 2021

CET

12:00 PM		Poster Track1.3	Poster Track1.4	Poster Track2.2	Poster Track3.4	Poster Track4.2	Poster Track5.3	Demo 2	
1:00 PM	Maria Petru award Maja Pantic								
2:00 PM		Oral Track1.4	Oral Track3.2	Oral Track5.3	Poster Track1.5	Poster Track1.6	Poster Track2.3	Challenge 3	BREAK 4
3:00 PM	Keynote Mihaela van der Schaar								
4:00 PM		Panel 2	Poster Track1.7	Poster Track1.8	Poster Track3.5	Poster Track3.6	Poster Track5.4	Challenge 4	BREAK 5

**IAPR
Governing Board
Meeting**

DAY 3 – January 14, 2021

CET

12:00 PM		Poster Track1.9	Poster Track1.10	Poster Track2.4	Poster Track3.7	Poster Track4.3	Poster Track5.5		BREAK 6
1:00 PM	Keynote Max Welling								
2:00 PM		Oral Track1.5	Oral Track2.2	Oral Track3.3	Oral Track5.4	Poster Track1.11	Poster Track3.8		BREAK 7
3:00 PM		Panel 3	Demo 3	Demo 4	Challenge 5	Challenge 6			
4:00 PM		Oral Track1.6	Oral Track3.4	Poster Track1.12	Poster Track3.9	Poster Track5.6			BREAK 8
5:00 PM	Keynote Pietro Perona								IAPR Governing Board Meeting

DAY 4 – January 15, 2021

CET

12:00 PM	Plenary IAPR Fellows								
1:00 PM	Oral Track1.7	Oral Track2.3	Oral Track3.5	Oral Track3.6	Oral Track4.2	Oral Track5.5	Challenge 7	BREAK 9	
2:00 PM	Keynote David Doermann								
3:00 PM	Oral Track1.8	Poster Track1.13	Poster Track1.14	Poster Track2.5	Poster Track3.10	Poster Track5.7	Challenge 8	BREAK 10	
4:00 PM	Poster Track1.15	Poster Track1.16	Poster Track3.11	Poster Track5.8					
5:00 PM	Best paper awards CLOSING								

LEGEND

Track 1: Artificial Intelligence, Machine Learning for Pattern Analysis

Track 2: Biometrics, Human Analysis and Behavior Understanding

Track 3: Computer Vision, Robotics and Intelligent Systems

Track 4: Document and Media Analysis

Track 5: Image and Signal Processing

ICPR2020 Main Conference Program

Day date	Session code	Session type	Presentation mode	Session start time CET	Session end time CET	Session chair/authors	Paper id	Also presented in
DAY 1 - January 12								
DAY 1 – Jan 12, 2021	O 1	Opening	Main Stage	12:00 PM	1:00 PM	Alberto del Bimbo Stan Sclaroff Apostolos Antonopoulos Kim Boyer Nicu Sebe Rita Cucchiara		
DAY 1 – Jan 12, 2021	KE 1	King-Sun Fu Award Keynote	Main Stage	1:00 PM	2:00 PM	Gunilla Borgefors Ching Yee Suen	gunilla.borgefors@it.uu.se	From Handwriting to Human Personality and Facial Beauty
DAY 1 – Jan 12, 2021	BR 1	Interlude	Live	2:00 PM	2:30 PM			Visiting Milan
DAY 1 – Jan 12, 2021 Track 1: Designing Machine Learning	OS T1.1	Oral	Live	2:00 PM	3:00 PM	Mubarak Shah, Elisa Ricci	shah@crv.ucf.edu, eliricci@fbk.eu	
DAY 1 – Jan 12, 2021- DAY 1 – Jan 12, 2021			Live			Asad, Muhammad; Basaru, Rilwan; Al Arif, S M Masudur Rahman; Slabaugh, Greg	120	PS T1.1 PROPEL: Probabilistic Parametric Regression Loss for Convolutional Neural Networks
DAY 1 – Jan 12, 2021- DAY 1 – Jan 12, 2021			Live			Bechtle, Sarah; Molchanov, Artem; Chebotar, Yevgen; Grefenstette, Edward Thomas; Righetti, Ludovic; Sukhatme, Gaurav; Meier, Franziska	1163	PS T1.1 Meta Learning Via Learned Loss
DAY 1 – Jan 12, 2021- DAY 1 – Jan 12, 2021			Live			Jang, Hyeryung; Skatchkovsky, Nicolas; Simeone, Osvaldo	1274	PS T1.1 VOWEL: A Local Online Learning Rule for Recurrent Networks of Probabilistic Spiking Winner-Take-All Circuits
DAY 1 – Jan 12, 2021- DAY 2 -Jan 13, 2021			Live			Tan, Yi Xiang Marcus; Elovici, Yuval; Binder, Alexander	2085	PS T1.2 Adaptive Noise Injection for Training Stochastic Student Networks from Deterministic Teachers
DAY 1 – Jan 12, 2021- DAY 1 – Jan 12, 2021			Live			Forouzes, Mahsa; Salehi, Farnood; Thiran, Patrick	2047	PS T1.2 Generalization Comparison of Deep Neural Networks Via Output Sensitivity
DAY 1 – Jan 12, 2021- DAY 2 - Jan 13, ,2021			Live			Goh, Gary Shing Wee; Lapuschkin, Sebastian; Weber, Leander; Samek, Wojciech; Binder, Alexander	1363	PS T1.3 Understanding Integrated Gradients with SmoothTaylor for Deep Neural Network Attribution
DAY 1 – Jan 12, 2021 Track 1: Machine Learning	OS T1.2	Oral	Live	2:00 PM	3:00 PM	Yannis Avrithis, Carlo Sansone	yannis@avrithis.net, carlo.sansone@unina.it	
DAY 1 – Jan 12, 2021 - DAY 2 - Jan 13, 2021			Live			Liu, Huikang; Wang, Xiaolu; Li, Jiajin; So, Man-Cho Anthony	710	PS T1.5 Low-Cost Lipschitz-Independent Adaptive Importance Sampling of Stochastic Gradients
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Gangopadhyay, Anirban	868	PS T1.1 An Empirical Bayes Approach to Topic Modeling
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Mikhailiuk, Aliaksei; Wilmot, Clifford; Perez-Ortiz, Maria; Yue, Dingcheng; Mantiuk, Rafal	807	PS T1.2 Active Sampling for Pairwise Comparisons via Approximate Message Passing and Information Gain Maximization
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Ortego, Diego; Arazo, Eric; Albert, Paul; O'Connor, Noel E; McGuinness, Kevin	1948	PS T1.2 Towards Robust Learning with Different Label Noise Distributions
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Patel, Kanil; Beluch, William; Zhang, Dan; Pfeiffer, Michael; Yang, Bin	2211	PS T1.2 On-Manifold Adversarial Data Augmentation Improves Uncertainty Calibration
DAY 1 – Jan 12, 2021 - DAY 2 - Jan 13, 2021			Live			Park, Jaewoo; Jung, Yoon Gyo; Teoh, Andrew	1965	PS T1.5 Discriminative Multi-Level Reconstruction under Compact Latent Space for One-Class Novelty Detection
DAY 1 – Jan 12, 2021 Track 2: Human Behaviour Understanding	OS T2.1	Oral	Live	2:00 PM	3:00 PM	Majid Mirmehdi, Lorenzo Seidenari	m.mirmehdi@bristol.ac.uk, lorenzo.seidenari@unifi.it	
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Pacheco, Carolina; Mavroudi, Effrosyni; Kokkoni, Elena; Tanner, Herbert; Vidal, Rene	1669	PS T2.1 A Detection-based Approach to Multiview Action Classification in Infants

DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Nguyen, Xuan Son; Brun, Luc; Lezoray, Olivier; Bougleux, Sébastien		443	PS T2.1	Learning Recurrent High-Order Statistics for Skeleton-Based Hand Gesture Recognition
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Voillemin, Théo; Wannous, Hazem; Vandeborre, Jean-Philippe		1028	PS T2.1	2D Deep Video Capsule Network with Temporal Shift for Action Recognition
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Guy, Sylvain; lathuiliere, Stéphane; Mesejo, Pablo; Horaud, Radu		1331	PS T2.1	Learning Visual Voice Activity Detection with an Automatically Annotated Dataset
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Delorme, Guillaume; Xu, Yihong; Lathuiliere, Stéphane; Horaud, Radu; Alameda-Pineda, Xavier		1235	PS T2.1	CANU-ReID: A Conditional Adversarial Network for Unsupervised Person Re-Identification
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021			Live			Nam, Suekyeong; Lee, Seungkyu		1743	PS T2.2	JT-MGCN: Joint-Temporal Motion Graph Convolutional Network for Skeleton-Based Action Recognition
DAY 1 – Jan 12, 2021 Track 3: Computer Vision	OS T3.1	Oral	Live	2:00 PM	3:00 PM	Andrea Cavallaro, Giovanni Maria Farinella	a.cavallaro@qmul.ac.uk, gfarinella@dmi.unict.it			
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Gasparini, Riccardo; D'Eusanio, Andrea; Borghi, Guido; Pini, Stefano; Scaglione, Giuseppe; Calderara, Simone; Fedeli, Eugenio; Cucchiara, Rita		1010	PS T3.1	Anomaly Detection, Localization and Classification for Railway Inspection
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Malon, Thierry; Chambon, Sylvie; Crouzil, Alain; Charvillat, Vincent		1474	PS T3.1	Story Comparison for Estimating Field of View Overlap in a Video Collection
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021			Live			Sharghi, Aidean; Da Vitoria Lobo, Niels; Shah, Mubarak		1188	PS T3.6	Text Synopsis Generation for Egocentric Videos
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021			Live			Rizve, Mamshad Nayeem; Demir, Ugur; Tirupattur, Praveen; Rana, Aayush Jung; Duarte, Kevin; Dave, Ishan Rajendrakumar; Rawat, Yogesh; Shah, Mubarak		1185	PS T3.6	Gabriella: An Online System for Real-Time Activity Detection in Untrimmed Security Videos
DAY 1 – Jan 12, 2021 - DAY 3 – Jan 14, 2021			Live			Fatima, Mishal; Karim Khan, Umar; Min Kyung, Chong		870	PS T3.7	Global Feature Aggregation for Accident Anticipation
DAY 1 – Jan 12, 2021 - DAY 3 – Jan 14, 2021			Live			Wang, Kuan-Hsun; Cheng, Chia Chun; Chen, Yi-Ling; Song, Yale; Lai, Shang-Hong		1467	PS T3.8	Attention-Based Deep Metric Learning for Near-Duplicate Video Retrieval
DAY 1 – Jan 12, 2021 Track 4: Document Analysis	OS T4.1	Oral	Live	2:00 PM	3:00 PM	Laurence Likforman, Angelo Marcelli	likforman@telecom-paris.fr, amarcelli@unisa.it			
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Boillet, Mélodie; Kermorvant, Christopher; paquet, thierry		706	PS T4.1	Multiple Document Datasets Pre-Training Improves Text Line Detection with Deep Neural Networks
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Souibgui, Mohamed Ali; Fornés, Alicia; Kessentini, Yousri; Tudor, Crina		1477	PS T4.1	A Few-Shot Learning Approach for Historical Ciphered Manuscript Recognition
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Quirós, Lorenzo; Vidal, Enrique Kim, Edward; Onweller, Connor; McCoy, Kathleen F.		2114	PS T4.1	Learning to Sort Handwritten Text Lines in Reading Order through Estimated Binary Order Relations
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Carbonell, Manuel; Riba, Pau; Villegas, Mauricio; Fornés, Alicia; Lladós, Josep		2838	PS T4.1	Information Graphic Summarization Using a Collection of Multimodal Deep Neural Networks
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021			Live			Agarwal, Madhav; Mondal, Ajoy; Jawahar, C. V.		2659	PS T4.2	Named Entity Recognition and Relation Extraction with Graph Neural Networks in Semi Structured Documents
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021			Live					2621	PS T4.2	CDeC-Net: Composite Deformable Cascade Network for Table Detection in Document Images
DAY 1 – Jan 12, 2021 Track 5: Image Processing	OS T5.1	Oral	Live	2:00 PM	3:00 PM	Xavier Alameda-Pineda, Paolo Rota	xavier.alameda-pineda@inria.fr, paolo.rota@unitn.it			
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Bonettini, Nicolo; Cannas, Edoardo Daniele; Mandelli, Sara; Bondi, Luca; Bestagini, Paolo; Tubaro, Stefano		1385	PS T5.1	Video Face Manipulation Detection through Ensemble of CNNs
DAY 1 – Jan 12, 2021 - DAY 3 – Jan 14, 2021			Live			Zhou, Xiaoqiang; LI, Junjie; Wang, Zilei; He, Ran; Tan, Tieniu		1233	PS T5.5	Image Inpainting with Contrastive Relation Network

DAY 1 – Jan 12, 2021 - DAY 4 – Jan 15, 2021			Live			Ma, Xin; Zhou, Xiaoqiang; Huang, Huaibo; Chai, Zhenhua; Wei, Xiaolin; He, Ran		2549	PS T5.7	Free-Form Image Inpainting Via Contrastive Attention Network
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Rishav, René Schuster; Batraway, Ramy; Wasenmüller, Oliver; Stricker, Didier		48	PS T5.1	ResFPN: Residual Skip Connections in Multi-Resolution Feature Pyramid Networks for Accurate Dense Pixel Matching
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Umer, Rao Muhammad; Foresti, Gian Luca; Micheloni, Christian		645	PS T5.1	Deep Iterative Residual Convolutional Network for Single Image Super-Resolution
DAY 1 – Jan 12, 2021 - DAY 3 – Jan 14, 2021			Live			Wei, Shuo; Sun, Xin; Zhao, Haoran; Dong, Junyu		652	PS T5.5	RSAN: Residual Subtraction and Attention Network for Single Image Super-Resolution
DAY 1 – Jan 12, 2021 Challenge 1: Harvesting Raw Tables from Infographics	CH 1	Challenge	Live	2:00 PM	3:00 PM	Kenny Davila	kennydav@buffalo.edu			
DAY 1 – Jan 12, 2021			Live			Kenny Davila (University at Buffalo) et al.		CH1.1		Overview of the ICPR 2020 Competition on HARvesting Raw Tables from Infographics
DAY 1 – Jan 12, 2021			Live			Mandhatya Singh (Indian Institute of Technology Ropar) et al.		CH1.2		Chart classification using densely connected CNN
DAY 1 – Jan 12, 2021			Live			Weihong Ma (South China University of Technology) et al.		CH1.3		Axis analysis on Harvesting Raw Tables from Infographics
DAY 1 – Jan 12, 2021			Live			Hui Li (Lenovo) et al.		CH1.4		Text recognition and role classification from raw chart based on cascade object detection and graph neural network
DAY 1 – Jan 12, 2021			Live			Hesuo Zhang(South China University of Technology) et al.		CH1.5		Detection-based methods for legend analysis and raw tables harvest from infographics document
DAY 1 – Jan 12, 2021			Live			Kenny Davila (University at Buffalo) et al.		CH1.6		Award ceremony and closing
DAY 1 – Jan 12, 2021 Track 1: Clustering for Pattern Analysis	OS T1.3	Oral	Live	3:00 PM	4:00 PM	Yair Weiss, Gian Luca Foresti	yair.weiss@mail.huji.ac.il , gianluca.foresti@uniud.it			
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021			Live			Paoletti, Giancarlo; Cavazza, Jacopo; Beyan, Cigdem; Del Bue, Alessio		1649	PS T1.5	Subspace Clustering for Action Recognition with Covariance Representations and Temporal Pruning
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021			Live			Dormaika, Fadi; Khoder Ahmad		912	PS T1.6	Linear Embedding by Joint Robust Discriminant Analysis and Inter-class Sparsity
DAY 1 – Jan 12, 2021 - DAY 2 - Jan 13, 2021			Live			Alliegro, Antonio; Boscaini, Davide; Tommasi, Tatiana		1863	PS T1.6	Joint Supervised and Self-Supervised Learning for 3D Real World Challenges
DAY 1 – Jan 12, 2021 - DAY 2 - Jan 13, 2021			Live			McConville, Ryan; Santos-Rodriguez, Raul; Piechocki, Robert; Craddock, Ian		1410	PS T1.6	N2D: (Not Too) Deep Clustering Via Clustering the Local Manifold of an Autoencoded Embedding
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021			Live			He, Yicong; Atia, George		446	PS T1.7	Scalable Direction-Search-Based Approach to Subspace Clustering
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021			Live			Chen, Zexi; Dutton, Benjamin; Ramachandra, Bharathkumar; Wu, Tianfu; Vatsavai, Ranga Raju		1702	PS T1.8	Local Clustering with Mean Teacher for Semi-Supervised Learning
DAY 1 – Jan 12, 2021 Track 5: Image Processing and Segmentation	OS T5.2	Oral	Live	3:00 PM	4:00 PM	Sebastiano Battiato, Enver Sangineto	battiato@dm.unict.it , enver.sangineto@unitn.it			
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Zhang, Yifei; Sidibe, Desire; Morel, Olivier; Meriaudeau, Fabrice		2032	PS T5.2	Multiscale Attention-Based Prototypical Network for Few-Shot Semantic Segmentation
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Siarohin, Aliaksandr; Roy, Subhankar; lathuiliere, Stéphane; Tulyakov, Sergey; Ricci, Elisa; Sebe, Nicu		2668	PS T5.2	Motion-supervised Co-Part Segmentation
DAY 1 – Jan 12, 2021 - DAY 3 – Jan 14, 2021			Live			Li, Xirong; Wan, Wencui; Yang, Zhou; Zhao, Jianchun; wei, qijie; Rong, Junbo; Zhou, Pengyi; Xu, Limin; Lang, Lijuan; Liu, Yuying; Niu, Chengzhi; Ding, Dayong; Jin, Xuemin		2014	PS T5.5	Deep Multiple Instance Learning with Spatial Attention for ROP Case Classification, Instance Selection and Abnormality Localization
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			lezoray, Olivier		112	PS T5.2	Graph Signal Active Contours

DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021			Live			Deléarde, Robin; Kurtz, Camille; WENDLING, Laurent; Dejean, Philippe		1656	PS T5.2	Force Banner for the recognition of spatial relations
DAY 1 – Jan 12, 2021 - DAY 4 – Jan 15, 2021			Live			Zhang, Lipei; Liu, Aozhi; Xiao, Jing; Taylor, Paul		2579	PS T5.7	Dual Encoder Fusion U-Net (DEFU-Net) for Cross-manufacturer Chest X-Ray Segmentation
DAY 1 – Jan 12, 2021										
Track 1: AI and Deep Learning Approaches	PS T1.1	Poster	Gather Town	3:00 PM	4:00 PM	Samuel Rota Buló	samuel@mapillary.com			
DAY 1 – Jan 12, 2021						Fukunaga, Takumi; Kasai, Hiroyuki		592		Wasserstein k-Means with Sparse Simplex Projection
DAY 1 – Jan 12, 2021						Siméoni, Oriane; Budnik, Mateusz; Avrithis, Yannis; Gravier, Guillaume		497		Rethinking Deep Active Learning: Using Unlabeled Data at Model Training
DAY 1 – Jan 12, 2021						Tartaglione, Enzo; Grangetto, Marco; Cavagnino, Davide; Botta, Marco		502		Delving in the Loss Landscape to Embed Robust Watermarks into Neural Networks
DAY 1 – Jan 12, 2021						Holmgren, Kimberly; Gibby, Paul; Zipkin, Joseph		509		Seasonal Inhomogeneous Nonconsecutive Arrival Process Search and Evaluation
DAY 1 – Jan 12, 2021						Sotiropoulos, Dionisis – Odysseas; Economou, George – Peter		516		Porting a Convolutional Neural Network for Stereo Matching in Hardware
DAY 1 – Jan 12, 2021						Yang, Xiulong; Ji, Shihao		517		Learning with Multiplicative Perturbations
DAY 1 – Jan 12, 2021						Sun, Xiaoli; Wu, Shaochun; Liu, Yue		519		GCNs-Based Context-Aware Short Text Similarity Model
DAY 1 – Jan 12, 2021						Duan, Bin; Wang, Wei; Tang, Hao; Latapie, Hugo; Yan, Yan		521		Cascade Attention Guided Residue Learning GAN for Cross-Modal Translation
DAY 1 – Jan 12, 2021						Cao, Hongliu; Bernard, Simon; Sabourin, Robert; Heutte, Laurent		523		A Novel Random Forest Dissimilarity Measure for Multi-View Learning
DAY 1 – Jan 12, 2021						Zhu, Guangming; Yang, Lu; Zhang, Liang; Shen, Peiyi; Song, Juan		524		Recurrent Graph Convolutional Networks for Skeleton-Based Action Recognition
DAY 1 – Jan 12, 2021						Xie, Xiang; Stork, Wilhelm		525		Watermelon: A Novel Feature Selection Method Based on Bayes Error Rate Estimation and a New Interpretation of Feature Relevance and Redundancy
DAY 1 – Jan 12, 2021						Yang, Qing; Zhu, Xia; Fwu, Jong-Kae; Ye, Yun; You, Ganmei; Zhu, Yuan		528		MFPP: Morphological Fragmental Perturbation Pyramid for Black-Box Model Explanations
DAY 1 – Jan 12, 2021						barbano, riccardo; Zhang, Chen; Arridge, Simon; Jin, Bangti		537		Quantifying Model Uncertainty in Inverse Problems Via Bayesian Deep Gradient Descent
DAY 1 – Jan 12, 2021						Wu, Wei; Pang, Shanmin; Tian, Zhiqiang; Li, Yaochen		541		Meta Generalized Network for Few-Shot Classification
DAY 1 – Jan 12, 2021						Park, Jaewoo; Jung, Yoon Gyo; Teoh, Andrew		558		Revisiting ImprovedGAN with Metric Learning for Semi-Supervised Learning
DAY 1 – Jan 12, 2021						Guo, Dewen; Feng, Jie; Zhou, Bingfeng		561		VGG-Embedded Adaptive Layer-Normalized Crowd Counting Net with Scale-Shuffling Modules
DAY 1 – Jan 12, 2021						Zhou, Lei; Bai, Xiao; Zhang, Liang; Zhou, Jun; Hancock, Edwin		576		Fast Subspace Clustering Based on the Kronecker Product
DAY 1 – Jan 12, 2021						Barlaud, Michel; Guyard, Frederic		577		Learning Sparse Deep Neural Networks Using Efficient Structured Projections on Convex Constraints for Green AI
DAY 1 – Jan 12, 2021						Yao, Zeyi; Li, Kaiqi; Zhang, Guanhong; Luo, Yiwen; Zhou, Xiaoguang; Sun, Muyi		584		Accurate Cell Segmentation in Digital Pathology Images Via Attention Enforced Networks
DAY 1 – Jan 12, 2020						Grund Pihlgren, Gustav; Sandin, Fredrik; Liwicki, Marcus		593		Pretraining Image Encoders without Reconstruction Via Feature Prediction Loss
DAY 1 – Jan 12, 2021						Wang, Jianjia; Wu, Hui; Hancock, Edwin		598		Thermal Characterisation of Unweighted and Weighted Networks
DAY 1 – Jan 12, 2021						Dandan, Zhu; Yongqing, Chen; Xiongkuo, Min; Defang, Zhao; Yucheng, Zhu; Qiangqiang, Zhou; Xiaokang, Yang; Han, Tian		601		Saliency Prediction on Omnidirectional Images with Brain-Like Shallow Neural Network
DAY 1 – Jan 12, 2021						Wang, Zhan; Wang, Lizhi; Zhang, Lei; Huang, Hua		605		Embedding Shared Low-Rank and Feature Correlation for Multi-View Data Analysis
DAY 1 – Jan 12, 2021						Shan, Kaiyu; Wang, Yongtao; Tang, Zhi; Chen, Ying; Li, Yangyan		619		MixTConv: Mixed Temporal Convolutional Kernels for Efficient Action Recognition
DAY 1 – Jan 12, 2021						Berns, Fabian; Schmidt, Kjeld; Bracht, Ingolf; Beecks, Christian		626		3CS Algorithm for Efficient Gaussian Process Model Retrieval

DAY 1 – Jan 12, 2021						Wang, Fei; Ding, Youdong; Liang, Huan; Gao, Yuzhen; Che, Wenqi		632		A Unified Framework for Distance-Aware Domain Adaptation
DAY 1 – Jan 12, 2021						Tran, Hai H.; Ahn, Sumyeong; Lee, Taeyoung; Yi, Yung		635		Enlarging Discriminative Power by Adding an Extra Class in Unsupervised Domain Adaptation
DAY 1 – Jan 12, 2021						Sun, Yiwen; Fu, Kun; Wang, Zheng; Zhang, Changshui; Ye, Jieping		636		Road Network Metric Learning for Estimated Time of Arrival
DAY 1 – Jan 12, 2021						Wang, Junjie; Wang, Xiangfeng; Jin, Bo; Yan, Junchi; Zhang, Wenjie; Zha, Hongyuan		647		Heterogeneous Graph-Based Knowledge Transfer for Generalized Zero-Shot Learning
DAY 1 – Jan 12, 2021						Davis, James W.; Liang, Tong; Enouen, James; Ilin, Roman		649		Hierarchical Classification with Confidence Using Generalized Logits
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Asad, Muhammad; Basaru, Rilwan; Al Arif, S M Masudur Rahman; Slabaugh, Greg		120	OS T1.1	PROPEL: Probabilistic Parametric Regression Loss for Convolutional Neural Networks
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Bechtle, Sarah; Molchanov, Artem; Chebotar, Yevgen; Grefenstette, Edward Thomas; Righetti, Ludovic; Sukhatme, Gaurav; Meier, Franziska		1163	OS T1.1	Meta Learning Via Learned Loss
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Jang, Hyeryung; Skatchkovsky, Nicolas; Simeone, Osvaldo		1274	OS T1.1	VOWEL: A Local Online Learning Rule for Recurrent Networks of Probabilistic Spiking Winner-Take-All Circuits
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Gangopadhyay, Anirban		868	OS T1.2	An Empirical Bayes Approach to Topic Modeling
DAY 1 – Jan 12, 2021										
Track 1: Machine Learning and Deep Learning										
	PS T1.2	Poster	Gather Town	3:00 PM	4:00 PM	Federico Becattini	federico.becattini@unifi.it			
DAY 1 – Jan 12, 2021						Fuhl, Wolfgang; Rong, Yao; Motz, Thomas; Scheidt, Michael; Hartel, Andreas Markus; Koch, Andreas; Kasneci, Enkelejda		985		Explainable Online Validation of Machine Learning Models for Practical Applications
DAY 1 – Jan 12, 2021						Finnveden, Lukas; Jansson, Ylva; Lindeberg, Tony		1013		Understanding When Spatial Transformer Networks Do Not Support Invariance, and What to Do about It
DAY 1 – Jan 12, 2021						Bicego, Manuele; Escolano, Francisco		1018		On Learning Random Forests for Random Forest Clustering
DAY 1 – Jan 12, 2021						Bailer, Werner; Winter, Martin; Ebert, Johannes; Flavio, Joel; Plimon, Karin		1019		Expectation-Maximization for Scheduling Problems in Satellite Communication
DAY 1 – Jan 12, 2021						Zhang, Yifei; SIDIBE, DESIRE; Morel, Olivier; Meriaudeau, Fabrice		1040		Incorporating Depth Information into Few-Shot Semantic Segmentation
DAY 1 – Jan 12, 2021						Goyal, Gaurvi; Noceti, Nicoletta; Odone, Francesca		1061		Single View Learning in Action Recognition
DAY 1 – Jan 12, 2021						Botteghi, Nicolò; Obbink, Ruben; Geijs, Daan; Poel, Mannes; Sirmacek, Beril; Brune, Christoph; Mersha, Abeje; Stramigioli, Stefano		1067		Low Dimensional State Representation Learning with Reward-Shaped Priors
DAY 1 – Jan 12, 2021						Zullich, Marco; Medvet, Eric; Pellegrino, Felice Andrea; Ansuini, Alessio		1093		Speeding-Up Pruning for Artificial Neural Networks: Introducing Accelerated Iterative Magnitude Pruning
DAY 1 – Jan 12, 2021						Sabir, Russell; Rosato, Daniele; Hartmann, Sven; Gühmann, Clemens		1107		Signal Generation Using 1d Deep Convolutional Generative Adversarial Networks for Fault Diagnosis of Electrical Machines
DAY 1 – Jan 12, 2021						Schillaci, Andrea; Quadrio, Maurizio; Pipolo, Carlotta; Restelli, Marcello; Boracchi, Giacomo		1149		Inferring Functional Properties from Fluid Dynamics Features
DAY 1 – Jan 12, 2021						Gao, Lei; Guo, Zheng; Ling Guan, Ling Guan		2086		A Distinct Discriminant Canonical Correlation Analysis Network Based Deep Information Quality Representation for Image Classification
DAY 1 – Jan 12, 2021						Agarwal, Arvind; Mujumdar, Shashank; Gupta, Nitin; Mehta, Sameep		2121		Budgeted Batch Mode Active Learning with Generalized Cost and Utility Functions

DAY 1 – Jan 12, 2021						Mameli, Marco; Paolanti, Marina; Conci, Nicola; Tessaro, Filippo; Frontoni, Emanuele; Zingaretti, Primo		2125		Weight Estimation from an RGB-D Camera in Top-View Configuration
DAY 1 – Jan 12, 2021						Simonetto, Adriano; Parret, Vincent; Gatto, Alexander; Sartor, Piergiorgio; Zanuttigh, Pietro		2134		Semi-supervised Deep Learning Techniques for Spectrum Reconstruction
DAY 1 – Jan 12, 2021						Morsing, Hedegaard, Lukas; Sheikh-Omar, Omar Ali; Iosifidis, Alexandros		2156		Supervised Domain Adaptation Using Graph Embedding
DAY 1 – Jan 12, 2021						Richardson, Eitan; Weiss, Yair		2158		The Surprising Effectiveness of Linear Unsupervised Image-to-Image Translation
DAY 1 – Jan 12, 2021						Ben Slimane, Fares; Bouguessa, Mohamed		2164		Context Matters: Self-Attention for Sign Language Recognition
DAY 1 – Jan 12, 2021						Zhao, Wenbo; Gao, Yang; Memon, Shahan Ali; Raj, Bhiksha; Singh, Rita		2167		Hierarchical Routing Mixture of Experts
DAY 1 – Jan 12, 2021						Sadegharmaki, Shabnam; Kastner, Marc A.; Satoh, Shin'ichi		2176		FashionGraph: Understanding Fashion Data Using Scene Graph Generation
DAY 1 – Jan 12, 2021						Damas, Sergio; Valsecchi, Andrea		2192		Stochastic 3D rock reconstruction using GANs
DAY 1 – Jan 12, 2021						Okhrati, Ramin; Lipani, Aldo		2198		A Multilinear Sampling Algorithm to Estimate Shapley Values
DAY 1 – Jan 12, 2021						Mensi, Antonella; Bicego, Manuele; Tax, David		2209		Proximity Isolation Forests
DAY 1 – Jan 12, 2021						Vasconcelos, Levi; Mancini, Massimiliano; Boscaini, Davide; Rota Buló, Samuel; Caputo, Barbara; Ricci, Elisa		2212		Shape Consistent 2D Keypoint Estimation under Domain Shift
DAY 1 – Jan 12, 2021						Schneider, Johannes		2225		Locality-Promoting Representation Learning
DAY 1 – Jan 12, 2021						Leveni, Filippo; Magri, Luca; Boracchi, Giacomo; Alippi, Cesare		2227		PIF: Anomaly detection via preference embedding
DAY 1 – Jan 12, 2021						Aggarwal, Manasvi; Murty, M. Narasimha		2233		Region and Relations Based Multi Attention Network for Graph Classification
DAY 1 – Jan 12, 2021						Zhou, Shibo; Li, Xiaohua		2242		Spiking Neural Networks with Single-Spike Temporal-Coded Neurons for Network Intrusion Detection
DAY 1 – Jan 12, 2021						Lu, Ya; Stathopoulou, Thomai; Mougiakakou, Stavroula		2243		Partially Supervised Multi-Task Network for Single-View Dietary Assessment
DAY 1 – Jan 12, 2021						Hu, Yuqing; Gripon, Vincent; Pateux, Stéphane		2247		Graph-Based Interpolation of Feature Vectors for Accurate Few-Shot Classification
DAY 1 – Jan 12, 2021						Alberti, Michele; Botros, Angela; Narayan, Schuetz; Ingold, Rolf; Liwicki, Marcus; Seuret, Mathias		2256		Trainable Spectrally Initializable Matrix Transformations in Convolutional Neural Networks
DAY 1 – Jan 12, 2021 - DAY 1 - Jan 12, 2021						Tan, Yi Xiang Marcus; Elovici, Yuval; Binder, Alexander		2085	OS T1.1	Adaptive Noise Injection for Training Stochastic Student Networks from Deterministic Teachers
DAY 1 – Jan 12, 2021- DAY 1 – Jan 12, 2021						Forouzes, Mahsa; Salehi, Farnood; Thiran, Patrick		2047	OS T1.1	Generalization Comparison of Deep Neural Networks Via Output Sensitivity
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Mikhailiuk, Aliaksei; Wilmot, Clifford; Perez-Ortiz, Maria; Yue, Dingcheng; Mantiuk, Rafal		807	OS T1.2	Active Sampling for Pairwise Comparisons via Approximate Message Passing and Information Gain Maximization
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Ortego, Diego; Arazo, Eric; Albert, Paul; O'Connor, Noel E; McGuinness, Kevin		1948	OS T1.2	Towards Robust Learning with Different Label Noise Distributions
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Patel, Kanil; Beluch, William; Zhang, Dan; Pfeiffer, Michael; Yang, Bin		2211	OS T1.2	On-Manifold Adversarial Data Augmentation Improves Uncertainty Calibration
DAY 2 – Jan 13, 2021 - DAY 1 - Jan 12, 2021						Piao, Xinglin; Hu, Yongli; Gao, Junbin; Sun, Yanfeng; Yang, Xin; Yin, Baocai		2596	OS T1.4	A Spectral Clustering on Grassmann Manifold via Double Low Rank Constraint
DAY 1 – Jan 12, 2021										
Track 3: Computer Vision and Applications	PS T3.1	Poster	Gather Town	3:00 PM	4:00 PM	Sebastiano Vascon	sebastiano.vascon@unive.it			
DAY 1 – Jan 12, 2021						Ho, Kalun; Keuper, Janis; Pfreundt, Franz-Josef; Keuper, Margret		23		Learning Embeddings for Image Clustering: An Empirical Study of Triplet Loss Approaches
DAY 1 – Jan 12, 2021						Ahrnbom, Martin; Nilsson, Mikael; Ardö, Håkan; Åström, Kalle; Yastremska-Kravchenko, Oksana; Laureshyn, Aliaksei		26		Calibration and Absolute Pose Estimation of Trinocular Linear Camera Array for Smart City Applications

DAY 1 – Jan 12, 2021					Poggi, Matteo; Tosi, Fabio; Aleotti, Filippo; Mattoccia, Stefano	74	Leveraging a Weakly Adversarial Paradigm for Joint Learning of Disparity and Confidence Estimation
DAY 1 – Jan 12, 2021					Bacharidis, Konstantinos; Argyros, Antonis	88	Extracting Action Hierarchies from Action Labels and their Use in Deep Action Recognition
DAY 1 – Jan 12, 2021					Khan, Salman; Salvaggio, Carl	119	Automatically Gather Address Specific Dwelling Images Using Google Street View
DAY 1 – Jan 12, 2021					Bozinis, Theodoros; Passalis, Nikolaos; Tefas, Anastasios	418	Improving Visual Question Answering Using Active Perception on Static Images
DAY 1 – Jan 12, 2021					Mourot, Lucas; Le Clerc, Francois; Thébault, Cédric; Hellier, Pierre	468	JUMPS: Joints Upsampling Method for Pose Sequences
DAY 1 – Jan 12, 2021					Zhou, Liguu; Chen, Guang; Feng, Mingyue; Knoll, Alois	666	Improving Low-Resolution Image Classification by Super-Resolution with Enhancing High-Frequency Content
DAY 1 – Jan 12, 2021					Bosquet, Brais; Mucientes, Manuel; Brea, Victor	668	Correlation-Based ConvNet for Small Object Detection in Videos
DAY 1 – Jan 12, 2021					Kilickaya, Kilickaya; Hussein, Noureldien; Gavves, Efstratios; Smeulders, Arnold	741	Self-Selective Context for Interaction Recognition
DAY 1 – Jan 12, 2021					Henry, Corentin; Fraundorfer, Friedrich; Vig, Eleonora	751	Aerial Road Segmentation in the Presence of Topological Label Noise
DAY 1 – Jan 12, 2021					Batzou, Elissavet; Alvanitopoulos, Petros; Ioannidis, Konstantinos; Patras, Ioannis; Vrochidis, Stefanos; Kompatsiaris, Ioannis	758	Cycle-Consistent Adversarial Networks and Fast Adaptive Bi-Dimensional Empirical Mode Decomposition for Style Transfer
DAY 1 – Jan 12, 2021					Aghaei, Maya; Bustreo, Matteo; Morerio, Pietro; Carissimi, Nicolò; Del Bue, Alessio; Murino, Vittorio	778	Complex-Object Visual Inspection: Empirical Studies on a Multiple Lighting Solution
DAY 1 – Jan 12, 2021					Kraus, Maximilian; Azimi, Seyed Majid; Ercelik, Emec; Bahmanyar, Reza; Reinartz, Peter; Knoll, Alois	785	AerialMPTNet: Multi-Pedestrian Tracking in Aerial Imagery Using Temporal and Graphical Features
DAY 1 – Jan 12, 2021					Godet, Pierre; Boulch, Alexandre; Plyer, Aurélien; Le Besnerais, Guy	786	STaRFlow: A SpatioTemporal Recurrent Cell for Lightweight Multi-Frame Optical Flow Estimation
DAY 1 – Jan 12, 2021					Hirner, Dominik; Fraundorfer, Friedrich	790	FC-DCNN: A Densely Connected Neural Network for Stereo Estimation
DAY 1 – Jan 12, 2021					Xu, Tianyang; Feng, Zhen-Hua; Wu, Xiaojun; Kittler, Josef	797	Adaptive Context-Aware Discriminative Correlation Filters for Robust Visual Object Tracking
DAY 1 – Jan 12, 2021					Zernetsch, Stefan; Schreck, Steven; Kress, Viktor; Doll, Konrad; Sick, Bernhard	820	Image Sequence Based Cyclist Action Recognition Using Multi-Stream 3D Convolution
DAY 1 – Jan 12, 2021					Artizzu, Charles-Olivier; Zhang, Haozhou; Allibert, Guillaume; Demonceaux, Cédric	833	OmniFlowNet: A Perspective Neural Network Adaptation for Optical Flow Estimation in Omnidirectional Images
DAY 1 – Jan 12, 2021					Gavves, Efstratios; Tao, Ran; Gupta, Deepak; Smeulders, Arnold	839	Model Decay in Long-Term Tracking
DAY 1 – Jan 12, 2021					Lifchitz, Yann; Avrithis, Yannis; Picard, Sylvaine	841	Few-Shot Few-Shot Learning and the Role of Spatial Attention
DAY 1 – Jan 12, 2021					Castellano, Giovanna; Vessio, Gennaro	845	Deep Convolutional Embedding for Digitized Painting Clustering
DAY 1 – Jan 12, 2021					Jolly, Shailza; Palacio, Sebastian; Folz, Joachim; Raue, Federico; Hees, Jörn; Dengel, Andreas	852	$P \approx NP$, at Least in Visual Question Answering
DAY 1 – Jan 12, 2021					Elmi, Alessio; Mazzini, Davide; Tortella, Pietro	853	Light3DPose: Real-Time Multi-Person 3D Pose Estimation from Multiple Views
DAY 1 – Jan 12, 2021					Xie, Youye; Tang, Yingheng; Tang, Gongguo; Hoff, William	859	Learning to Find Good Correspondences of Multiple Objects
DAY 1 – Jan 12, 2021					Arrigoni, Federica; Magri, Luca; Pajdla, Tomas	893	Motion Segmentation with Pairwise Matches and Unknown Number of Motions
DAY 1 – Jan 12, 2021					Lourakis, Manolis; Terzakis, George	939	A Globally Optimal Method for the PnP Problem with MRP Rotation Parameterization
DAY 1 – Jan 12, 2021					Maurice, Camille; Madrigal, Francisco; Lerasle, Frederic	984	Late Fusion of Bayesian and Convolutional Models for Action Recognition

DAY 1 – Jan 12, 2021						Comporese, Guglielmo; Coscia, Pasquale; Furnari, Antonino; Farinella, Giovanni Maria; Ballan, Lamberto		986		Knowledge Distillation for Action Anticipation Via Label Smoothing
DAY 1 – Jan 12, 2021						Zhang, Chenyang; Tian, Zhiqiang; Song, Jingyi; zheng, yaoyue; Xu, Bo		2351		Construction Worker Hardhat-Wearing Detection Based on an Improved BiFPN
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Gasparini, Riccardo; D'Eusanio, Andrea; Borghi, Guido; Pini, Stefano; Scaglione, Giuseppe; Calderara, Simone; Fedeli, Eugenio; Cucchiara, Rita		1010	OS T3.1	Anomaly Detection, Localization and Classification for Railway Inspection
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Malon, Thierry; Chambon, Sylvie; Crouzil, Alain; Charvillat, Vincent		1474	OS T3.1	Story Comparison for Estimating Field of View Overlap in a Video Collection
DAY 1 – Jan 13, 2021										
Demo 1: Medical Imaging and Industrial Vision Systems	DEMO 1	Demo	Gather Town	3:00 PM	4:00 PM	Matteo Stefanini, Federico Becattini	matteo.stefanini@unimore.it, federico.becattini@unifi.it			
DAY 1 – Jan 12, 2021						Marco Aldinucci, Barbara Cantalupo, Iacopo Colonnelli, Marco Grangetto, Riccardo Renzulli, Enzo Tartaglione		D1.1		Lung nodules segmentation in CT scans by DeepHealth toolkit
DAY 1 – Jan 12, 2021						Honglin Li, Payam Barnaghi, Severin Skillman, David Sharp, Ramin Nilforooshan, Helen Rostill		D1.2		Machine learning for risk analysis of Urinary Tract Infection in people with dementia
DAY 1 – Jan 12, 2021						Ouday Hanosh, Rashid Ansari, Yusuf Ozturk, A. Enis Cetin		D1.3		Respiratory rate estimation using a low-resolution infrared sensor array
DAY 1 – Jan 12, 2021						Jayeeta Chakraborty, Anup Nandy		D1.4		VizGaitAssist: A Visualization-based Assistive Tool for Clinical Human Gait Analysis
DAY 1 – Jan 12, 2021						Andrew C. Freeman, Ketan Mayer-Patel, Montek Singh		D1.5		Direct Motion Segmentation from Emulated Asynchronous Camera Events
DAY 1 – Jan 12, 2021						Matthias Ludwig, Bernhard Lippmann, Ann-Christin Bette ,Claus Lenz		D1.6		A Fully Automated Process for Semiconductor Technology Analysis through SEM Cross-Sections
DAY 1 – Jan 12, 2021						Nan Liu, Chuan Wang, Xinyu Miao, Hua Bai, Yunan Wang, Limin Yang, Yiming Lei, Wei Zhang, Hong Wang		D1.7		BOE Digital Human: Visualize Your Life Data
DAY 1 – Jan 12, 2021										
Challenge 2: Pollen Grain Classification	CH 2	Challenge	Live	3:00 PM	4:00 PM	Alessandro Ortis	ortis@dmi.unict.it			
DAY 1 – Jan 12, 2021			Live			Alessandro Ortis et al.		C2.1		Introduction to the Pollen Grain Classification Challenge
DAY 1 – Jan 12, 2021			Live			Chao Fang et al.		C2.2		The Fusion of Neural Architecture Search and Destruction and Construction Learning
DAY 1 – Jan 12, 2021			Live			Penghui Gui et al.		C2.3		Improved Data Augmentation of DCNN for Pollen Grains Classification
DAY 1 – Jan 12, 2021			Live			Alessandro Ortis et al.		C2.4		Final live discussion
DAY 1 – Jan 12, 2021	BR 2	Interlude		3:30 PM	4:00 PM					Visiting Milan
DAY 1 – Jan 12, 2021										
	KE 2	J.K. Aggarwal Award Keynote	Main Stage	4:00 PM	5:00 PM	Walter Kropatsch	krw@prip.tuwien.ac.at			
						Abhinav Gupta				Towards Self-supervised Curious Robots
DAY 1 – Jan 12, 2021	BR 3	Interlude		5:00 PM	5:30 PM					Visiting Milan
DAY 1 – Jan 12, 2021										
Panel 1: BIRPA Award and Panel Industry and Academy	PA 1	Panel	Main Stage	5:00 PM	6:00 PM	Bob Fisher	rbf@inf.ed.ac.uk			
						Muhammad Asad	masadv@gmail.com			
						Axel Berg	axel.berg@arm.com			
						Amir Raffiee	amir.raffiee@salesforce.com			
						Kanil Patel	Kanil.Patel@de.bosch.com			

DAY 1 – Jan 12, 2021										
Track 2: Biometrics and Human Analysis										
PS T2.1	Poster	Gather Town	5:00 PM	6:00 PM	Lorenzo Baraldi	lorenzo.baraldi@unimore.it				
DAY 1 – Jan 12, 2021					Yang, Zhengyuan; Kay, Amanda; Li, Yuncheng; Cross, Wendi; Luo, Jiebo		79			Pose-Based Body Language Recognition for Emotion and Psychiatric Symptom Interpretation
DAY 1 – Jan 12, 2021					O’Gorman, Lawrence; Liu, Xinyi; Sarker, Md Imran; Milanova, Mariofanna		121			Video Analytics Gait Trend Measurement for Fall Prevention and Health Monitoring
DAY 1 – Jan 12, 2021					Zhu, Yanjun; Zhang, Yanxia; Liu, Qiong; Girgensohn, Andreas		390			What and How? Jointly Forecasting Human Action and Pose
DAY 1 – Jan 12, 2021					Rathgeb, Christian; Drozdowski, Pawel; Busch, Christoph		1016			Detection of Makeup Presentation Attacks Based on Deep Face Representations
DAY 1 – Jan 12, 2021					Peña Almansa, Alejandro; Fierrez, Julian; Lapedriza, Agata; Morales, Aythami		1038			Learning Emotional Blinded Face Representations
DAY 1 – Jan 12, 2021					Serna, Ignacio; Peña Almansa, Alejandro; Morales, Aythami; Fierrez, Julian		1065			InsideBias: Measuring Bias in Deep Networks and Application to Face Gender Biometrics
DAY 1 – Jan 12, 2021					Uddin, Md Taufeeq; Canavan, Shaun		1117			Quantified Facial Temporal-Expressiveness Dynamics for Affect Analysis
DAY 1 – Jan 12, 2021					Truong, Thomas; Yanushkevich, Svetlana		1143			Relatable Clothing: Detecting Visual Relationships between People and Clothing
DAY 1 – Jan 12, 2021					Chen, Shunnan; Wang, Sen; Zuo, Xinxin; Yang, Ruiqiang		1165			Angus Cattle Recognition Using Deep Learning
DAY 1 – Jan 12, 2021					Hsu, Po-Ya; Hsu, Po-Han; Liu, Hsin-Li		1240			Exploring Seismocardiogram Biometrics with Wavelet Transform
DAY 1 – Jan 12, 2021					Li, Zhihua; Zhang, Zheng; Yin, Lijun		1392			SAT-Net: Self-Attention and Temporal Fusion for Facial Action Unit Detection
DAY 1 – Jan 12, 2021					Rakesh Kumar, Ankith Jain; Bhanu, Bir; Casey, Christopher; Cheung, Sierra; Seitz, Aaron		1441			Depth Videos for the Classification of Micro-Expressions
DAY 1 – Jan 12, 2021					Martínez-Díaz, Yoanna; Mendez-Vázquez, Heydi; Luevano, Luis S.; Chang, Leonardo; Gonzalez-Mendoza, Miguel		1478			Lightweight Low-Resolution Face Recognition for Surveillance Applications
DAY 1 – Jan 12, 2021					Banerjee, Sudipta; Ross, Arun		1640			One-Shot Representational Learning for Joint Biometric and Device Authentication
DAY 1 – Jan 12, 2021					Vahdani, Elahe; Jing, Longlong; Tian, Ying-li; Huenerfauth, Matt		1652			Recognizing American Sign Language Nonmanual Signal Grammar Errors in Continuous Videos
DAY 1 – Jan 12, 2021					Kamzin, Azamat; Amperyani, Apurupa; Sukhapalli, Prasanth; Banerjee, Ayan; Gupta, Sandeep		1676			Concept Embedding through Canonical Forms: A Case Study on Zero-Shot ASL Recognition
DAY 1 – Jan 12, 2021					Sharma, Renu; Ross, Arun		1677			Viability of Optical Coherence Tomography for Iris Presentation Attack Detection
DAY 1 – Jan 12, 2021					Gund, Manasi Bharati; Bharadwaj, Abhiram Ravi; Nwogu, Ifeoma		1741			Interpretable Emotion Classification Using Temporal Convolutional Models
DAY 1 – Jan 12, 2021					Sepas-Moghaddam, Alireza; Ghorbani, Saeed; Troje, Nikolaus F.; Etemad, Ali		2214			Gait Recognition Using Multi-Scale Partial Representation Transformation with Capsules
DAY 1 – Jan 12, 2021					Ferdous, Syeda Nyma; Dabouei, Ali; Dawson, Jeremy; nasrabadi, nasser M.		2228			Super-Resolution Guided Pore Detection for Fingerprint Recognition
DAY 1 – Jan 12, 2021					Liu, Hong Yue Sean; Chung, Jonathan; Eizenman, Moshe		2344			A General End-To-End Method for Characterizing Neuropsychiatric Disorders Using Free-Viewing Visual Scanning Tasks
DAY 1 – Jan 12, 2021					Wyzykowski, Andre; Pamplona Segundo, Mauricio; Lemes, Rubisley		2551			Level Three Synthetic Fingerprint Generation
DAY 1 – Jan 12, 2021					Ali, Kamran; Hughes, Charles		2612			Facial Expression Recognition by Using a Disentangled Identity-Invariant Expression Representation
DAY 1 – Jan 12, 2021					Yadav, Daksha; Kohli, Naman; Vatsa, Mayank; Singh, Richa; Noore, Afzel		2802			Age Gap Reducer-GAN for Recognizing Age-Separated Faces
DAY 1 – Jan 12, 2021					uppal, hardik; Sepas-Moghaddam, Alireza; Greenspan, Michael; Etemad, Ali		2808			Two-Level Attention-Based Fusion Learning for RGB-D Face Recognition

DAY 1 – Jan 12, 2021						Lamghari, Soufiane; Bilodeau, Guillaume-Alexandre; Saunier, Nicolas		2932		A Grid-based Representation for Human Action Recognition
DAY 1 – Jan 12, 2021						Swearingen, Thomas; Ross, Arun		2934		Lookalike Disambiguation: Improving Face Identification Performance at Top Ranks
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Pacheco, Carolina; Mavroudi, Effrosyni; Kokkoni, Elena; Tanner, Herbert; Vidal, Rene		1669	OS T2.1	A Detection-based Approach to Multiview Action Classification in Infants
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Nguyen, Xuan Son; Brun, Luc; Lezoray, Olivier; Bougleux, Sébastien		443	OS T2.1	Learning Recurrent High-Order Statistics for Skeleton-Based Hand Gesture Recognition
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Voillemin, Théo; Wannous, Hazem; Vandeborre, Jean-Philippe		1028	OS T2.1	2D Deep Video Capsule Network with Temporal Shift for Action Recognition
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Guy, Sylvain; lathuiliere, Stéphane; Mesejo, Pablo; Horaud, Radu		1331	OS T2.1	Learning Visual Voice Activity Detection with an Automatically Annotated Dataset
DAY 1 – Jan 12, 2021 – DAY 1 – Jan 12, 2021						Delorme, Guillaume; Xu, Yihong; Lathuiliere, Stéphane; Horaud, Radu; Alameda-Pineda, Xavier		1235	OS T2.1	CANU-ReID: A Conditional Adversarial Network for Unsupervised Person Re-Identification
DAY 1 – Jan 12, 2021										
Track 3: Computer Vision and GANs	PS T3.2	Poster	Gather Town	5:00 PM	6:00 PM	Federico Pernici	federico.pernici@unifi.it			
DAY 1 – Jan 12, 2021						Eum, Sungmin; Kwon, Heesung		536		Semantics to Space(S2S): Embedding semantics into spatial space for zero-shot verb-object query inferencing
DAY 1 – Jan 12, 2021						Li, Runze; Bhanu, Bir		568		The Role of Cycle Consistency for Generating Better Human Action Videos from a Single Frame
DAY 1 – Jan 12, 2021						Matsubara, Yoshitomo; Levorato, Marco		740		Neural Compression and Filtering for Edge-assisted Real-time Object Detection in Challenged Networks
DAY 1 – Jan 12, 2021						Hansen, Patrick; Vilkin, Alexey; Khrustalev, Yury; Imber, James Stuart; Talagala, Dumidu Sanjaya; Hanwell, David; Mattina, Matthew; Whatmough, Paul		779		ISP4ML: The Role of Image Signal Processing in Efficient Deep Learning Vision Systems
DAY 1 – Jan 12, 2021						Liu, Dongfang; Cui, Yiming; Guo, Xiaolei; Ding, Wei; Yang, Baijian; Chen, Yingjie		962		Visual Localization for Autonomous Driving: Mapping the Accurate Location in the City Maze
DAY 1 – Jan 12, 2021						Nguyen, Khoi; Todorovic, Sinisa		970		A Self-Supervised GAN for Unsupervised Few-Shot Object Recognition
DAY 1 – Jan 12, 2021						Hung, Shih-Kai; Gan, John Q.		996		Augmentation of Small Training Data Using GANs for Enhancing the Performance of Image Classification
DAY 1 – Jan 12, 2021						Sharifzadeh, Sahand; Moayed Baharlou, Sina; Berrendorf, Max; Koner, Rajat; Tresp, Volker		1043		Improving Visual Relation Detection Using Depth Maps
DAY 1 – Jan 12, 2021						Beaupre, David-Alexandre; Bilodeau, Guillaume-Alexandre		1058		Domain Siamese CNNs for Sparse Multispectral Disparity Estimation
DAY 1 – Jan 12, 2021						Raffiee, Amir Hossein; Sollami, Michael		1110		GarmentGAN: Photo-Realistic Adversarial Fashion Transfer
DAY 1 – Jan 12, 2021						Zhang, Ning; Liu, Jingen; Wang, Ke; Zeng, Dan; Mei, Tao		1155		Robust Visual Object Tracking with Two-Stream Residual Convolutional Networks
DAY 1 – Jan 12, 2021						Nakada, Masaki; Chen, Honglin; Lakshminpathy, Arjun; Terzopoulos, Demetri		1244		Biomimetic Active Vision in a Simulated Human
DAY 1 – Jan 12, 2021						Masihullah, Shaik; Garg, Ritu; Mukherjee, Prerana; Ray, Anupama		1591		Attention Based Coupled Framework for Road and Pothole Segmentation
DAY 1 – Jan 12, 2021						Cruz, Ricardo; Prates, Ricardo M.; Simas Filho, Eduardo F.; Pinto Costa, Joaquim F.; Cardoso, Jaime S.		1605		Background Invariance by Adversarial Learning
DAY 1 – Jan 12, 2021						Yu, Zifan; You, Suya		1616		Object Detection on Monocular Images with Two-Dimensional Canonical Correlation Analysis
DAY 1 – Jan 12, 2021						Vignolo, Alessia; Noceti, Nicoletta; Sciutti, Alessandra; Odone, Francesca; Sandini, Giulio		1636		Learning Dictionaries of Kinematic Primitives for Action Classification
DAY 1 – Jan 12, 2021						Kostadinov, Dimche; Scaramuzza, Davide		1639		Unsupervised Feature Learning for Event Data: Direct vs Inverse Problem Formulation

DAY 1 – Jan 12, 2021						Suveges, Tamas; McKenna, Stephen James		1643	Cam-Softmax for Discriminative Deep Feature Learning
DAY 1 – Jan 12, 2021						Mvoulana, Amed; Kachouri, Rostom; Akil, Mohamed		1670	Fine-tuning Convolutional Neural Networks: a comprehensive guide and benchmark analysis for Glaucoma Screening
DAY 1 – Jan 12, 2021						Ani, Mohammad; Basevi, Hector; Leonardis, Ales		1671	Quantifying the Use of Domain Randomization
DAY 1 – Jan 12, 2021						Tabelini, Lucas; Berriel, Rodrigo; Paixão, Thiago; Badue, Claudine; De Souza, Alberto F.; Oliveira-Santos, Thiago		1675	PolyLaneNet: Lane Estimation Via Deep Polynomial Regression
DAY 1 – Jan 12, 2021						Noh, Donghun; Nam, Hyunwoo; Ahn, Min Sung; Chae, Hosik; Lee, Sangjoon; Gillespie, Kyle; Hong, Dennis		1710	Surface Material Dataset for Robotics Applications (SMDRA): A Dataset with Friction Coefficient and RGB-D for Surface Segmentation
DAY 1 – Jan 12, 2021						Gillsjö, David; Åström, Kalle		1728	In Depth Semantic Scene Completion
DAY 1 – Jan 12, 2021						Wang, Wei; Zhou, Shibo; Li, Jingxi; Li, Xiaohua; Yuan, Junsong; Jin, Zhanpeng		1738	Temporal Pulses Driven Spiking Neural Network for Time and Power Efficient Object Recognition in Autonomous Driving
DAY 1 – Jan 12, 2021						Yang, Huichen; Hsu, William		1765	Vision-Based Layout Detection from Scientific Literature Using Recurrent Convolutional Neural Networks
DAY 1 – Jan 12, 2021						Wu, Shan; Hadachi, Amnir; Vivet, Damien; Prabhakar, Yadu		1838	NetCalib: A Novel Approach for LiDAR-Camera Auto-Calibration Based on Deep Learning
DAY 1 – Jan 12, 2021						Fonaryov, Mark; Lindenbaum, Michael		1867	On the Minimal Recognizable Image Patch
DAY 1 – Jan 12, 2021						Giraldo Zuluaga, Jhony Heriberto; Bouwmans, Thierry		1905	GraphBGS: Background Subtraction Via Recovery of Graph Signals
DAY 1 – Jan 12, 2021						Cheng, Guo; Zheng, Jiang Yu		1914	Semantic Segmentation for Pedestrian Detection from Motion in Temporal Domain
DAY 1 – Jan 12, 2021						Qammaz, Ammar; Argyros, Antonis		1920	Occlusion-Tolerant and Personalized 3D Human Pose Estimation in RGB Images
DAY 1 – Jan 12, 2021									
Track 3: Computer Vision 2D, 3D and Tracking	PS T3.3	Poster	Gather Town	5:00 PM	6:00 PM	Matteo Bruni	matteo.bruni@unifi.it		
DAY 1 – Jan 12, 2021						Cardoso, L. João; Goncalves, Nuno; Wimmer, Michael		92	Cost Volume Refinement for Depth Prediction
DAY 1 – Jan 12, 2021						Dourado, Aloisio; de Campos, Teofilo; Kim, Hansung; Hilton, Adrian		124	EdgeNet: Semantic Scene Completion from a Single RGB-D Image
DAY 1 – Jan 12, 2021						Liu, Chengxin; Cao, Zhiguo; Li, Wei; Xiao, Yang; Du, Shuaiyuan; Zhu, Angfan		345	Exploiting Distilled Learning for Deep Siamese Tracking
DAY 1 – Jan 12, 2021						Vaudaux-Ruth, Guillaume; Chan-Hon-Tong, Adrien; Achard, Catherine		359	ActionSpotter: Deep Reinforcement Learning Framework for Temporal Action Spotting in Videos
DAY 1 – Jan 12, 2021						Vaquero, Lorenzo; Mucientes, Manuel; Brea, Victor		376	SiamMT: Real-Time Arbitrary Multi-Object Tracking
DAY 1 – Jan 12, 2021						Hou, Yuxin; Janjua, Muhammad Kamran; Kannala, Juho; Solin, Arno		1051	Movement-Induced Priors for Deep Stereo
DAY 1 – Jan 12, 2021						Jebali, Hela; Richard, Noel; Naouai, Mohamed		1062	Local Binary Quaternion Rotation Pattern for Colour Texture Retrieval
DAY 1 – Jan 12, 2021						Thoker, Fida Mohammad; Snoek, Cees		1072	Feature-Supervised Action Modality Transfer
DAY 1 – Jan 12, 2021						Hegde, Guruprasad; Ramesh, Avinash Nittur; Gandikota, Kanchana Vaishnavi; Möller, Michael; Obermaisser, Roman		1118	A Simple Domain Shifting Network for Generating Low Quality Images
DAY 1 – Jan 12, 2021						Orfanidis, Georgios; Ioannidis, Konstantinos; Vrochidis, Stefanos; Tefas, Anastasios; Kompatsiaris, Ioannis		1121	A Modified Single-Shot Multibox Detector for Beyond Real-Time Object Detection
DAY 1 – Jan 12, 2021						Terreran, Matteo; Bonetto, Elia; Ghidoni, Stefano		1280	Enhancing Deep Semantic Segmentation of RGB-D data with Entangled Forest
DAY 1 – Jan 12, 2021						Wang, Ya; Zell, Andreas		1286	Yolo+FPN: 2D and 3D Fused Object Detection with an RGB-D Camera

DAY 1 – Jan 12, 2021						Rotondo, Tiziana; Farinella, Giovanni Maria; Giacalone, Davide; Strano, Sebastiano Mauro; Tomaselli, Valeria; Battiato, Sebastiano		1290	Anticipating Activity from Multimodal Signals
DAY 1 – Jan 12, 2021						Wu, Sidi; Liebel, Lukas; Körner, Marco		1295	Derivation of Geometrically and Semantically Annotated UAV Datasets at Large Scales from 3D City Models
DAY 1 – Jan 12, 2021						Favre, Ketty; Pressigout, Muriel; Marchand, Eric; Morin, Luce		1960	A Plane-Based Approach for Indoor Point Clouds Registration
DAY 1 – Jan 12, 2021						Sikaroudi, Milad; Ghojogh, Benyamin; karray, Fakhri; Crowley, Mark; Tizhoosh, Hamid Reza		1961	Batch-Incremental Triplet Sampling for Training Triplet Networks Using Bayesian Updating Theorem
DAY 1 – Jan 12, 2021						Leo, Marco; Carcagni, Pierluigi; Distanto, Cosimo		1997	A Systematic Investigation on End-To-End Deep Recognition of Grocery Products in the Wild
DAY 1 – Jan 12, 2021						Svanström, Fredrik; Englund, Cristofer; Alonso-Fernandez, Fernando		2001	Real-Time Drone Detection and Tracking With Visible, Thermal and Acoustic Sensors
DAY 1 – Jan 12, 2021						Fürst, Michael; T.P. Gupta, Shriya; Schuster, René; Wasenmüller, Oliver; Stricker, Didier		2020	HPERL: 3D Human Pose Estimation from RGB and LiDAR
DAY 1 – Jan 12, 2021						Blanchon, Marc; Sidibe, Desire; Morel, Olivier; SEULIN, Ralph; Braun, Daniel; Meriaudeau, Fabrice		2028	P2D: A Self-Supervised Method for Depth Estimation from Polarimetry
DAY 1 – Jan 12, 2021						Blanchon, Marc; Meriaudeau, Fabrice; Morel, Olivier; Seulin, Ralph; Sidibe, Desire		2029	Polarimetric Image Augmentation
DAY 1 – Jan 12, 2021						Demir, Ugur; Rawat, Yogesh; Shah, Mubarak		2037	TinyVIRAT: Low-Resolution Video Action Recognition
DAY 1 – Jan 12, 2021						Labit-Bonis, Claire; Thomas, Jérôme; Lerasle, Frederic		2038	Compact and Discriminative Multi-Object Tracking with Siamese CNNs
DAY 1 – Jan 12, 2021						De Gregorio, Daniele; Zanella, Riccardo; Palli, Gianluca; Di Stefano, Luigi		2048	Effective Deployment of CNNs for 3DoF Pose Estimation and Grasping in Industrial Settings
DAY 1 – Jan 12, 2021						Dominguez, Miguel; Ptucha, Raymond		2053	Directional Graph Networks with Hard Weight Assignments
DAY 1 – Jan 12, 2021						Qiao, Zhinan; Yuan, Xiaohui; Zhuang, Chengyuan; Meyarian, Abolfazi		2071	Attention Pyramid Module for Scene Recognition
DAY 1 – Jan 12, 2021						Alibayev, Maxat; Paulius, David Andres; Sun, Yu		2072	Developing Motion Code Embedding for Action Recognition in Videos
DAY 1 – Jan 12, 2021						Hu, Shengnan; Zhang, Yang; Laha, Sumit; Sharma, Ankit; Foroosh, Hassan		2107	CCA: Exploring the Possibility of Contextual Camouflage Attack on Object Detection
DAY 1 – Jan 12, 2021						Fincato, Matteo; Landi, Federico; Cornia, Marcella; Cesari, Fabio; Cucchiara, Rita		2115	VITON-GT: An Image-Based Virtual Try-On Model with Geometric Transformations
DAY 1 – Jan 12, 2021						Yan, Song; Wirta, Johan; Kamarainen, Joni-Kristian		2145	Silhouette Body Measurement Benchmarks
DAY 1 – Jan 12, 2021									
Track 4: Document Analysis and Retrieval	PS T4.1	Poster	Gather Town	5:00 PM	6:00 PM	Marcella Cornia	marcella.cornia@unimore.it		
DAY 1 – Jan 12, 2021						Wang, Bin; Chen, Fenxiao; Wang, Yun Cheng; Kuo, C.-C. Jay		34	Efficient Sentence Embedding Via Semantic Subspace Analysis
DAY 1 – Jan 12, 2021						Koker, Thomas E.; Chintapalli, Sai Spandana; Wang, San; Talbot, Blake A.; Wainstock, Daniel; Cicconet, Marcelo; Walsh, Mary C.		951	On Identification and Retrieval of Near-Duplicate Biological Images: A New Dataset and Protocol
DAY 1 – Jan 12, 2021						Prieto Fontcuberta, José Ramón; Vidal, Enrique; Bosch, Vicente; Alonso, Carlos; Orcero, Carmen; Márquez, Lourdes		960	Textual-Content Based Classification of Bundles of Untranscribed of Manuscript Images
DAY 1 – Jan 12, 2021						Chiron, Guillaume; Ghanmi, Nabil; Awal, Ahmad Montaser		1054	ID Documents Matching and Localization with Multi-Hypothesis Constraints

DAY 1 – Jan 12, 2021					Saire Pilco, Darwin Danilo; Tabbone, Salvatore	1109	Documents Counterfeit Detection through a Deep Learning Approach
DAY 1 – Jan 12, 2021					Zhang, Mengshi; Perelman, Daniel; Le, Vu; Gulwani, Sumit	1140	An Integrated Approach of Deep Learning and Symbolic Analysis for Digital PDF Table Extraction
DAY 1 – Jan 12, 2021					Wödlinger, Matthias; Sablatnig, Robert	1288	Text Baseline Recognition Using a Recurrent Convolutional Neural Network
DAY 1 – Jan 12, 2021					Hoang, Huu Tin; Peng, Chun-Jen; Tran, Hung; Le, Hung; Nguyen, Huy Hoang	1319	LODENet: A Holistic Approach to Offline Handwritten Chinese and Japanese Text Line Recognition
DAY 1 – Jan 12, 2021					Liebl, Bernhard; Burghardt, Manuel	1412	An Evaluation of DNN Architectures for Page Segmentation of Historical Newspapers
DAY 1 – Jan 12, 2021					Zingaro, Stefano; Lisanti, Giuseppe; Gabbriellini, Maurizio	1425	Multimodal Side-Tuning for Document Classification
DAY 1 – Jan 12, 2021					Messina, Nicola; Falchi, Fabrizio; Esuli, Andrea; Amato, Giuseppe	1428	Transformer Reasoning Network for Image-Text Matching and Retrieval
DAY 1 – Jan 12, 2021					Anderson, Carol; Crone, Phil	1509	Segmenting Messy Text: Detecting Boundaries in Text Derived from Historical Newspaper Images
DAY 1 – Jan 12, 2021					Chanda, Sukalpa; Haitink, Daniël Arjen Willem; Prasad, Prashant Kumar; Baas, Jochem; Pal, Umapada; Schomaker, Lambert	1528	Recognizing Bengali Word Images – A Zero-Shot Learning Perspective
DAY 1 – Jan 12, 2021					Ernesto, Noya; Sánchez, Joan Andreu; Benedi, Jose Miguel	1556	Generation of Hypergraphs from the N-Best Parsing of 2D-Probabilistic Context-Free Grammars for Mathematical Expression Recognition
DAY 1 – Jan 12, 2021					Davoudi, Homa; Fiorucci, Marco; Traviglia, Arianna	1626	Ancient Document Layout Analysis: Autoencoders Meet Sparse Coding
DAY 1 – Jan 12, 2021					Cojocaru, Iulian; Cascianelli, Silvia; Baraldi, Lorenzo; Corsini, Massimiliano; Cucchiara, Rita	1665	Watch Your Strokes: Improving Handwritten Text Recognition with Deformable Convolutions
DAY 1 – Jan 12, 2021					Ahmed, Saleem; Davila, Kenny; Setlur, Srirangaraj; Govindaraju, Venu	1715	Equation Attention Relationship Network (EARN) : A Geometric Deep Metric Framework for Learning Similar Math Expression Embedding
DAY 1 – Jan 12, 2021					Pielka, Maren; Sifa, Rafet; Hillebrand, Lars Patrick; Biesner, David; Ramamurthy, Rajkumar; Ladi, Anna; Bauckhage, Christian	1860	Tackling Contradiction Detection in German Using Machine Translation and End-to-End Recurrent Neural Networks
DAY 1 – Jan 12, 2021					Shen, Xi; Pastrolin, Ilaria; Bounou, Oumayma; Gidaris, Spyros; Smith, Marc; Poncet, Olivier; AUBRY, Mathieu	1888	Large-Scale Historical Watermark Recognition: Dataset and a New Consistency-Based Approach
DAY 1 – Jan 12, 2021					Souza, Victor; Oliveira, Adriano; Menelau Oliveira e Cruz, Rafael; Sabourin, Robert	2058	An Investigation of Feature Selection and Transfer Learning for Writer-Independent Offline Handwritten Signature Verification
DAY 1 – Jan 12, 2021					Chakraborty, Anuran; De, Rajonya; Malakar, Samir; Schwenker, Friedhelm; Sarkar, Ram	2128	Handwritten Digit String Recognition using Deep Autoencoder based Segmentation and ResNet based Recognition Approach
DAY 1 – Jan 12, 2021					Mechi, Olfa; Mehri, Maroua; Ingold, Rolf; Essoukri Ben Amara, Najoua	2133	Combining Deep and Ad-hoc Solutions to Localize Text Lines in Ancient Arabic Document Images
DAY 1 – Jan 12, 2021					Kumar, Amandeep; Ghose, Shuvozit; Chowdhury, Pinaki Nath; Roy, Partha Pratim; Pal, Umapada	2150	UDBNET: Unsupervised Document Binarization Network Via Adversarial Game
DAY 1 – Jan 12, 2021					Tuggener, Lukas; Satyawana, Yvan Putra; Pacha, Alexander; Schmidhuber, Jürgen; Stadelmann, Thilo	2539	The DeepScoresV2 Dataset and Benchmark for Music Object Detection
DAY 1 – Jan 12, 2021					Tropin, Daniil; Ilyuhin, Sergey; Nikolaev, Dmitry; Arlazarov, Vladimir V.	2675	Approach for Document Detection by Contours and Contrasts
DAY 1 – Jan 12, 2021					Punjabi, Akshay; Prieto Fontcuberta, José Ramón; Vidal, Enrique	2695	Writer Identification Using Deep Neural Networks: Impact of Patch Size and Number of Patches
DAY 1 – Jan 12, 2021					Romero, Verónica; Sánchez, Joan Andreu	2816	The HisClima database: historical weather logs for automatic transcription and information extraction
DAY 1 – Jan 12, 2021					Tassopoulou, Vasiliki; Retsinas, George; Maragos, Petros	2961	Enhancing handwritten text recognition with N-gram sequence decomposition and multitask learning

DAY 1 – Jan 12, 2021						Guo, Xiaobo; Vosoughi, Soroush		2965	Multi-Modal Identification of State-Sponsored Propaganda on Social Media
DAY 1 – Jan 12, 2021						Urala Kota, Bhargava; Stone, Alexander; Davila, Kenny; Setlur, Srirangaraj; Govindaraju, Venu		3010	Automated Whiteboard Lecture Video Summarization by Content Region Detection and Representation
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Boillet, Mélodie; Kermorvant, Christopher; paquet, thierry		706	OS T4.1 Multiple Document Datasets Pre-Training Improves Text Line Detection with Deep Neural Networks
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Soubgui, Mohamed Ali; Fornés, Alicia; Kessentini, Yousri; Tudor, Crina		1477	OS T4.1 A Few-Shot Learning Approach for Historical Ciphered Manuscript Recognition
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Quirós, Lorenzo; Vidal, Enrique		2114	OS T4.1 Learning to Sort Handwritten Text Lines in Reading Order through Estimated Binary Order Relations
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Kim, Edward; Onweller, Connor; McCoy, Kathleen F.		2838	OS T4.1 Information Graphic Summarization Using a Collection of Multimodal Deep Neural Networks
DAY 1 – Jan 12, 2021									
Track 5: Image and Audio Processing	PS T5.1	Poster	Gather Town	5:00 PM	6:00 PM	Victor Turrisi	vg.turrisidacosta@unitn.it		
DAY 1 – Jan 12, 2021						Liu, Zongyi		86	A Scalable Deep Neural Network to Detect Low Quality Images without a Reference
DAY 1 – Jan 12, 2021						Pavlin, Tomas; Cech, Jan; Matas, Jiri		707	Ballroom Dance Recognition from Audio Recordings
DAY 1 – Jan 12, 2021						Kusumam, Keerthy; Sanchez, Enrique; Tzimiroopoulos, Georgios		768	Unsupervised Face Manipulation via Hallucination
DAY 1 – Jan 12, 2021						Symeonidi, Aikaterini; Nicolaou, Angelos; Johannes, Frank; Christlein, Vincent		808	Recursive Convolutional Neural Networks for Epigenomics
DAY 1 – Jan 12, 2021						Giraud, Rémi; Borba Pinheiro, Rodrigo; Berthoumieu, Yannick		831	Generalized Shortest Path-Based Superpixels for Accurate Segmentation of Spherical Images
DAY 1 – Jan 12, 2021						Salman, Muhammad; Uhl, Andreas		844	Countering Anti-Forensics of SIFT-Based Copy-Move Detection
DAY 1 – Jan 12, 2021						Xu, Fei; zhang, yingtao; Cheng, Heng-Da; Ding, Jianrui; Zhang, Boyu; Ning, Chungping; wang, ying		894	Breast Anatomy Enriched Tumor Saliency Estimation
DAY 1 – Jan 12, 2021						Ma, Dizhi; Lumsdaine, Andrew		896	Fast and Efficient Neural Network for Light Field Disparity Estimation
DAY 1 – Jan 12, 2021						Toufa, Anastasia-Sotiria; Kotropoulos, Constantine		936	Digit Recognition Applied to Reconstructed Audio Signals Using Deep Learning
DAY 1 – Jan 12, 2021						Huang, Kuan; zhang, yingtao; Cheng, Heng-Da; Xing, Ping; Zhang, Boyu		997	Semantic Segmentation of Breast Ultrasound Image with Pyramid Fuzzy Uncertainty Reduction and Direction Connectedness Feature
DAY 1 – Jan 12, 2021						Roychowdhury, Sohini		1267	Few Shot Learning Framework to Reduce Inter-Observer Variability in Medical Images
DAY 1 – Jan 12, 2021						Imran, Abdullah-Al-Zubaer; Terzopoulos, Demetri		1354	Progressive Adversarial Semantic Segmentation
DAY 1 – Jan 12, 2021						Hussein, Ramy; Lee, Soojin; Ward, Rabab K.; McKeown, Martin		1483	Epileptic Seizure Prediction: A Semi-Dilated Convolutional Neural Network Architecture
DAY 1 – Jan 12, 2021						Miah, Mehdi; Pepin, Justine; Saunier, Nicolas; Bilodeau, Guillaume-Alexandre		1522	An Empirical Analysis of Visual Features for Multiple Object Tracking in Urban Scenes
DAY 1 – Jan 12, 2021						Tunai, Porto Marques; Rezvanifar, Alireza; Cote, Melissa; Branzan Albu, Alexandra; Ersahin, Kaan; Mudge, Todd; Gauthier, Stephane		1624	Detecting Marine Species in Echograms Via Traditional, Hybrid, and Deep Learning Frameworks
DAY 1 – Jan 12, 2021						Le, Ngan; Yamazaki, Kashu; Kha Gia, Quach; Truong, Thanh-Dat; Savvides, Marios		1630	A Multi-task Contextual Atrous Residual Network for Brain Tumor Detection & Segmentation
DAY 1 – Jan 12, 2021						Le, Ngan; Le, Trung; Bui, Duc Toan; Luu, Khoa; Savvides, Marios		1688	Offset Curves Loss for Imbalanced Problem in Medical Segmentation
DAY 1 – Jan 12, 2021						Dehzangi, Omid; Shokouhmand, Arash; Ramadan, Jad; Finomore, Victor; Nasrabadi, Nasser M.; Rezai, Ali		1745	XGBoost to Interpret the Opioid Patients □ StateBased on Cognitive and Physiological Measures
DAY 1 – Jan 12, 2021						Heidari, Saba; Dehzangi, Omid; nasrabadi, nasser M.; Rezai, Ali		1757	OCT Image Segmentation Using NeuralArchitecture Search and SRGAN

DAY 1 – Jan 12, 2021						Nkouanga, Hermann Jepdjo; Vajda, Szilard			1762		Automatic Tuberculosis Detection Using Chest X-Ray Analysis with Position Enhanced Structural Information
DAY 1 – Jan 12, 2021						Wu, Xuanyi; Ma, Jianfei; Sun, Yu; zhao, Chenqiu; Basu, Anup			1813		Multi-Scale Deep Pixel Distribution Learning for Concrete Crack Detection
DAY 1 – Jan 12, 2021						Ma, Yingnan; Yang, Fei; Basu, Anup			1893		Edge-Guided CNN for Denoising Images from Portable Ultrasound Devices
DAY 1 – Jan 12, 2021						Nuechterlein, Nicholas; Li, Beibin; Seyfioglu, Mehmet Saygin; Mehta, Sachin; Cimino, Patrick; Shapiro, Linda			1979		Leveraging Unlabeled Data for Glioma Molecular Subtype and Survival Prediction
DAY 1 – Jan 12, 2021						Lockhart, Lisette; Saeedi, Parvaneh; Au, Jason; Havelock, Jon			2278		Human Embryo Cell Centroid Localization and Counting in Time-Lapse Sequences
DAY 1 – Jan 12, 2021						Guo, Danfeng; Terzopoulos, Demetri			2432		A Transformer-Based Network for Anisotropic 3D Medical Image Segmentation
DAY 1 – Jan 12, 2021						Kamran, Sharif Amit; Fariha Hossain, Khondker; Tavakkoli, Alireza; Zuckerbrod, Stewart Lee			2520		Attention2AngioGAN: Synthesizing Fluorescein Angiography from Retinal Fundus Images Using Generative Adversarial Networks
DAY 1 – Jan 12, 2021						Sarhan, Abdullah; Rokne, Jon; Alhaji, Reda; Crichton, Andrew			2544		Transfer Learning through Weighted Loss Function and Group Normalization for Vessel Segmentation from Retinal Images
DAY 1 – Jan 12, 2021						Sabir, Ekraam; Jaiswal, Ayush; AbdAlmageed, Wael; Natarajan, Prem			2714		MEG: Multi-Evidence GNN for Image Repurposing Detection
DAY 1 – Jan 12, 2021						Maddali, Vinay; Looney, David; Patil, Kailash			2975		Detection of Calls From Smart Speaker Devices
DAY 1 – Jan 12, 2021						Vasilescu, Alex; Kim, Eric; Zeng, Xiao			3021		Causal Representations with Block Tensor Factorization
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Bonettini, Nicolo; Cannas, Edoardo Daniele; Mandelli, Sara; Bondi, Luca; Bestagini, Paolo; Tubaro, Stefano			1385	OS T5.1	Video Face Manipulation Detection through Ensemble of CNNs
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Rishav, René Schuster; Batraway, Rami; Wasenmüller, Oliver; Stricker, Didier			48	OS T5.1	ResFPN: Residual Skip Connections in Multi-Resolution Feature Pyramid Networks for Accurate Dense Pixel Matching
DAY 1 – Jan 12, 2021 - DAY 1 – Jan 12, 2021						Umer, Rao Muhammad; Foresti, Gian Luca; Micheloni, Christian			645	OS T5.1	Deep Iterative Residual Convolutional Network for Single Image Super-Resolution
DAY 1 – Jan 12, 2021											
Track 5: Image and Signal Processing	PS T5.2	Poster	Gather Town	5:00 PM	6:00 PM	Simone Calderera	simone.calderara@unimore.it				
DAY 1 – Jan 12, 2021						Kostkova, Jitka; Flusser, Jan; Pedone, Matteo			117		Combined Invariants to Gaussian Blur and Affine Transformation
DAY 1 – Jan 12, 2021						Harrigan, Shane; Coleman, Sonya; Kerr, Dermot; Yogarajah, Pratheepan; Fang, Zheng; Wu, Chengdong			625		Reducing-Over-Time Tree for Event-Based Data
DAY 1 – Jan 12, 2021						Honarvar Shakibaei Asli, Barmak; Flusser, Jan; Zhao, Yifan; Ahmet Erkoyuncu, John; Roy, Rajkumar			633		DCT/IDCT Filter Design for Ultrasound Image Filtering
DAY 1 – Jan 12, 2021						Frasca, Maria; Nappi, Michele; Risi, Michele; Tortora, Genoveffa; Auriemma Citarella, Alessia			703		A Comparison of Neural Network Approaches for Melanoma Classification
DAY 1 – Jan 12, 2021						Greco, Danilo; Cavazza, Jacopo; Del Bue, Alessio			1820		Are Multiple Cross-Correlation Identities Better Than Just Two? Improving the Estimate of Time Differences-Of-Arrivals from Blind Audio Signals
DAY 1 – Jan 12, 2021						Li, Shiwei; Ardabilian, Mohsen; Zine, Abdelmalek			1878		Fast Determination of Melanin Based on Skin Hyperspectral Reflectance
DAY 1 – Jan 12, 2021						Zhou, Lanxiang; Wang, Yifei; Xiao, Bo; Xu, Qianfang			1947		DFH-GAN: A Deep Face Hashing with Generative Adversarial Network
DAY 1 – Jan 12, 2021						Roziere, Baptiste; Rakotonirina, Nathanaël Carraz; Hosu, Vlad; Andry, Rasoanaivo; Lin, Hanhe; couprie, camille; Teytaud, Olivier			1950		Tarsier: Evolving Noise Injection in Super-Resolution GANs
DAY 1 – Jan 12, 2021						Fan, Siyu; Wang, Yisen; Luo, Yuan; Schmitt, Alexander Michael; Yu, Shenghua			1966		Improving Gravitational Wave Detection with 2D Convolutional Neural Networks
DAY 1 – Jan 12, 2021						Mehri, Armin; Behjati Ardakani, Parichehr; Sappa, Angel D.			1989		LiNet: A Lightweight Network for Image Super Resolution

Day date	Session code	Session type	Presentation mode	Session start time CET	Session end time CET	Session chair / authors	Paper id	Also presented in	
DAY 2 - January 13									
DAY 2 – Jan 13, 2021									
Track 1: Deep Learning and Pattern Analysis									
	PS T1.3	Poster	Gather Town	12:00 PM	1:00 PM	Zhun Zhong zhun.zhong@unitn.it			
DAY 2 – Jan 13, 2021						Tajima, Kenya; Tsuchida, Kouhei; Zara, Esmeraldo Ronnie Rey; Ohta, Naoya; Kato, Tsuyoshi	977	Learning Sign-Constrained Support Vector Machines	
DAY 2 – Jan 13, 2021						Yang, Zhen; Zhang, Chi; Guo, Huiming; Zhang, Zhaoxiang	979	Manual-Label Free 3D Detection Via an Open-Source Simulator	
DAY 2 – Jan 13, 2021						Li, Cheng; Rana, Santu; Gill, Andrew William; Nguyen, Dang; Gupta, Sunil Kumar; Venkatesh, Svetha	981	Factor Screening Using Bayesian Active Learning and Gaussian Process Meta-Modelling	
DAY 2 – Jan 13, 2021						Lee, Sue Han; Goëau, Herve; Bonnet, Pierre; Joly, Alexis	987	Conditional Multi-Task Learning for Plant Disease Identification	
DAY 2 – Jan 13, 2021						Lin, Yi; Wang, Namin; Ma, Xiaoqing; Li, Ziwei; Bai, Gang	995	How Does DCNN Make Decisions?	
DAY 2 – Jan 13, 2021						Kawamura, Naoki; Kubota, Susumu	998	Sample-Dependent Distance for 1 : N Identification Via Discriminative Feature Selection	
DAY 2 – Jan 13, 2021						Takenaga, Shintaro; Watanabe, Shuhei; Nomura, Masahiro; Ozaki, Yoshihiko; Onishi, Masaki; Habe, Hitoshi	999	Evaluating Initialization of Nelder-Mead Method for Hyperparameter Optimization in Deep Learning	
DAY 2 – Jan 13, 2021						Huang, Wanming; Xu, Yi Da; Jiang, Shuai; Liang, Xuan; Oppermann, Ian	1022	GAN-Based Gaussian Mixture Model Responsibility Learning	
DAY 2 – Jan 13, 2021						Sun, Yiwen; Wang, Yulu; Fu, Kun; Wang, Zheng; Zhang, Changshui; Ye, Jieping	1024	Constructing Geographic and Long-term Temporal Graph for Traffic Forecasting	
DAY 2 – Jan 13, 2021						Huang, Yen-Ting; Liao, Wen-Hung; Huang, Chen-Wei	1026	Defense Mechanism against Adversarial Attacks Using Density-Based Representation of Images	
DAY 2 – Jan 13, 2021						Iwana, Brian Kenji; Uchida, Seiichi	1037	Time Series Data Augmentation for Neural Networks by Time Warping with a Discriminative Teacher	
DAY 2 – Jan 13, 2021						Guo, Jingjie; Tian, Kelang; Ye, Kejiang; Xu, Cheng-Zhong	1045	MA-LSTM: A Multi-Attention Based LSTM for Complex Pattern Extraction	
DAY 2 – Jan 13, 2021						Wen, Zhiwei; Wu, Haoqian; Xie, Weicheng; Shen, Linlin	1075	Group-Wise Feature Orthogonalization and Suppression for GAN Based Facial Attribute Translation	
DAY 2 – Jan 13, 2021						Dong, Wenhua; Wu, Xiaojun; Li, Hui; Feng, Zhen-Hua; Kittler, Josef	1104	Subspace Clustering Via Joint Unsupervised Feature Selection	
DAY 2 – Jan 13, 2021						Tang, Rongxiao; Wang, Luyang; GUO, Zhenhua	1105	A Multi-Task Neural Network for Action Recognition with 3D Key-Points	
DAY 2 – Jan 13, 2021						Shin, Beomjo; Cho, Junsu; Yu, Hwanjo; Choi, Seungjin	1148	Sparse Network Inversion for Key Instance Detection in Multiple Instance Learning	
DAY 2 – Jan 13, 2021						Jung, Jay Hoon; Kwon, YoungMin	1644	Color, Edge, and Pixel-Wise Explanation of Predictions Based on Interpretable Neural Network Model	
DAY 2 – Jan 13, 2021						Chung, Hyunseung; Nam, Woo-Jeoung; Lee, Seong-Whan	1758	Rotation Invariant Aerial Image Retrieval with Group Convolutional Metric Learning	
DAY 2 – Jan 13, 2021						Tanaka, Tomohiro; Shinozaki, Takahiro	1783	Unsupervised Sound Source Localization From Audio-Image Pairs Using Input Gradient Map	
DAY 2 – Jan 13, 2021						Li, Weifu; John, Vijay; Mita, Seiichi	2009	Enhancing Depth Quality of Stereo Vision Using Deep Learning-Based Prior Information of the Driving Environment	
DAY 2 – Jan 13, 2021						Mitsuno, Kakeru; Nomura, Yuichiro; Kurita, Takio	2083	Channel Planting for Deep Neural Networks Using Knowledge Distillation	
DAY 2 – Jan 13, 2021						Kanno, Yuri; Yasuda, Muneki	2108	Multi-Layered Discriminative Restricted Boltzmann Machine with Untrained Probabilistic Layer	
DAY 2 – Jan 13, 2021						Joo, DongGyu; Kim, Doyeon; Kim, Junmo	2118	Slimming ResNet by Slimming Shortcut	
DAY 2 – Jan 13, 2021						Yang, Mingliang; Zhao, Jing; Huang, Da; Wang, Ji	2127	Progressive Unsupervised Domain Adaptation for Image-Based Person Re-Identification	
DAY 2 – Jan 13, 2021						Liu, Xiyao; Ma, Ziping; Guo, Xingbei; Hou, Jialu; Wang, Lei; Schaefer, Gerald; Fang, Hui	2129	Joint Compressive Autoencoders for Full-Image-To-Image Hiding	

DAY 2 – Jan 13, 2021						Ren, Yuanhang; Du, Ye		2137	Uniform and Non-Uniform Sampling Methods for Sub-Linear Time K-Means Clustering
DAY 2 – Jan 13, 2021						Kim, Doyeon; Joo, DongGyu; Kim, Junmo		2141	Delivering Meaningful Representation for Monocular Depth Estimation
DAY 2 – Jan 13, 2021						Yuanxin, Zhang; Ma, Huimin; Wang, Yu		2147	AVD-Net: Attention Value Decomposition Network for Deep Multi-Agent Reinforcement Learning
DAY 2 – Jan 13, 2021						Peng, Tao; Li, Rong; Li, Shang; Zhu, Pengfei		2183	Learning from Web Data: Improving Crowd Counting Via Semi-Supervised Learning
DAY 2 – Jan 13, 2021						Kawanishi, Yasutomo; Deguchi, Daisuke; Ide, Ichiro; Murase, Hiroshi		2184	OMEGA-GAN: Object Manifold Embedding GAN for Image Generation by Disentangling Parameters into Pose and Shape Manifolds
DAY 1 – Jan 12, 2021 - DAY 2 - Jan 13, 2021						Goh, Gary Shing Wee; Lapuschkin, Sebastian; Weber, Leander; Samek, Wojciech; Binder, Alexander		1363	OS T1.1 Understanding Integrated Gradients with SmoothTaylor for Deep Neural Network Attribution
DAY 2 – Jan 13, 2021									
Track 1: Machine Learning and Applications									
	PS T1.4	Poster	Gather Town	12:00 PM	1:00 PM	Tiberio Uricchio	tiberio.uricchio@unifi.it		
DAY 2 – Jan 13, 2021						Zhou, Weilian; Kamata, Sei-ichiro		1301	Multi-Scanning Based Recurrent Neural Network for Hyperspectral Image Classification
DAY 2 – Jan 13, 2021						Chai, Chunlai; Lou, Yukuan; Zhang, Shijin; Hua, Ming		1302	Prior Knowledge about Attributes: Learning a More Effective Potential Space for Zero-Shot Recognition
DAY 2 – Jan 13, 2021						Tanveer, Muhammad Suhaib; Karim Khan, Umar; Min Kyung, Chong		1310	Fine-Tuning DARTS for Image Classification
DAY 2 – Jan 13, 2021						Suri, Bhasker Sri Harsha; Yeturu, Kalidas		1314	Pseudo Rehearsal Using Non Photo-Realistic Images
DAY 2 – Jan 13, 2021						Xie, Yingpeng; Wan, Qiwei; Xie, Hai; Tan, En-Leng; Xu, Yanwu; Lei, Baiying		1321	Semi-Supervised Generative Adversarial Networks with a Pair of Complementary Generators for Retinopathy Screening
DAY 2 – Jan 13, 2021						Takahashi, Masami; Kohjima, Masahiro; Kurashima, Takeshi; Toda, Hiroyuki		1337	Can Reinforcement Learning Lead to Healthy Life?: Simulation Study Based on User Activity Logs
DAY 2 – Jan 13, 2021						Zhang, Liping; Li, weijun; Xin, Ning; Sun, Linjun; Dong, Xiaoli		1342	A Local Descriptor with Physiological Characteristic for Finger Vein Recognition
DAY 2 – Jan 13, 2021						Madasu, Avinash; Rao, Anvesh Zhang, Doudou; Cai, Jing; xue, yanbing; Gao, Zan; Zhang, Hua		1343	Sequential Domain Adaptation through Elastic Weight Consolidation for Sentiment Analysis
DAY 2 – Jan 13, 2021						Yuan, Lixian; Chen, Riquan; Wu, Hefeng; Chen, Tianshui; Wang, Wentao; Chen, Pei		1371	Attention Stereo Matching Network
DAY 2 – Jan 13, 2021						Zhang, Yuhang; Ren, Hongshuai; Ye, Jiexia; Gao, Xitong; Wang, Yang; Ye, Kejiang; Xu, Cheng-Zhong		1373	Exploiting Knowledge Embedded Soft Labels For Image Recognition
DAY 2 – Jan 13, 2021						Chhabra, Saheb; Agarwal, Akshay; Singh, Richa; Vatsa, Mayank		1408	AOAM: Automatic Optimization of Adjacency Matrix for Graph Convolutional Network
DAY 2 – Jan 13, 2021						Chhabra, Saheb; Agarwal, Akshay; Singh, Richa; Vatsa, Mayank		1449	Revisiting Adversarial Attacks via Visual Imperceptible Bound
DAY 2 – Jan 13, 2021						Wang, Kesu; Chen, Jing; Liao, Shijie; Hou, Jiaxin; Xiong, Qingyu		1484	Geographic-Semantic-Temporal Hypergraph Convolutional Network for Traffic Flow Prediction
DAY 2 – Jan 13, 2021						Chen, Guanyu; Chen, Chong; Zhao, Zhicheng; Su, Fei		1494	Human-Centric Parsing Network for Human-Object Interaction Detection
DAY 2 – Jan 13, 2021						Liu, Yongxu; Liu, Yan		1503	Position-Aware Safe Boundary Interpolation Oversampling
DAY 2 – Jan 13, 2021						Piot, Mélanie; Bourdalous, Bérangère; Deshayes, Aurelia; Prevost, Lionel; Jordan, Gonzalez		1506	Dual-Memory Model for Incremental Learning: The Handwriting Recognition Use Case
DAY 2 – Jan 13, 2021						Xiao, Ruixin; Liu, Zhilei; Wu, Baoyuan		2272	Teacher-Student Competition for Unsupervised Domain Adaption
DAY 2 – Jan 13, 2021						Yang, Hao; Zhou, Yun		2274	IDA-GAN: A Novel Imbalanced Data Augmentation GAN
DAY 2 – Jan 13, 2021						NT, Hoang; Maehara, Takanori; Murata, Tsuyoshi		2301	Revisiting Graph Neural Networks: Graph Filtering Perspective
DAY 2 – Jan 13, 2021						Matsukawa, Tetsu; Suzuki, Einoshin		2307	Convolutional Feature Transfer via Camera-Specific Discriminative Pooling for Person Re-Identification
DAY 2 – Jan 13, 2021						Tian, Yuxing; Liu, Zheng; Liu, Weiding; Zhang, Zeyu; Qu, Yanwen		2313	What Nodes Vote To? Graph Classification without Readout Phase

DAY 2 – Jan 13, 2021						Zhang, Yifei; Liu, Chang; Zhou, Yu; Wang, Wei; Wang, Weiping; Ye, Qixiang		2321		Progressive Cluster Purification for Unsupervised Feature Learning
DAY 2 – Jan 13, 2021						Xu, Junzhe; Zhang, Jianhua; Chen, Shengyong; Liu, Honghai		2325		Object-Oriented Map Exploration and Construction Based on Auxiliary Task Aided DRL
DAY 2 – Jan 13, 2021						Aoki, Haruka; Tsubota, Koki; Ikuta, Hikaru; Aizawa, Kiyoharu		2339		Few-Shot Font Generation with Deep Metric Learning
DAY 2 – Jan 13, 2021						Chi, Yanling; Xu, Yuyu; Feng, Gang; mao, jiawei; Wu, Sihua; Xu, Guibin; Huang, Weimin		2341		Segmenting Kidney on Multiple Phase CT Images Using ULBNet
DAY 2 – Jan 13, 2021						Wu, Wei; YU, JiaLe		2348		An Improved Bilinear Pooling Method for Image-Based Action Recognition
DAY 2 – Jan 13, 2021						Wei, Pengfei; Leong, Tze Yun		2390		Randomized Transferable Machine
DAY 2 – Jan 13, 2021						Kim, Jinhee; Kim, Taesung; Choi, Jang-Ho; Choo, Jaegul		2428		End-To-End Multi-Task Learning of Missing Value Imputation and Forecasting in Time-Series Data
DAY 2 – Jan 13, 2021						Knights, Joshua; Harwood, Ben; Ward, Daniel; Vanderkop, Anthony; Mackenzie-Ross, Olivia; Moghadam, Peyman		2462		Temporally Coherent Embeddings for Self-Supervised Video Representation Learning
DAY 2 – Jan 13, 2021						Hossam, Mahmoud; Le, Trung; Zhao, He; Phung, Dinh		2463		Transfer2Attack: Text Adversarial Attacks via Cross-Domain Interpretability
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021						Fang, Jiansheng; Zhang, Xiaoqing; Hu, Yan; Xu, Yanwu; Yang, Ming; Liu, Jiang		19	OS T1.4	Probabilistic Latent Factor Model for Collaborative Filtering with Bayesian Inference
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021						Shen, Shibo; Li, Rongpeng; Zhao, Zhifeng; Zhang, Honggang; Zhou, Yugeng		435	OS T1.4	Learning to Prune in Training via Dynamic Channel Propagation
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021						Su, Xinxing; Yuan, Yuchen; Su, Xiangbo; Zou, Zhikang; wen, shilei; Zhou, Pan		2124	OS T1.4	HANet: Hybrid Attention-Aware Network for Crowd Counting
DAY 2 – Jan 13, 2021										
Track2: Biometrics and Human Analysis										
	PS T2.2	Poster	Gather Town	12:00 PM	1:00 PM	Hao Tang	hao.tang@unitn.it			
DAY 2 – Jan 13, 2021						Michio, Miwa; Kenji, Honda; Makoto, Sato		6		Image Defocus Analysis for Finger Detection on a Virtual Keyboard
DAY 2 – Jan 13, 2021						Fei, Lunke; Qin, Jianyang; Zhang, Bob; Wen, Jie; Tian, Chunwei; Liu, Peng; Zhao, Shuping		82		Joint Learning Multiple Curvature Descriptor for 3D Palmprint Recognition
DAY 2 – Jan 13, 2021						Obinata, Yuya; Yamamoto, Takuma		335		Temporal Extension Module for Skeleton-Based Action Recognition
DAY 2 – Jan 13, 2021						Liu, Daizong; Zhang, Hongting; Zhou, Pan		351		Video-Based Facial Expression Recognition Using Graph Convolutional Networks
DAY 2 – Jan 13, 2021						Wang, Hanrui; Dong, Xingbo; Zhe, Jin; Dugelay, Jean-Luc; Tistarelli, Massimo		353		Cross-spectrum Face Recognition Using Subspace Projection Hashing
DAY 2 – Jan 13, 2021						Komkov, Stepan; Petiushko, Aleksandr		401		AdvHat: Real-World Adversarial Attack on ArcFace Face ID System
DAY 2 – Jan 13, 2021						Sun, Linhui; Zhang, Yifan; Cheng, Jian; Lu, Hanqing		503		PEAN: 3D Hand Pose Estimation Adversarial Network
DAY 2 – Jan 13, 2021						Liu, Wenshuang; Chen, Wenting; Zhu, Yuanlue; Shen, Linlin		526		SATGAN: Augmenting Age Biased Dataset for Cross-Age Face Recognition
DAY 2 – Jan 13, 2021						Li, Mingkun; Li, Chun-Guang; Guo, Ruo-Pei; Guo, Jun		548		Self-Paced Bottom-Up Clustering Network with Side Information for Person Re-Identification
DAY 2 – Jan 13, 2021						Cheng, Ke; Zhang, Yifan; Li, Chenghua; Cheng, Jian; Lu, Hanqing		574		Motion Complementary Network for Efficient Action Recognition
DAY 2 – Jan 13, 2021						Zhao, He; Shi, Yongjie; Tong, Xin; Wen, Jingsi; Ying, Xianghua; Zha, Hongbin		602		G-FAN: Graph-Based Feature Aggregation Network for Video Face Recognition
DAY 2 – Jan 13, 2021						Tang, Yang; Chen, Shuang; Zhang, Honggang; Wang, Gang; Yang, Rui		644		MRP-Net: A Light Multiple Region Perception Neural Network for Multi-Label AU Detection
DAY 2 – Jan 13, 2021						Ai, Mingjing; Shan, Guozhi; Liu, Bo; Liu, Tianyang		654		Rethinking ReID : Multi-Feature Fusion Person Re-Identification Based on Orientation Constraints
DAY 2 – Jan 13, 2021						Han, Sang Yoon; Cho, Nam Ik		674		User-Independent Gaze Estimation by Extracting Pupil Parameter and Its Mapping to the Gaze Angle

DAY 2 – Jan 13, 2021						Liu, Zhao; Feng, Zunlei; Zou, Zeyu; Zhang, Rong; Song, Mingli; Shen, Jianping		678		Disentangled Representation Based Face Anti-Spoofing
DAY 2 – Jan 13, 2021						Yao, Lingxiang; Kusakunniran, Worapan; Wu, Qiang; Zhang, Jian; XU, Jingsong		687		Part-Based Collaborative Spatio-Temporal Feature Learning for Cloth-Changing Gait Recognition
DAY 2 – Jan 13, 2021						Shi, Lei; Zhou, Zhuo; GUO, Zhenhua		705		Face Anti-Spoofing Using Spatial Pyramid Pooling
DAY 2 – Jan 13, 2021						Pan, Yueran; Cai, Kunjing; Cheng, Ming; Zou, Xiaobing; Li, Ming		734		Responsive Social Smile: A Machine-Learning Based Multimodal Behavior Assessment Framework towards Early Stage Autism Screening
DAY 2 – Jan 13, 2021						Thanasutives, Pongpisit; Fukui, Ken-ichi; Numao, Masayuki; Kijisirikul, Boonserm		763		Encoder-Decoder Based Convolutional Neural Networks with Multi-Scale-Aware Modules for Crowd Counting
DAY 2 – Jan 13, 2021						Iwata, Saki; Kawanishi, Yasutomo; Deguchi, Daisuke; Ide, Ichiro; Murase, Hiroshi; Aizawa, Tomoyoshi		816		LFIR2Pose: Pose Estimation from an Extremely Low-Resolution FIR Image Sequence
DAY 2 – Jan 13, 2021						Zhewei, Zhang; Can, Ma; Meilin, Gao; Bowen, Ding		872		Detecting Manipulated Facial Videos: A Time Series Solution
DAY 2 – Jan 13, 2021						Zhou, Peilin; Huang, Zhiqi; Liu, Fenglin; Zou, Yuexian		906		PIN: A Novel Parallel Interactive Network for Spoken Language Understanding
DAY 2 – Jan 13, 2021						Wang, Jianrong; Wu, Tong; Wang, Shanyu; Yu, Mei; Fang, Qiang; Zhang, Ju; Liu, Li		1000		Three-Dimensional Lip Motion Network for Text-Independent Speaker Recognition
DAY 2 – Jan 13, 2021						Wu, Jinting; Zhang, Yujia; Zhao, Xiao-Guang		1014		A Prototype-Based Generalized Zero-Shot Learning Framework for Hand Gesture Recognition
DAY 2 – Jan 13, 2021						Zhu, Hao; Li, Yi; Zhu, Feixia; ZHENG, AIHUA; He, Ran		1039		Let's Play Music: Audio-Driven Performance Video Generation
DAY 2 – Jan 13, 2021						Huo, Lijuan; Song, Chunfeng; liu, zhengyi; Zhang, Zhaoxiang		1055		Attentive Part-Aware Networks for Partial Person Re-Identification
DAY 2 – Jan 13, 2021						ZHENG, AIHUA; Zhu, Feixia; Zhu, Hao; Luo, Mandi; He, Ran		1060		Talking Face Generation Via Learning Semantic and Temporal Synchronous Landmarks
DAY 2 – Jan 13, 2021						Lao BanTeng, Michael; Wu, Zhiyong		1082		Channel-Wise Dense Connection Graph Convolutional Network for Skeleton-Based Action Recognition
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021						Nam, Suekyeong; Lee, Seungkyu		1743	OS T2.1	JT-MGCN: Joint-Temporal Motion Graph Convolutional Network for Skeleton-Based Action Recognition
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						D'Eusano, Andrea; Pini, Stefano; Borghi, Guido; Vezzani, Roberto; Cucchiara, Rita		749	OS T2.3	RefiNet: 3D Human Pose Refinement with Depth Maps
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Casula, Roberto; Orrù, Giulia; Angioni, Daniele; Feng, Xiaoyi; Marcialis, Gian Luca; Roli, Fabio		1006	OS T2.3	Are Spoofs from Latent Fingerprints a Real Threat for the Best State-Of-Art Liveness Detectors?
DAY 2 – Jan 13, 2021										
Track 3: Computer Vision, Detection and Applications										
	PS T3.4	Poster	Gather Town	12:00 PM	1:00 PM	Aliaksandr Siarohin	aliaksandr.siarohin@unitn.it			
DAY 2 – Jan 13, 2021						Quan, Yu; Li, Zhixin; Zhang, Canlong; Ma, Huifang		439		Object Detection Model Based on Scene-Level Region Proposal Self-Attention
DAY 2 – Jan 13, 2021						Deng, Zhaoli; Yang, Chenhui		456		Multiple-Step Sampling for Dense Object Detection and Counting
DAY 2 – Jan 13, 2021						Jiang, Na; Wen, Xingsen; Shi, Zhiping		463		DAPC: Domain Adaptation People Counting Via Style-Level Transfer Learning and Scene-Aware Estimation
DAY 2 – Jan 13, 2021						Huang, Hantao; HAN, TAO; Han, Wei; Deep Yap, Deep Yap; Chiang, Cheng-Ming		486		Answer-Checking in Context: A Multi-Modal Fully Attention Network for Visual Question Answering
DAY 2 – Jan 13, 2021						Song, Hang; Song, Yonghong; Zhang, Yuanlin		488		SCA Net: Sparse Channel Attention Module for Action Recognition
DAY 2 – Jan 13, 2021						Wu, Mingyan; Zhang, Xi; Shen, Linlin; Yu, Hang		500		Pose-Aware Multi-Feature Fusion Network for Driver Distraction Recognition
DAY 2 – Jan 13, 2021						Wang, Chengliang; Xie, Xin; Liao, Chao		546		An Adaptive Fusion Model Based on Kalman Filtering and LSTM for Fast Tracking of Road Signs
DAY 2 – Jan 13, 2021						Kurosawa, Ikuto; Kobayashi, Tetsunori; Hayashi, Yoshihiko		547		Exploring and Exploiting the Hierarchical Structure of a Scene for Scene Graph Generation
DAY 2 – Jan 13, 2021						Shan, Lianlei; Wang, Weiqiang; Li, Minglong		555		UHRSNet: A Semantic Segmentation Network Specifically for Ultra-High-Resolution Images
DAY 2 – Jan 13, 2021						Cheng, Qi; Chen, Mingqin; Wu, Yingjie; Chen, Fei; Lin, Shiping		563		MagnifierNet: Learning Efficient Small-Scale Pedestrian Detector towards Multiple Dense Regions
DAY 2 – Jan 13, 2021						Nakano, Gaku		566		Camera Calibration Using Parallel Line Segments

DAY 2 – Jan 13, 2021						Kim, Jaekyum; Koh, Junho; Choi, Jun Won		587		Video Object Detection Using Object’s Motion Context and Spatio-Temporal Feature Aggregation
DAY 2 – Jan 13, 2021						Yuan, Zheng; Zhang, Jie; Shan, Shiguang; Chen, xilin		600		Attributes Aware Face Generation with Generative Adversarial Networks
DAY 2 – Jan 13, 2021						Yang, Shih-Min; Yeh, Mei-Chen		604		Unsupervised Multi-Task Domain Adaptation
DAY 2 – Jan 13, 2021						Shi, Yongjie; Tong, Xin; Wen, Jingsi; Zhao, He; Ying, Xianghua; Zha, Hongbin		607		Position-Aware and Symmetry Enhanced GAN for Radial Distortion Correction
DAY 2 – Jan 13, 2021						Yang, Zulu; Ai, Xindong; Yang, Weida; Zhao, Yong; Dai, Qifei; Li, Fuchi		611		Deeply-Fused Attentive Network for Stereo Matching
DAY 2 – Jan 13, 2021						Cao, Xu; Lin, Yanghao		617		CAGNet: Crossing Aggregation Network for Medical Image Segmentation
DAY 2 – Jan 13, 2021						Shimizu, Takahiro; Koide, Kenji; Oishi, Shuji; Yokozuka, Masashi; Banno, Atsuhiko; Shino, Motoki		631		Sensor-Independent Pedestrian Detection for Personal Mobility Vehicles in Walking Space Using Dataset Generated by Simulation
DAY 2 – Jan 13, 2021						Ding, Jiali; Liu, Tie; Chen, Qixin; Yuan, Zejian; Shang, Yuanyuan		648		Visual Saliency Oriented Vehicle Scale Estimation
DAY 2 – Jan 13, 2021						Hu, Wei; Zhao, Qihao; Huang, Yangyu; Zhang, Fan		651		P-DIFF: Learning Classifier with Noisy Labels Based on Probability Difference Distributions
DAY 2 – Jan 13, 2021						Gu, Yi; Li, Jie; Wu, Chentao; Jia, Weijia; Chen, Jianping		657		Small Object Detection by Generative and Discriminative Learning
DAY 2 – Jan 13, 2021						Namiki, Shigeaki; Yokoyama, Keiko; yachida, shoji; Shibata, Takashi; Miyano, Hiroyoshi; Ishikawa, Masatoshi		679		Online Object Recognition Using CNN-Based Algorithm on High-Speed Camera Imaging
DAY 2 – Jan 13, 2021						Fang, Tzu-Ting; Vo, Minh Duc; Sugimoto, Akihiro; Lai, Shang-Hong		681		Stylized-Colorization for Line Arts
DAY 2 – Jan 13, 2021						Ge, Zheng; Hu, Chuyu; Xin, Huang; Qiu BaiQiao; Yoshie, Osamu		698		DualBox: Generating BBox Pair with Strong Correspondence Via Occlusion Pattern Clustering and Proposal Refinement
DAY 2 – Jan 13, 2021						Farazi, Moshir R; Khan, Salman Hameed; Barnes, Nick		1033		Question-Agnostic Attention for Visual Question Answering
DAY 2 – Jan 13, 2021						Phan, Vu Minh; Phung, Son Lam; Bouzerdoun, Abdesselam		1049		Ordinal Depth Classification Using Region-based Self-attention
DAY 2 – Jan 13, 2021						Yang, Yukun; Zhang, Ruiheng; Wu, Wanneng; Peng, Yu; Xu, Min		1248		Multi-Camera Sports Players 3D Localization with Identification Reasoning
DAY 2 – Jan 13, 2021						Chen, Xin; Wang, Bin; Gao, Yongsheng		1589		Gaussian Convolution Angles: Invariant Vein and Texture Descriptors for Butterfly Species Identification
DAY 2 – Jan 13, 2021						Song, Zeyu; Chang, Dongliang; Ma, Zhanyu; Xiaoxu, Li; Tan, Zheng-Hua		2090		Cc-Loss: Channel Correlation Loss for Image Classification
DAY 2 – Jan 13, 2021						Ang, Sui Paul; Phung, Son Lam; Bouzerdoun, Abdesselam; Nguyen, Thi Nhat Anh; Duong, Soan T. M.; Schira, Mark M.		2305		Real-time Pedestrian Lane Detection for Assistive Navigation using Neural Architecture Search
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021						Zhang, Jingyang; Yao, Yao; Luo, Zixin; Li, Shiwei; Shen, Tianwei; Fang, Tian; Quan, Long		588	OS T3.3	Learning Stereo Matchability in Disparity Regression Networks
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021						Pan, Ge; Han, Zhang; yu, fan; Song, Yonghong; Zhang, Yuanlin; Yuan, Han		578	OS T3.4	You Ought to Look Around: Precise, Large Span Action Detection
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Chen, Shengjia; Li, Zhixin; Huang, Feicheng; Zhang, Canlong; Ma, Huifang		980	OS T3.5	Object Detection Using Dual Graph Network
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Wang, Jinwang; Yang, Wen; Guo, Haowen; Zhang, Ruixiang; Xia, Gui-Song		1079	OS T3.5	Tiny Object Detection in Aerial Images
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Wang, Yunlong; Zhang, Kunbo; Sun, Zhenan		775	OS T3.6	A Novel Deep-Learning Pipeline for Light Field Image Based Material Recognition
DAY 2 – Jan 13, 2021										
Track2: Text Understanding and Character Recognition	PS T4.2	Poster	Gather Town	12:00 PM	1:00 PM	Homa Davoudi	Homa.Davoudi@iit.it			
DAY 2 – Jan 13, 2021						Wang, Yue; Xu, Zhuo; Wan, Yao; Bai, Lu; Cui, Lixin; Zhao, Qian; Hancock, Edwin; Yu, Philip		77		Cross-Supervised Joint-Event-Extraction with Heterogeneous Information Networks

DAY 2 – Jan 13, 2021					Wu, Xiaomeng; Kimura, Akisato; Kashino, Kunio; Uchida, Seiichi	364	Total Whitening for Online Signature Verification Based on Deep Representation
DAY 2 – Jan 13, 2021					Ru, Wang; Li, Lin; Wang, Peipei; Tao, Xiaohui; Peiyu, Liu	429	Feature-Aware Unsupervised Learning with Joint Variational Attention and Automatic Clustering
DAY 2 – Jan 13, 2021					Zhou, Pengfei; Bai, Cong; Ying, Kaining; Xia, Jie; Huang, Lixin	440	RWMF: A Real-World Multimodal Foodlog Database
DAY 2 – Jan 13, 2021					li, xin; Wang, Xiangfeng; Jin, Bo; Zhang, Wenjie; Wang, Jun; Zha, Hongyuan	643	VSb ² -Net: Visual-Semantic Bi-Branch Network for Zero-Shot Hashing
DAY 2 – Jan 13, 2021					Li, Yonggang; Zhou, Yafeng; Wang, Yongtao; Qin, Xiaoran; Tang, Zhi	719	Dual Loss for Manga Character Recognition with Imbalanced Training Data
DAY 2 – Jan 13, 2021					Wu, Changjie; Wang, Qing; Zhang, Jianshu; Du, Jun; Wang, Jiaming; wu, jiajia; Hu, Jin-Shui	905	Stroke Based Posterior Attention for Online Handwritten Mathematical Expression Recognition
DAY 2 – Jan 13, 2021					Chen, Zhuo; Yin, Fei; Zhang, Xu-Yao; Yang, Qing; Liu, Cheng-Lin	953	Cross-Lingual Text Image Recognition Via Multi-Task Sequence to Sequence Learning
DAY 2 – Jan 13, 2021					Lu, Xi; Huang, Lin-Lin; Yin, Fei	1041	Cut and Compare: End-To-End Offline Signature Verification Network
DAY 2 – Jan 13, 2021					Yang, Chen; Wang, Qing; Du, Jun; Zhang, Jianshu; Wu, Changjie; Wang, Jiaming	1064	A Transformer-Based Radical Analysis Network for Chinese Character Recognition
DAY 2 – Jan 13, 2021					Wan, Qian; Zou, Qin	1091	Learning Metric Features for Writer-Independent Signature Verification Using Dual Triplet Loss
DAY 2 – Jan 13, 2021					Kieu, Thanh Binh; Jauregi Unanue, Inigo; Pham, Son Bao; Phan, Xuan-Hieu; Piccardi, M.	1161	Learning Neural Textual Representations for Citation Recommendation
DAY 2 – Jan 13, 2021					Li, Yunqing; Zhu, Yixing; Du, Jun; Wu, Changjie; Zhang, Jianshu	1173	Radical Counter Network for Robust Chinese Character Recognition
DAY 2 – Jan 13, 2021					Saini, Naveen; Kumar, Sushil; Saha, Sriparna; Bhattacharyya, Pushpak	1202	Exploring Graph-based Feature for Scientific Document Summarization using Evolutionary Framework
DAY 2 – Jan 13, 2021					Yu, Wenwen; Lu, Ning; Qi, Xianbiao; Gong, Ping; Xiao, Rong	1219	PICK: Processing Key Information Extraction from Documents Using Improved Graph Learning-Convolutional Networks
DAY 2 – Jan 13, 2021					Yan, Zuoyu; Zhang, Xiaode; Gao, Liangcai; yuan, ke; Tang, Zhi	1263	ConvMath : A Convolutional Sequence Network for Mathematical Expression Recognition
DAY 2 – Jan 13, 2021					Pang, Nuo; Yang, Chun; Zhu, Xiaobin; Li, Jixuan; Yin, Xu-Cheng	1285	Global Context-Based Network with Transformer for Image2latex
DAY 2 – Jan 13, 2021					Wei, Dafeng; Lu, Hongtao; Zhou, Yi; Chen, Kai	1407	Image-based table cell detection: a new dataset and an improved detection method
DAY 2 – Jan 13, 2021					Anh, Nguyen Dang; Hoang, Duc-Thanh; Tran, Quang Bach; Pan, Chih-Wei; Nguyen, Thanh-Dat	1431	End-To-End Hierarchical Relation Extraction for Generic Form Understanding
DAY 2 – Jan 13, 2021					Choi, Hyunjin; Kim, Judong; Joe, Seongho; Gwon, Youngjune	1492	Evaluation of BERT and ALBERT Sentence Embedding Performance on Downstream NLP Tasks
DAY 2 – Jan 13, 2021					Lee, Hyunjae; Yun, Jaewoong; Hwang, Bongkyu; Joe, Seongho; Min, Seungjai; Gwon, Youngjune	1510	KoreALBERT: Pretraining a Lite BERT Model for Korean Language Understanding
DAY 2 – Jan 13, 2021					Nandanwar, Lokesh; Palaiahnakote, Shivakumara; Sayani, Kundu; Pal, Umapada; Lu, Tong; Lopresti, Daniel	1808	Chebyshev-Harmonic-Fourier-Moments and Deep CNNs for Detecting Forged Handwriting
DAY 2 – Jan 13, 2021					Luo, Junyu; Wang, Jinpeng; Lin, Chin-Yew	1857	Hybrid Cascade Point Search Network for High Precision Chart Component Detection
DAY 2 – Jan 13, 2021					Cheong, Marc; Alfano, Mark	1933	To Honor Our Heroes: Analysis of the Obituaries of Australians Killed in Action in WWI and WWII
DAY 2 – Jan 13, 2021					Huang, Danqing; Wang, Jinpeng; Wang, Guoxin; Lin, Chin-Yew	2099	Visual Style Extraction from Chart Images for Chart Restyling
DAY 2 – Jan 13, 2021					Liu, Tengfei; Hu, Yongli; Gao, Junbin; Sun, Yanfeng; Yin, Baocai	2294	Zero-Shot Text Classification with Semantically Extended Graph Convolutional Network
DAY 2 – Jan 13, 2021					Xin, Yuan; Xu, Linli; Guo, Junliang; Li, Jiquan; Sheng, Xin; Zhou, Yuanyuan	2456	Label Incorporated Graph Neural Networks for Text Classification
DAY 2 – Jan 13, 2021					Choi, Hyunjin; Kim, Judong; Joe, Seongho; Min, Seungjai; Gwon, Youngjune	2648	Analyzing Zero-shot Cross-lingual Transfer in Supervised NLP Tasks

DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021						Carbonell, Manuel; Riba, Pau; Villegas, Mauricio; Fornés, Alicia; Lladós, Josep		2659	OS T4.1	Named Entity Recognition and Relation Extraction with Graph Neural Networks in Semi Structured Documents
DAY 1 – Jan 12, 2021- DAY 2 – Jan 13, 2021						Agarwal, Madhav; Mondal, Ajoy; Jawahar, C. V.		2621	OS T4.1	CDeC-Net: Composite Deformable Cascade Network for Table Detection in Document Images
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Qian, Xijun; Liu, Yifan; Yang Yu-Bin		924	OS T 4.2	An Accurate Threshold Insensitive Kernel Detector for Arbitrary Shaped Text
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Dasgupta, Kinjal; Das, Sudip; Bhattacharya, Ujjwal		955	OS T 4.2	Stratified Multi-Task Learning for Robust Spotting of Scene Texts
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Chen, Yudi; Wang, Wei; Zhou, Yu; Yang, Fei; Yang, Dongbao; Wang, Weiping		407	OS T 4.2	Self-Training for Domain Adaptive Scene Text Detection
DAY 2 – Jan 13, 2021										
Track 5: Imaging and Deep Image Processing	PS T5.3	Poster	Gather Town	12:00 PM	1:00 PM	Ismail Elezi	ismail.elezi@gmail.com			
DAY 2 – Jan 13, 2021						Khadangi, Afshin; Boudier, Thomas; Rajagopal, Vijay		8		EM-Net: Deep Learning for Electron Microscopy Image Segmentation
DAY 2 – Jan 13, 2021						Xiangxiang, Chu; Zhang, Bo; Ma, Hailong; Xu, Ruijun; Li, Qingyuan		14		Fast, Accurate and Lightweight Super-Resolution with Neural Architecture Search
DAY 2 – Jan 13, 2021						Ye, Huanran; Liu, Sheng; Jin, Kun; Cheng, Haohao		46		CT-UNet: An Improved Neural Network Based on U-Net for Building Segmentation in Remote Sensing Images
DAY 2 – Jan 13, 2021						Mei, Ling; Lai, Jian-huang; Feng, Zhanxiang; Xie, Xiaohua		346		Open-World Group Retrieval with Ambiguity Removal: A Benchmark
DAY 2 – Jan 13, 2021						Zeng, Haien; Lai, Hanjiang		430		Controllable Face Aging
DAY 2 – Jan 13, 2021						Chen, Wei; Wang, Qiuli; Wang, Kun; Yang, Dan; Zhang, Xiaohong; Liu, Chen; Li, Yucong		453		MTGAN: Mask and Texture-Driven Generative Adversarial Network for Lung Nodule Segmentation
DAY 2 – Jan 13, 2021						Han, Chuanki; Huang, Ruoran; Yu, Fang; Huang, Xi; Cui, Li		458		EasiECG: A Novel Inter-Patient Arrhythmia Classification Method Using ECG Waves
DAY 2 – Jan 13, 2021						Yamashita, Yukihiko; Wakahara, Toru		479		Stabilized Calculation of Gaussian Smoothing and Its Differentials Using Attenuated Sliding Fourier Transform
DAY 2 – Jan 13, 2021						Niankai, Cheng; Huang, Hua; Zhang, Lei; Wang, Lizhi		505		Snapshot Hyperspectral Imaging Based on Weighted High-Order Singular Value Regularization
DAY 2 – Jan 13, 2021						Li, Zhixin; Ling, Feng; Xu, Chuansheng; Zhang, Canlong; Ma, Huifang		510		Cross-Media Hash Retrieval Using Multi-head Attention Network
DAY 2 – Jan 13, 2021						Song, Tiecheng; Feng, Jie; Wang, Yuanlin; Gao, Chenqiang		513		Color Texture Description Based on Holistic and Hierarchical Order-Encoding Patterns
DAY 2 – Jan 13, 2021						Zhang, Tiange; Gao, Ying; Gao, Feng; Qi, Lin; Dong, Junyu		544		Arbitrary Style Transfer with Parallel Self-Attention
DAY 2 – Jan 13, 2021						Kang, Dong-Goo; park, sangwoo; Paik, Joonki		564		Coarse to Fine: Progressive and Multi-Task Learning for Salient Object Detection
DAY 2 – Jan 13, 2021						Suzuki, Keito; ikehara, masaaki		565		Residual Learning of Video Frame Interpolation Using Convolutional LSTM
DAY 2 – Jan 13, 2021						Zhang, Haojie; Yang, Gongping; Huang, Yuwen; Yuan, Feng; Yin, Yilong		571		Multi-Scale and Attention Based ResNet for Heartbeat Classification
DAY 2 – Jan 13, 2021						Qin, Jianyang; Fei, Lunke; Teng, Shaohua; Zhang, Wei; Dongning, Liu; Zhao, Genping; Yuan, Haoliang		575		Discrete Semantic Matrix Factorization Hashing for Cross-Modal Retrieval
DAY 2 – Jan 13, 2021						Sun, Shuming; Li, Xiaoqiang; Li, Jide		580		UCCTGAN: Unsupervised Clothing Color Transformation Generative Adversarial Network
DAY 2 – Jan 13, 2021						Gu, Jiahang; Qu, Zhaowei; Wang, Xiaoru; Dan, Jiawang; Sun, Junwei		585		Residual Fractal Network for Single Image Super Resolution by Widening and Deepening
DAY 2 – Jan 13, 2021						Tang, Hui; Wang, Bin; Zhou, Jun; Gao, Yongsheng		810		DE-Net: Dilated Encoder Network for Automated Tongue Segmentation
DAY 2 – Jan 13, 2021						Zheng, Xiaoyang; Tan, Xin; Guo, Jianming; Ma, Lizhuang		2377		Learning Object Deformation and Motion Adaption for Semi-Supervised Video Object Segmentation
DAY 2 – Jan 13, 2021						Zhang, Can; Liu, Hong; Guo, wei; Ye, Mang		2385		Multi-Scale Cascading Network with Compact Feature Learning for RGB-Infrared Person Re-Identification
DAY 2 – Jan 13, 2021						Ha, Thi Phuong Thao; Balamurali, BT; Dorien, Herremans; Gemma, Roig		2392		AttendAffectNet: Self-Attention based Networks for Predicting Affective Responses from Movies

DAY 2 – Jan 13, 2021						Xu, Rui; Wang, Yi; Liu, Tiantian; Ye, Xinchen; Lin, Lin; Chen, Yen-wei; Kido, Shoji; Tomiyama, Noriyuki			2415		BG-Net: Boundary-Guided Network for Lung Segmentation on Clinical CT Images
DAY 2 – Jan 13, 2021						Ye, Xinchen; Xu, Yuyao; Xu, Rui; Kido, Shoji; Tomiyama, Noriyuki			2416		Detail-Revealing Deep Low-Dose CT Reconstruction
DAY 2 – Jan 13, 2021						Li, Chao; Zhang, Qian; Zhao, Ziping			2434		Exploring Spatial-Temporal Representations for fNIRS-based Intimacy Detection via Attention-enhanced Cascade Convolutional Recurrent Neural Network
DAY 2 – Jan 13, 2021						Lin, Qinghong; Zhong, Weichan; Lu, Jianglin			2440		Deep Superpixel Cut for Unsupervised Image Segmentation
DAY 2 – Jan 13, 2021						Li, Qiang; Dai, Tao; Xia, Shutao			2452		Progressive Splitting and Upscaling Structure for Super-Resolution
DAY 2 – Jan 13, 2021						Deng, YiPeng; Liu, Qin; Ikenaga, Takeshi			2475		Selective Kernel and Motion-Emphasized Loss Based Attention-Guided Network for HDR Imaging of Dynamic Scenes
DAY 2 – Jan 13, 2021						Xu, Rui; Cao, Xiao; Wang, Yufeng; Chen, Yen-wei; Ye, Xinchen; Lin, Lin; Zhu, Wenchao; Chen, Chao; Xu, Fangyi; Zhou, Yong; Hu, Hongjie; Kido, Shoji; Tomiyama, Noriyuki			2486		Unsupervised Detection of Pulmonary Opacities for Computer-Aided Diagnosis of COVID-19 on CT Images
DAY 2 – Jan 13, 2021						Rosas-Arias, Leonel; Benitez-Garcia, Gibran; Portillo-Portillo, Jose; Sanchez-Perez, Gabriel; Yanai, Keiji			738		Fast and Accurate Real-Time Semantic Segmentation with Dilated Asymmetric Convolutions
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021						Soh, Jae Woong; Cho, Nam Ik		OS T5.3	387		Deep Universal Blind Image Denoising
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021						Iwai, Shoma; Miyazaki, Tomo; Sugaya, Yoshihiro; Omachi, Shinichiro		OS T5.4	2261		Fidelity-Controllable Extreme Image Compression with Generative Adversarial Networks
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Luo, Jiaqi; zhao, zhicheng; Su, Fei; Guo, Limei		OS T5.5	553		Triplet-Path Dilated Network for Detection and Segmentation of General Pathological Images
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Chen, Wei; Wang, Qiuli; Yang, Dan; Zhang, Xiaohong; Liu, Chen; Li, Yucong		OS T5.5	1862		End-To-End Multi-Task Learning for Lung Nodule Segmentation and Diagnosis
DAY 2 – Jan 13, 2021											
Demo 2:Tracking, Detection and Surveillance	DEMO 2	Demo	Gather Town	12:00 PM	1:00 PM	Lorenzo Baraldi, Lorenzo Seidenari	lorenzo.baraldi@unimore.it, lorenzo.seidenari@unifi.it				
DAY 2 – Jan 13, 2021						Francesco Marchetti Federico Becattini Lorenzo Seidenari Alberto Del Bimbo			D2.1		Multimodal trajectory prediction in the CARLA simulator
DAY 2 – Jan 13, 2021						Guo Cheng, Jiang Yu Zheng			D2.2		Semantic Segmentation for Pedestrian Detection from Motion in Temporal Domain
DAY 2 – Jan 13, 2021						Yumna Zahid, Muhammad A. Tahir, Mohammad Samran Elahi, Mohsin Ali, and Muhammad N. Durrani			D2.3		Suspicious Activity Detection
DAY 2 – Jan 13, 2021						Matteo Fabbri, Fabio Lanzi, Riccardo Gasparini, Simone Calderara, Lorenzo Baraldi and Rita Cucchiara			D2.4		Inter-Homines: Distance-Based Risk Estimation
DAY 2 – Jan 13, 2021						Jakob Valtl, Javier Mendez, Manuel Pegalajar Cuellar, Vadim Issakov			D2.5		Autonomous Platform based on Small-Scale Car for Versatile Data Collection and Algorithm Verification
DAY 2 – Jan 13, 2021						Dominika Przewlocka-Rus, Daniel Gacek, Tomasz Kryjak			D2.6		Hardware-software Implementation of quantised Siamese Neural Networks for Energy Efficient Real-Time Object Tracking – a demo
DAY 2 – Jan 13, 2021						Vincenzo Carletti, Antonio Greco, Alessia Saggese, Mario Vento			D2.7		Deep Learning based video analytics solutions running on board of smart cameras
DAY 2 – Jan 13, 2021											
	KE 3	Maria Petrou Award	Main Stage	1:00 PM	2:00 PM	Michal Irani	michal.irani@weizmann.ac.il				
		Keynote				Maja Pantic					Emotional AI, Faces & Deep Fakes

DAY 2 – Jan 13, 2021	BR 4	Interlude		2:00 PM	2:30 PM					Visiting Milan
DAY 2 – Jan 13, 2021										
Track 1: Machine Learning and Features for Pattern Analysis	OS T1.4	Oral	Live	2:00 PM	3:00 PM	Jenny Benois-Pineau, Cosimo Distante	jenny.benois-pineau@u-bordeaux.fr, cosimo.distante@cnr.it			
DAY 2 – Jan 13, 2021			Live			Piao, Xinglin; Hu, Yongli; Gao, Junbin; Sun, Yanfeng; Yang, Xin; Yin, Baocai		2596	PS T1.2	A Spectral Clustering on Grassmann Manifold via Double Low Rank Constraint
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Fang, Jiansheng; Zhang, Xiaoqing; Hu, Yan; Xu, Yanwu; Yang, Ming; Liu, Jiang		19	PS T1.4	Probabilistic Latent Factor Model for Collaborative Filtering with Bayesian Inference
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Shen, Shibo; Li, Rongpeng; Zhao, Zhifeng; Zhang, Honggang; Zhou, Yugeng		435	PS T1.4	Learning to Prune in Training via Dynamic Channel Propagation
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Su, Xinxing; Yuan, Yuchen; Su, Xiangbo; Zou, Zhikang; wen, shilei; Zhou, Pan		2124	PS T1.4	HANet: Hybrid Attention-Aware Network for Crowd Counting
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			König, Gunnar; Molnar, Christoph; Bischl, Bernd; Grosse-Wentrup, Moritz		2572	PS T1.8	Relative Feature Importance
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Sheikhi, Ghazal; Altincay, Hakan		2581	PS T1.8	Supervised Feature Embedding for Classification by Learning Rank-Based Neighborhoods
DAY 2 – Jan 13, 2021										
Track 3: Computer Vision, Robotics and Tracking	OS T3.2	Oral	Live	2:00 PM	3:00 PM	Federico Pernici, Fabio Poiesi	federico.pernici@unifi.it, poiesi@fbk.eu			
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Li, Zhenxi; Bilodeau, Guillaume-Alexandre; Bouachir, Wassim		2308	PS T3.6	MFST: Multi-Features Siamese Tracker
DAY 2 – Jan 13, 2021 - DAY 3 – Jan 14, 2021			Live			He, Ye; Zhu, Chao; Yin, Xu-Cheng		2316	PS T3.8	Mutual-Supervised Feature Modulation Network for Occluded Pedestrian Detection
DAY 2 – Jan 13, 2021 - DAY 3 – Jan 14, 2021			Live			Bian, Tianling; Hua, Yang; Song, Tao; Xue, Zhengui; Ma, Ruhui; Robertson, Neil; Guan, Haibing		2643	PS T3.8	VTT: Long-term Visual Tracking with Transformers
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Bigazzi, Roberto; Landi, Federico; Cornia, Marcella; Cascianelli, Silvia; Baraldi, Lorenzo; Cucchiara, Rita		483	PS T3.5	Explore and Explain: Self-Supervised Navigation and Recounting
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Bhandari, Keshav; Zong, Ziliang; Yan, Yan		2255	PS T3.6	Revisiting Optical Flow Estimation in 360 Videos
DAY 2 – Jan 13, 2021 - DAY 3 – Jan 14, 2021			Live			Li, Wenxi; Cao, Zhuoqun; Wang, Qian; Chen, Songjian; Feng, Rui		405	PS T3.7	Learning Error-Driven Curriculum for Crowd Counting
DAY 2 – Jan 13, 2021										
Track 5: Image processing and Denoising	OS T5.3	Oral	Live	2:00 PM	3:00 PM	Fabrizio Falchi, Marco Bertini	fabrizio.falchi@cnr.it, marco.bertini@unifi.it			
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Kerepecky, Tomas; Sroubek, Filip		2269	PS T5.4	D3Net: Joint Demosaicking, Deblurring and Deringing
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Liu, Xiaofeng; Jin, Linghao; Han, Xu; Lu, Jun; You, Jane; Kong, Lingsheng		2066	PS T5.4	Identity-Aware Facial Expression Recognition in Compressed Video
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Soh, Jae Woong; Cho, Nam Ik		387	PS T5.3	Deep Universal Blind Image Denoising
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Mithun, Niluthpol; Pasricha, Ravdeep; Papalexakis, Evangelos; Roy-Chowdhury, Amit		2055	PS T5.4	Webly Supervised Image-Text Embedding with Noisy Tag Refinement
DAY 2 – Jan 13, 2021 - DAY 2 - Jan 13, 2021			Live			Khryashchev, Denis; Vo, Huy; Haralick, Robert		1742	PS T5.4	Partially Monotone Dependence
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021			Live			Graffieti, Gabriele; Maltoni, Davide		1397	PS T5.4	Towards Artifacts-Free Image Defogging
DAY 2 - Jan 13, 2021										
Track 1: Pattern Recognition and Neural Network Applications-Poster	PS T1.5	Poster	Gather Town	2:00 PM	3:00 PM	Roberto Vezzani	roberto.vezzani@unimore.it			
DAY 2 - Jan 13, 2021						Santaacruz Muñoz, Jose Luis; Serratos, Francesc		9		Incorporating a Graph-Matching Algorithm into a Muscle Mechanics Model

DAY 2 - Jan 13, 2021					Kao, Peng-Yuan; Lei, Yan-Jing; Chang, Chia-Hao; Chen, Chu-Song; Lee, Ming-Sui; Hung, Yi-Ping	21	Activity Recognition Using First-Person-View Cameras Based on Sparse Optical Flows
DAY 2 - Jan 13, 2021					Jia, Bin-Bin; Zhang, Min-Ling	35	MD-kNN: An Instance-Based Approach for Multi-Dimensional Classification
DAY 2 - Jan 13, 2021					Godi, Marco; Joppi, Christian; Giachetti, Andrea; Cristani, Marco	10	SIMCO: SIMilarity-Based Object COuting
DAY 2 - Jan 13, 2021					Durall, Ricard; Pfreundt, Franz-Josef; Keuper, Janis	25	Local Facial Attribute Transfer through Inpainting
DAY 2 - Jan 13, 2021					Paolanti, Marina; Frontoni, Emanuele; Gioacchini, Giorgia; Elisabetta, Giorgini; Valentina, Notarstefano; Carlotta, Zacà; Oliana, Carnevali; Borini, Andrea; Mamei, Marco	58	Automatic Classification of Human Granulosa Cells in Assisted Reproductive Technology Using Vibrational Spectroscopy Imaging
DAY 2 - Jan 13, 2021					Cai, Linhang; An, Zhulin; Yang, Chuanguang; Xu, Yongjun	60	Softer Pruning, Incremental Regularization
DAY 2 - Jan 13, 2021					Chen, Yangbin; MA, YUN; Ko, Tom; WANG, JIANPING; Li, Qing	106	MetaMix: Improved Meta-Learning with Interpolation-based Consistency Regularization
DAY 2 - Jan 13, 2021					Ferreira Jr., Álvaro Roberto; de Rosa, Gustavo Henrique; Papa, Joao Paulo; Carneiro, Gustavo; Faria, Fabio Augusto	108	Creating Classifier Ensembles through Meta-Heuristic Algorithms for Aerial Scene Classification
DAY 2 - Jan 13, 2021					Chen, Zhuo; Guan, Tao; Luo, Yawei; Wang, Yuesong; Luo, Keyang; Xu, Luoyuan	118	PC-Net: A Deep Network for 3D Point Clouds Analysis
DAY 2 - Jan 13, 2021					Ofir, Nati; Keller, Joseph	1	Multi-scale Processing of Noisy Images using Edge Preservation Losses
DAY 2 - Jan 13, 2021					Fuhl, Wolfgang; Rong, Yao; Kasneci, Enkelejda	42	Fully Convolutional Neural Networks for Raw Eye Tracking Data Segmentation, Generation, and Reconstruction
DAY 2 - Jan 13, 2021					Deng, Xiang; Zhang, Zhongfei	43	Is the Meta-Learning Idea Able to Improve the Generalization of Deep Neural Networks on the Standard Supervised Learning?
DAY 2 - Jan 13, 2021					Lan, Sheng; Guo, Zhenhua	47	A Joint Super-Resolution and Deformable Registration Network for 3D Brain Images
DAY 2 - Jan 13, 2021					Matsumi, Susumu; Yamada, Keiichi	54	Few-Shot Learning Based on Metric Learning Using Class Augmentation
DAY 2 - Jan 13, 2021					Yang, Shuai; Zhu, Wenqi; Zhu, Yuesheng	64	Sparse-Dense Subspace Clustering
DAY 2 - Jan 13, 2021					Yu, Fang; Han, Chuanqi; Wang, Pengcheng; Huang, Ruoran; Huang, Xi; Cui, Li	70	HFP: Hardware-Aware Filter Pruning for Deep Convolutional Neural Networks Acceleration
DAY 2 - Jan 13, 2021					Webster, Ryan; Rabin, Julien; Simon, Loic; Jurie, Frederic	73	Generating Private Data Surrogates for Vision Related Tasks
DAY 2 - Jan 13, 2021					Li, Lei; Dong, Yuan; Bai, Hongliang	83	Spatial-Related and Scale-Aware Network for Crowd Counting
DAY 2 - Jan 13, 2021					Meng, Lingheng; Gorbet, Rob; Kulić, Dana	90	The Effect of Multi-Step Methods on Overestimation in Deep Reinforcement Learning
DAY 2 - Jan 13, 2021					Ohkawa, Takehiko; Inoue, Naoto; Kataoka, Hirokatsu; Inoue, Nakamasa	93	Augmented Cyclic Consistency Regularization for Unpaired Image-To-Image Translation
DAY 2 - Jan 13, 2021					Lin, Jinghuang; Zhanzhan, Cheng; Bai, Fan; Niu, Yi; Pu, Shiliang; Zhou, Shuigeng	95	Text Recognition in Real Scenarios with a Few Labeled Samples
DAY 2 - Jan 13, 2021					Cancela, Brais; Bolon-Canedo, Veronica; Alonso-Betanzos, Amparo	101	A Delayed Elastic-Net Approach for Performing Adversarial Attacks
DAY 2 - Jan 13, 2021					Kwon, Hyuk Jin; Koo, Hyung Il; Cho, Nam Ik	103	Improving Explainability of Integrated Gradients with Guided Non-Linearity
DAY 2 - Jan 13, 2021					Cancela, Brais; Bolon-Canedo, Veronica; Alonso-Betanzos, Amparo	104	Can Data Placement Be Effective for Neural Networks Classification Tasks? Introducing the Orthogonal Loss
DAY 2 - Jan 13, 2021					Ju, Xinbo; Shao, Shuo; Long, Huan; wang, weizhe	110	Nearest Neighbor Classification Based on Activation Space of Convolutional Neural Network
DAY 2 - Jan 13, 2021					Guo, Xifeng; Liu, Jiyuan; Zhou, Sihang; Zhu, En; Dong, Shihao	332	Image Representation Learning by Transformation Regression

DAY 2 - Jan 13, 2021						Algabli, Shaima; Serratos, Francese		12		Learning Graph Matching Substitution Weights Based on a Linear Regression
DAY 1 – Jan 12, 2021 - DAY 2 Jan 13, 2021						Liu, Huikang; Wang, Xiaolu; Li, Jiajin; So, Man-Cho Anthony		710	OS T1.2	Low-Cost Lipschitz-Independent Adaptive Importance Sampling of Stochastic Gradients
DAY 1 – Jan 12, 2021 - DAY 2 Jan 13, 2021						Park, Jaewoo; Jung, Yoon Gyo; Teoh, Andrew		1965	OS T1.2	Discriminative Multi-Level Reconstruction under Compact Latent Space for One-Class Novelty Detection
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021						Paoletti, Giancarlo; Cavazza, Jacopo; Beyan, Cigdem; Del Bue, Alessio		1649	OS T1.3	Subspace Clustering for Action Recognition with Covariance Representations and Temporal Pruning
DAY 2 – Jan 13, 2021							enver.sanginet@unitn.it			
Track 1: AI and Deep Neural Networks	PS T1.6	Poster	Gather Town	2:00 PM	3:00 PM	Enver Sangineto				
DAY 2 – Jan 13, 2021						Thakur, Shailja; Fischmeister, Sebastian		1150		A Generalizable Saliency Map-Based Interpretation of Model Outcome
DAY 2 – Jan 13, 2021						Hyodo, Ryosuke; Nakano, Teppei; Ogawa, Tetsuji		1156		Feature Representation Learning for Calving Detection of Cows Using Video Frames
DAY 2 – Jan 13, 2021						Martinazzo, Ana; Espadoto, Mateus; Hirata, Nina S. T.		1167		Self-Supervised Learning for Astronomical Image Classification
DAY 2 – Jan 13, 2021						He, Jia; Cheng, Maggie		1176		Graph Convolutional Neural Networks for Power Line Outage Identification
DAY 2 – Jan 13, 2021						Wu, Haoxue; Huang, Huaibo; Yu, Aijing; Cao, Jie; Lei, Zhen; He, Ran		1177		Exemplar Guided Cross-Spectral Face Hallucination Via Mutual Information Disentanglement
DAY 2 – Jan 13, 2021						Hou, Jian; Qi, Nai-Ming		1179		Efficient Game-Theoretic Hypergraph Matching
DAY 2 – Jan 13, 2021						Yin, Junhui; Zhang, Siqing; Chang, Dongliang; Ma, Zhanyu; Guo, Jun		1183		Dual-Attention Guided Dropblock Module for Weakly Supervised Object Localization
DAY 2 – Jan 13, 2021						Hong, Hanbin; Bao, Wentao; Hong, Yuan; Kong, Yu		1187		Privacy Attributes-Aware Message Passing Neural Network for Visual Privacy Attributes Classification
DAY 2 – Jan 13, 2021						Welke, Pascal; Alkhoury, Fouad; Bauckhage, Christian; Wrobel, Stefan		1190		Decision Snippet Features
DAY 2 – Jan 13, 2021						Wang, Changhao; Zhou, Jun; Duan, Xianfei; Zhang, Guanwen; Zhou, Wei		1199		Recurrent Deep Attention Network for Person Re-Identification
DAY 2 – Jan 13, 2021						Kim, Byung Hyung; Suh, Yoon-Je; Lee, Honggu; Jo, Sungho		1216		Nonlinear Ranking Loss on Riemannian Potato Embedding
DAY 2 – Jan 13, 2021						Okimoto, Yusuke; Kawata, Soshi; Saito, Susumu; Nakano, Teppei; Ogawa, Tetsuji		1217		Crowdsourced Verification for Operating Calving Surveillance Systems at an Early Stage
DAY 2 – Jan 13, 2021						Yang, Jingwen; Zhang, Guanwen; Yan, Jiaming; Zhou, Wei		1220		TSMSAN: A Three-Stream Multi-Scale Attentive Network for Video Saliency Detection
DAY 2 – Jan 13, 2021						Yuan, Yong; Chen, Chen; Hu, Xiyuan; Peng, Silong		1222		Towards Low-Bit Quantization of Deep Neural Networks with Limited Data
DAY 2 – Jan 13, 2021						Liao, Wen-Hung; Huang, Yen-Ting		1227		Investigation of DNN Model Robustness Using Heterogeneous Datasets
DAY 2 – Jan 13, 2021						Zhou, Hongli; Chen, Xiaolei; Zhang, Guanwen; Zhou, Wei		1238		Deep Reinforcement Learning for Autonomous Driving by Transferring Visual Features
DAY 2 – Jan 13, 2021						Arvidsson, Ida; Overgaard, Niels Christian; Ochoa Figueroa, Miguel; Rose, Jeronimo; Davidsson, Anette; Åström, Kalle; Heyden, Anders		1239		Prediction of Obstructive Coronary Artery Disease from Myocardial Perfusion Scintigraphy using Deep Neural Networks
DAY 2 – Jan 13, 2021						Kawano, Yuriko; Saito, Susumu; Nakano, Teppei; Kondo, Ikumi; Yamazaki, Ryota; Kusaka, Hiromi; Sakaguchi, Minoru; Ogawa, Tetsuji		1241		Toward Building a Data-Driven System For Detecting Mounting Actions of Black Beef Cattle
DAY 2 – Jan 13, 2021						Tomasi, Federico; Tozzo, Veronica; Barla, Annalisa		1246		Temporal Pattern Detection in Time-Varying Graphical Models
DAY 2 – Jan 13, 2021						Kushawaha, Ravi Kumar; Kumar, Saurabh; Banerjee, Biplab; Velmurugan, Rajbabu		1254		Distilling Spikes: Knowledge Distillation in Spiking Neural Networks
DAY 2 – Jan 13, 2021						Uehara, Kazuki; Murakawa, Masahiro; Nosato, Hirokazu; Sakanashi, Hidenori		1259		Explainable Feature Embedding Using Convolutional Neural Networks for Pathological Image Analysis

DAY 2 – Jan 13, 2021						Sun, Tao; Xu, Yongjun; Wang, Fei; Wu, Lin; Qian, Tangwen; Shao, Zezhi		1268		Trajectory-User Link with Attention Recurrent Networks
DAY 2 – Jan 13, 2021						Zhao, Ruohan; Li, Qin; You, Jane		1276		Robust Localization of Retinal Lesions Via Weakly-Supervised Learning
DAY 2 – Jan 13, 2021						Kim, Jangho; Hyun, Minsung; Chung, Inseop; Kwak, Nojun		1277		Feature Fusion for Online Mutual Knowledge Distillation
DAY 2 – Jan 13, 2021						He, Xinxing; Yuan, Yuan; Jiang, Zhiyu		1279		Open Set Domain Recognition Via Attention-Based GCN and Semantic Matching Optimization
DAY 2 – Jan 13, 2021						Wu, Yue; Ni, Hao; Lyons, Terry; Hudson, Robin		1287		Signature Features with the Visibility Transformation
DAY 2 – Jan 13, 2021						Grosse, Kathrin; Smith, Michael		1293		Killing Four Birds with One Gaussian Process: The Relation between Different Test-Time Attacks
DAY 2 – Jan 13, 2021						García López, Javier; Agudo, Antonio; Moreno-Noguer, Francesc		1294		E-DNAS: Differentiable Neural Architecture Search for Embedded Systems
DAY 2 – Jan 13, 2021						mitra, Sayantan; Saha, Sriparna		1296		A Multi-Task Multi-View Based Multi-Objective Clustering Algorithm
DAY 2 – Jan 13, 2021						Shiran, Guy; Weinshall, Daphna		1298		Multi-Modal Deep Clustering: Unsupervised Partitioning of Images
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021						Dornaika, Fadi; Khoder Ahmad		912	OS T1.3	Linear Embedding by Joint Robust Discriminant Analysis and Inter-class Sparsity
DAY 1 – Jan 12, 2021 - DAY 2 Jan 13, 2021						Alliegro, Antonio; Boscaini, Davide; Tommasi, Tatiana		1863	OS T1.3	Joint Supervised and Self-Supervised Learning for 3D Real World Challenges
DAY 1 – Jan 12, 2021 - DAY 2 - Jan 13, 2021						McConville, Ryan; Santos-Rodriguez, Raul; Piechocki, Robert; Craddock, Ian		1410	OS T1.3	N2D: (Not Too) Deep Clustering Via Clustering the Local Manifold of an Autoencoded Embedding
DAY 2 – Jan 13, 2021										
Track 2: Human Activity and Biometrics	PS T2.3	Poster	Gather Town	2:00 PM	3:00 PM	Claudio Ferrari	claudio.ferrari@unifi.it			
DAY 2 – Jan 13, 2021						Leiva, Luis; Diaz, Moises; Ferrer, M.A.; Plamondon, Réjean		819		Human or Machine? It Is Not What You Write, but How You Write It
DAY 2 – Jan 13, 2021						Qasim, Tehreem; Fisher, Robert; Bhatti, Naeem		856		Ground-truthing Large Human Behavior Monitoring Datasets
DAY 2 – Jan 13, 2021						Orrù, Giulia; Micheletto, Marco; Terranova, Fabio; Marcialis, Gian Luca		880		Electroencephalography Signal Processing Based on Textural Features for Monitoring the Driver's State by a Brain-Computer Interface
DAY 2 – Jan 13, 2021						Jain, Yashswi; Sharma, Ashvini Kumar; Velmurugan, Rajbabu; Banerjee, Biplab		899		PoseCVAE: Anomalous Human Activity Detection
DAY 2 – Jan 13, 2021						Delussu, Rita; Putzu, Lorenzo; Fumera, Giorgio; Roli, Fabio		1088		Online Domain Adaptation for Person Re-Identification with a Human in the Loop
DAY 2 – Jan 13, 2021						Das Chakladar, Debashis; Dey, Shubhashis; Roy, Partha Pratim; Iwamura, Masakazu		1152		EEG-Based Cognitive State Assessment Using Deep Ensemble Model and Filter Bank Common Spatial Pattern
DAY 2 – Jan 13, 2021						Kessler, Roman; Henniger, Olaf; Busch, Christoph		2376		Fingerprints, Forever Young?
DAY 2 – Jan 13, 2021						Song, Yue; Bisagno, Niccolò; Hassan, Syed Zohaib; Conci, Nicola		2389		AG-GAN: An Attentive Group-Aware GAN for pedestrian trajectory prediction
DAY 2 – Jan 13, 2021						Ouda, Osama; Nandakumar, Karthik; Ross, Arun		2394		Cancelable Biometrics Vault: A Secure Key-Binding Biometric Cryptosystem Based on Chaffing and Winnowing
DAY 2 – Jan 13, 2021						Planamente, Mirco; Bottino, Andrea; Caputo, Barbara		2398		Self-Supervised Joint Encoding of Motion and Appearance for First Person Action Recognition
DAY 2 – Jan 13, 2021						Hernández-Carrascosa, Pablo; Penate-Sanchez, Adrian; Lorenzo, Javier; Freire Obregón, David; Castrillon-Santana, Modesto		2609		TGCRBNW: A Dataset for Runner Bib Number Detection (and Recognition) in the Wild
DAY 2 – Jan 13, 2021						Amrani, Hamza; Micucci, Daniela; Napoletano, Paolo		2674		Personalized Models in Human Activity Recognition Using Deep Learning
DAY 2 – Jan 13, 2021						Han, Jian; Karaoglu, Sezer; Le, Hoang-An; Gevers, Theo		2752		Object Features and Face Detection Performance: Analyses with 3D-Rendered Synthetic Data
DAY 2 – Jan 13, 2021						Mani, Sharmila; Rao, Madhav		2839		Feasibility Study of using MyoBand for Learning Electronic Keyboard
DAY 2 – Jan 13, 2021						Giuliani, Francesco; Hasan, Irtiza; Cristani, Marco; Galasso, Fabio		2872		Transformer Networks for Trajectory Forecasting
DAY 2 – Jan 13, 2021						Undri Innocenti, Simone; Becattini, Federico; Pernici, Federico; Del Bimbo, Alberto		2899		Temporal Binary Representation for Event-Based Action Recognition

DAY 2 – Jan 13, 2021						Chan, Chi Ho; Kittler, Josef		2912		Anglar Sparsemax for Face Recognition
DAY 2 – Jan 13, 2021						Akbari, Ali; Awais, Muhammad; Feng, Zhen-Hua; Farooq, Ammarah; Kittler, Josef		2982		A Flatter Loss for Bias Mitigation in Cross-dataset Facial Age Estimation
DAY 2 – Jan 13, 2021						Wimmer, Georg; Prommegger, Bernhard; Uhl, Andreas		105		Finger Vein Recognition and Intra-Subject Similarity Evaluation of Finger Veins Using the CNN Triplet Loss
DAY 2 – Jan 13, 2021						Papadopoulos, Konstantinos; ghorbel, Enjie; Aouada, Djamilia; Ottersten, Bjorn		114		Vertex Feature Encoding and Hierarchical Temporal Modeling in a Spatio-Temporal Graph Convolutional Network for Action Recognition
DAY 2 – Jan 13, 2021						Song, Siyang; Sanchez, Enrique; Shen, Linlin; Valstar, Michel		589		Self-Supervised Learning of Dynamic Representations for Static Images
DAY 2 – Jan 13, 2021						Bisogni, Carmen; Nappi, Michele; Pero, Chiara; Ricciardi, Stefano		612		HP2IFS: Head Pose Estimation Exploiting Partitioned Iterated Function Systems
DAY 2 – Jan 13, 2021						Wickrama Arachchilage, Samadhi Poornima Kumarasinghe; Izquierdo, Ebroul		628		ClusterFace: Joint Clustering and Classification for Set-Based Face Recognition
DAY 2 – Jan 13, 2021						Dentamaro, Vincenzo; Impedovo, Donato; PIRLO, Giuseppe		750		Fall Detection by Human Pose Estimation and Kinematic Theory
DAY 2 – Jan 13, 2021						Ghezaiel, Wajdi; Brun, Luc; lezozay, olivier		755		Hybrid Network for End-To-End Text-Independent Speaker Identification
DAY 2 – Jan 13, 2021						Madrigal, Francisco; Lerasle, Frederic; Pibre, Lionel; Ferrané, Isabelle		801		Audio-Video Detection of the Active Speaker in Meetings
DAY 2 – Jan 13, 2021						Lopez-Lopez, Eric; Regueiro, Carlos V.; Pardo, Xosé M.		813		An Adaptive Video-To-Video Face Identification System Based on Self-Training
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021						Wu, Yanhong; Zhang, Lijie; Chen, Guannan; Navarrete Michelini, Pablo		992	OS T2.2	Unconstrained Facial Expression Recognition Based on Cascade Decision and Gabor Filters
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Gu, Renshu; Wang, Gaoang; Hwang, Jenq-Neng		2263	OS T2.3	Exploring Severe Occlusion: Multi-Person 3D Pose Estimation with Gated Convolution
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Chen, Zerui; Huang, Yan; Wang, Liang		1456	OS T2.3	On the Robustness of 3D Human Pose Estimation
DAY 2 – Jan 13, 2021										
Challenge 3: The EndoTect 2020 Challenge	CH 3	Challenge	Live	2:00 PM	3:00 PM	Steven Hicks	steven@simula.no			
DAY 2 – Jan 13, 2021			Live			Steven A. Hicks et al.		CH3.1		The EndoTect 2020 Challenge: Evaluation and Comparison of Classification, Segmentation and Inference Time for Endoscopy
DAY 2 – Jan 13, 2021			Live			Adrian Galdran et al.		CH3.2		A Hierarchical Multi-Task Approach to Gastrointestinal Image Analysis
DAY 2 – Jan 13, 2021			Live			Zhipeng Luo et al.		CH3.3		Delving into High Quality Endoscopic Diagnoses
DAY 2 – Jan 13, 2021			Live			Zeshan Khan et al.		CH3.4		Medical Diagnostic by Data Bagging for Various Instances of Neural Network
DAY 2 – Jan 13, 2021			Live			Qi He et al.		CH3.5		Hybrid Loss with Network Trimming for Disease Recognition in Gastrointestinal Endoscopy
DAY 2 – Jan 13, 2021			Live			Nikhil Kumar Tomar et al.		CH3.6		DDANet: Dual Decoder Attention Network for Automatic Polyp Segmentation
DAY 2 – Jan 13, 2021			Live			Amartya Dutta et al.		CH3.7		Efficient Detection of Lesions during Endoscopy
DAY 2 – Jan 13, 2021										
	KE 4	Plenary 1	Main Stage	3:00 PM	4:00 PM	Nicu Sebe, Rita Cucchiara	nicu.sebe@unitn.it , rita.cucchiara@unimore.it			
			Invited Keynote			Mihaela Van der Schaar				AutoML and interpretability: powering the machine learning revolution in healthcare
DAY 2 – Jan 13, 2021	BR 5	Interlude		4:00 PM	4:30 PM					Visiting Milan
DAY 2 – Jan 13, 2021										
Panel 2: Where and What Research in Pattern Recognition	PA 2	Panel	Main Stage	4:00 PM	5:00 PM	Nicu Sebe Ramesh Jain Xavier Alameda Pineda	nicu.sebe@unitn.it jain@ics.uci.edu xavier.alameda-pineda@inria.fr			
DAY 2 – Jan 13, 2021										
Track 1: Supervised and Semi-Supervised Learning	PS T1.7	Poster	Gather Town	4:00 PM	5:00 PM	Enver Sangineto	enver.sangineto@unitn.it			

DAY 2 – Jan 13, 2021					Georgiou, Theodoros; Schmitt, Sebastian; Baeck, Thomas; Pu, Nan; Chen, Wei; Lew, Michael	1002		Comparison of Deep Learning and Hand Crafted Features for Mining Simulation Data
DAY 2 – Jan 13, 2021					Rodrigo-Bonet, Esther; Nguyen, Minh Duc; Deligiannis, Nikos	1300		Temporal Collaborative Filtering with Graph Convolutional Neural Networks
DAY 2 – Jan 13, 2021					Sahbi, Hichem	1348		Kernel-based Graph Convolutional Networks
DAY 2 – Jan 13, 2021					Weijler, Lisa; Diem, Markus; Reiter, Michael	1353		Detecting Rare Cell Populations in Flow Cytometry Data using UMAP
DAY 2 – Jan 13, 2021					Tuor, Tiffany; Wang, Shiqiang; Ko, Bong Jun; Liu, Changchang; Leung, Kin K	1388		Overcoming Noisy and Irrelevant Data in Federated Learning
DAY 2 – Jan 13, 2021					Bouniot, Quentin; Audigier, Romaric; Loesch, Angélique	1393		Optimal Transport As a Defense against Adversarial Attacks
DAY 2 – Jan 13, 2021					Sasaki, Hiroshi; Willcocks, Chris G.; Breckon, Toby	1401		Data Augmentation Via Mixed Class Interpolation Using Cycle-Consistent Generative Adversarial Networks Applied to Cross-Domain Imagery
DAY 2 – Jan 13, 2021					Ramirez, Saul; Giri, Raghvendra; Yang, Shengxiang; Moemeni, Armaghan; Umaña, Mario; Elizondo, David; Torrents-Barrena, Jordina; Molina-Cabello, Miguel A.	1446		Dealing with Scarce Labelled Data: Semi-Supervised Deep Learning with Mix Match for Covid-19 Detection Using Chest X-Ray Images
DAY 2 – Jan 13, 2021					Nguyen, Phuc; Iathuiliere, Stéphane; Ricci, Elisa	1470		Multi-Domain Image-To-Image Translation with Adaptive Inference Graph
DAY 2 – Jan 13, 2021					Pamplona, Daniela; Manzanera, Antoine	1479		Naturally Constrained Online Expectation Maximization
DAY 2 – Jan 13, 2021					Ullah, Ihsan; Reilly, Sean; Madden, Michael	1485		Enhancing Semantic Segmentation of Aerial Images with Inhibitory Neurons
DAY 2 – Jan 13, 2021					Bonettini, Nicolo; Bestagini, Paolo; Milani, Simone; Tubaro, Stefano	1497		On the use of Benford’s law to detect GAN-generated images
DAY 2 – Jan 13, 2021					Nalepa, Jakub; Dudzik, Wojciech; Kawulok, Michal	1498		Memetic Evolution of Training Sets with Adaptive Radial Basis Kernels for Support Vector Machines
DAY 2 – Jan 13, 2021					Bo, Jakob; Tabernik, Domen; Skocaj, Danijel	1532		End-To-End Training of a Two-Stage Neural Network for Defect Detection
DAY 2 – Jan 13, 2021					Makarova, Alexandra; Kurbakov, Mikhail; Sulimova, Valentina	2257		Mean Decision Rules Method with Smart Sampling for Fast Large-Scale Binary SVM Classification
DAY 2 – Jan 13, 2021					Ayadi, Imen; Turinici, Gabriel	2258		Stochastic Runge-Kutta Methods and Adaptive SGD-G2 Stochastic Gradient Descent
DAY 2 – Jan 13, 2021					Ravi Ganesh, Madan; Corso, Jason; Yasaei Sekeh, Salimeh	2265		MINT: Deep Network Compression Via Mutual Information-Based Neuron Trimming
DAY 2 – Jan 13, 2021					Yang, Sean; Huang, Kuan-Hao; Howe, Bill	2286		JECL: Joint Embedding and Cluster Learning for Image-Text Pairs
DAY 2 – Jan 13, 2021					Collier, Edward; Mukhopadhyay, Supratik	2304		GAP: Quantifying the Generative Adversarial Set and Class Feature Applicability of Deep Neural Networks
DAY 2 – Jan 13, 2021					Azimi, Shiva; kaur, taranjit; gandhi, tapan	2324		BAT Optimized CNN Model Identifies Water Stress in Chickpea Plant Shoot Images
DAY 2 – Jan 13, 2021					Azuri, Idan; Weinshall, Daphna	2349		Generative Latent Implicit Conditional Optimization When Learning from Small Sample
DAY 2 – Jan 13, 2021					Senhaji, Ali; Raitoharju, Jenni; Gabbouj, Moncef; Iosifidis, Alexandros	2378		Not all domains are equally complex: Adaptive Multi-Domain Learning
DAY 2 – Jan 13, 2021					Tsang, Gavin; Xie, Xianghua	2382		Deep Learning Based Sepsis Intervention: The Modelling and Prediction of Severe Sepsis Onset
DAY 2 – Jan 13, 2021					Plumerault, Antoine; Le borgne, Hervé; Hudelot, Celine	2386		AAVE: Adversarial Variational Auto Encoder
DAY 2 – Jan 13, 2021					Shuai, Liao; Gavves, Efstratios; Oh, Changyong; Snoek, Cees	2396		Quasibinary Classifier for Images with Zero and Multiple Labels
DAY 2 – Jan 13, 2021					Jamadandi, Adarsh; Tigadoli, Rishabh; Tabib, Ramesh Ashok; Mudenagudi, Uma	2404		Probabilistic Word Embeddings in Kinematic Space
DAY 2 – Jan 13, 2021					Mousavirad, Seyed Jalaeddin; Schaefer, Gerald; Korovin, Iakov	2410		An Effective Approach for Neural Network Training Based on Comprehensive Learning
DAY 2 – Jan 13, 2021					Karimi, Akbar; Rossi, Leonardo; Prati, Andrea	2417		Adversarial Training for Aspect-Based Sentiment Analysis with BERT
DAY 2 – Jan 13, 2021					Foldy-Porto, Timothy; Venkatesha, Yeshwanth; Panda, Priyadarshini	2467		Activation Density Driven Efficient Pruning in Training

DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021						He, Yicong; Atia, George		446	OS T1.3	Scalable Direction-Search-Based Approach to Subspace Clustering
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021						Xu, Runsheng; Tafazzoli, Faezeh; Zhang, Li; Rehfeld, Timo; Krehl, Gunther; Seal, Arunava		2306	OS T1.6	Holistic Grid Fusion Based Stop Line Estimation
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021						Shakur, Ameer Hamza; Qian, Xiaoning; Wang, Zhangyang; Mortazavi, Bobak; Huang, Shuai		2974	OS T1.6	GPSRL: Learning Semi-Parametric Bayesian Survival Rule Lists from Heterogeneous Patient Data
DAY 2 – Jan 13, 2021										
Track 1: AI, Learning for Classification, and Clustering	PS T1.8	Poster	Gather Town	4:00 PM	5:00 PM	Aykut Erdem	aykut.erdem@gmail.com			
DAY 2 – Jan 13, 2021						Jordão, Artur; Yamada, Fernando Akio; Lie, Maiko; Schwartz, William		672		Stage-Wise Neural Architecture Search
DAY 2 – Jan 13, 2021						Buzzega, Pietro; Boschini, Matteo; Porrello, Angelo; Calderara, Simone		721		Rethinking Experience Replay: A Bag of Tricks for Continual Learning
DAY 2 – Jan 13, 2021						Rossi, Leonardo; Karimi, Akbar; Prati, Andrea		725		A Novel Region of Interest Extraction Layer for Instance Segmentation
DAY 2 – Jan 13, 2021						Chugh, Soumil; Brousseau, Braiden; Rose, Jonathan; Eizenman, Moshe		726		Detection and Correspondence Matching of Corneal Reflections for Eye Tracking Using Deep Learning
DAY 2 – Jan 13, 2021						Krzyston, Jakob; Bhattacharjea, Rajib; Stark, Andrew		731		Modulation Pattern Detection Using Complex Convolutions in Deep Learning
DAY 2 – Jan 13, 2021						Zha, Bing; Yilmaz, Alper		744		Temporally Consistent Geo-Localization through Map Learning
DAY 2 – Jan 13, 2021						Barata, Antonio; Takes, Frank; van den Herik, Hendrik; Veenman, Cor		748		The eXPose Approach to Crosslier Detection
DAY 2 – Jan 13, 2021						Monteiro, Marcos; Britto, Alceu; Barddal, Jean Paul; Oliveira, Luiz; Sabourin, Robert		771		Classifier Pool Generation based on a Two-level Diversity Approach
DAY 2 – Jan 13, 2021						Sick, Beate; Hothorn, Torsten; Dürr, Oliver		788		Deep transformation models: Tackling complex regression problems with neural network based transformation models
DAY 2 – Jan 13, 2021						Brigato, Lorenzo; Iocchi, Luca		792		A Close Look at Deep Learning with Small Data
DAY 2 – Jan 13, 2021						Qian, Weizhu; Gechter, Franck		800		Variational Information Bottleneck Model for Accurate Indoor Position Recognition
DAY 2 – Jan 13, 2021						Palacio, Sebastian; Engler, Philipp; Hees, Jörn; Dengel, Andreas		2468		Contextual Classification Using Self-Supervised Auxiliary Models for Deep Neural Networks
DAY 2 – Jan 13, 2021						Jalali, Hamed; Kasneci, Gjergji		2487		Aggregating Dependent Gaussian Experts in Local Approximation
DAY 2 – Jan 13, 2021						Dervakos, Edmund; Filandrianos, Giorgos; Stamou, Giorgos		2531		Heuristics for Evaluation of AI Generated Music
DAY 2 – Jan 13, 2021						Huseljic, Denis; Sick, Bernhard; Herde, Marek; Kottke, Daniel		2532		Separation of Aleatoric and Epistemic Uncertainty in Deterministic Deep Neural Networks
DAY 2 – Jan 13, 2021						Lazo, Jorge F.; Marzullo, Aldo; Moccia, Sara; Catellani, Michele; Rosa, Benoit; Calimeri, Francesco; de Mathelin, Michel; De Momi, Elena		2543		A Lumen Segmentation Method in Ureteroscopy Images Based on a Deep Residual U-Net Architecture
DAY 2 – Jan 13, 2021						Beltrán Beltrán, Lady Viviana; Coustaty, Mickaël; Journet, Nicholas; Caicedo, Juan C.; Doucet, Antoine		2546		Multi-Attribute Learning with Highly Imbalanced Data
DAY 2 – Jan 13, 2021						Cappio Borlino, Francesco; D'Innocente, Antonio; Tommasi, Tatiana		2547		Rethinking Domain Generalization Baselines
DAY 2 – Jan 13, 2021						Rahman, Shafin; Rahman, Sejuti; Shahid, Omar; Abdullah, Md. Tahmeed; Sourov, Jubair Ahmed		2565		Classifying Eye-Tracking Data Using Saliency Maps
DAY 2 – Jan 13, 2021						Forest, Florent; Mourer, Alex; Lebbah, Mustapha; AZZAG, Hanane; Lacaille, Jérôme		2568		An Invariance-Guided Stability Criterion for Time Series Clustering Validation
DAY 2 – Jan 13, 2021						Halfaoui, Ibrahim; Bouzaraa, Fahd; Urfalioglu, Onay; Li, Minzhen		2569		Real-Time End-To-End Lane ID Estimation Using Recurrent Networks

DAY 2 – Jan 13, 2021						Rezaei, Alireza; Le Hégarat-Masclé, Sylvie; Aldea, Emanuel; Dondi, Piercarlo; Malagodi, Marco		2582		One step clustering based on a-contrario framework for detection of alterations in historical violins
DAY 2 – Jan 13, 2021						Duta, Ionut Cosmin; Liu, Li; Zhu, Fan; Shao, Ling		2599		Improved Residual Networks for Image and Video Recognition
DAY 2 – Jan 13, 2021						Haug, Johannes; Kasneci, Gjergji		2611		Learning Parameter Distributions to Detect Concept Drift in Data Streams
DAY 2 – Jan 13, 2021						Haase-Schütz, Christian; Stal, Rainer; Hertlein, Heinz; Sick, Bernhard		2620		Iterative Label Improvement: Robust Training by Confidence Based Filtering and Dataset Partitioning
DAY 2 – Jan 13, 2021						Steiner, Peter; Jalalvand, Azarakhsh; Stone, Simon; Birkholz, Peter		2632		Feature Engineering and Stacked Echo State Networks for Musical Onset Detection
DAY 2 – Jan 13, 2021						Hou, Zejiang; Kung, SY		2636		A Discriminant Information Approach to Deep Neural Network Pruning
DAY 2 – Jan 13, 2021						Lee, Wei-Han; Millman, Steve; Desai, Nirmitt; Srivatsa, Mudhakar; Liu, Changchang		2638		NeuralFP: Out-Of-Distribution Detection Using Fingerprints of Neural Networks
DAY 2 – Jan 13, 2021						Alfonso Sallo, Raymel; Esmailpour, Mohammad; Cardinal, Patrick		2639		Adversarially Training for Audio Classifiers
DAY 2 – Jan 13, 2021						Ragusa, Francesco; Di Mauro, Daniele; Palermo, Alfio; Furnari, Antonino; Farinella, Giovanni Maria		664		Semantic Object Segmentation in Cultural Sites Using Real and Synthetic Data
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021						Chen, Zexi; Dutton, Benjamin; Ramachandra, Bharathkumar; Wu, Tianfu; Vatsavai, Ranga Raju		1702	OS T1.3	Local Clustering with Mean Teacher for Semi-Supervised Learning
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021						König, Gunnar; Molnar, Christoph; Bischl, Bernd; Grosse-Wentrup, Moritz		2572	OS T1.4	Relative Feature Importance
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021						Sheikhi, Ghazal; Altincay, Hakan		2581	OS T1.4	Supervised Feature Embedding for Classification by Learning Rank-Based Neighborhoods
DAY 2 – Jan 13, 2021										
Track3: Computer Vision and Intelligent Systems	PS T3.5	Poster	Gather Town	4:00 PM	5:00 PM	Subhankar Roy	subhankar.roy@unitn.it			
DAY 2 – Jan 13, 2021						Pollastri, Federico; Maroñas, Juan; Bolelli, Federico; Ligabue, Giulia; Paredes, Roberto; Magistroni, Riccardo; Grana, Costantino		512		Confidence Calibration for Deep Renal Biopsy Immunofluorescence Images Classification
DAY 2 – Jan 13, 2021						Aguilar, Eduardo; Nagarajan, Bhalaji; Khatun, Rupali; Bolaños, Marc; Radeva, Petia		1129		Uncertainty-Aware Data Augmentation for Food Recognition
DAY 2 – Jan 13, 2021						Tissera, Dumindu; Vithanage, Hewa Walimunige Mihira Kasun; Wijesinghe, Rukshan; Kahatapitiya, Kumara; Fernando, Subha; Rodrigo, Ranga		1132		Feature-Dependent Cross-Connections in Multi-Path Neural Networks
DAY 2 – Jan 13, 2021						Hacene, Ghouthi; Lassance, Carlos; Gripon, Vincent; Courbariaux, Matthieu; Bengio, Yoshua		1137		Attention Based Pruning for Shift Networks
DAY 2 – Jan 13, 2021						Gupta, Rohit; Shah, Mubarak		1230		RescueNet: Joint Building Segmentation and Damage Assessment from Satellite Imagery
DAY 2 – Jan 13, 2021						Moliner, Olivier; Huang, Sangxia; Åström, Kalle		1304		Better Prior Knowledge Improves Human-Pose-Based Extrinsic Camera Calibration
DAY 2 – Jan 13, 2021						Alkhatib, Mohammad; Hafiane, Adel; Vieyres, Pierre		1306		Merged 1D-2D Deep Convolutional Neural Networks for Nerve Detection in Ultrasound Images
DAY 2 – Jan 13, 2021						Chavhan, Ruchika; Banerjee, Biplab; Zhu, Xiao Xiang;		1358		A Novel Actor Dual-Critic Model for Remote Sensing Image Captioning
DAY 2 – Jan 13, 2021						Chaudhuri, Subhasis		1372		Hierarchical Head Design for Object Detectors
DAY 2 – Jan 13, 2021						Agarwal, Shivang; Jurie, Frederic				
DAY 2 – Jan 13, 2021						Wilms, Christian; Heid, Rafael; Sadeghi, Mohammad Araf; Ribbrock, Andreas; Frintrop, Simone		1376		Which Airline is This? Airline Logo Detection in Real-World Weather Conditions

DAY 2 – Jan 13, 2021						Qian, Yanlin; Yan, Song; Lukežič, Alan; Kristan, Matej; Kamarainen, Joni-Kristian; Matas, Jiri			2151		DAL: A Deep Depth-Aware Long-Term Tracker
DAY 2 – Jan 13, 2021						Salscheider, Niels Ole			2157		FeatureNMS: Non-Maximum Suppression by Learning Feature Embeddings
DAY 2 – Jan 13, 2021						Buizza, Caterina Emilia Agelide; Demiris, Yiannis			2160		Rotational Adjoint Methods for Learning-Free 3D Human Pose Estimation from IMU Data
DAY 2 – Jan 13, 2021						Metzger, Kai Andreas; Mortimer, Peter; Wuensche, Hans J “Joe”			2166		A Fine-Grained Dataset and Its Efficient Semantic Segmentation for Unstructured Driving Scenarios
DAY 2 – Jan 13, 2021						S, Anupama; Shedligeri, Prasan; Pal, Abhishek; Mitra, Kaushik			2186		Video Reconstruction by Spatio-Temporal Fusion of Blurred-Coded Image Pairs
DAY 2 – Jan 13, 2021						Allegretti, Stefano; Bolelli, Federico; Pollastri, Federico; Longhitano, Sabrina; Pellacani, Giovanni; Grana, Costantino			2218		Supporting Skin Lesion Diagnosis with Content-Based Image Retrieval
DAY 2 – Jan 13, 2021						Serrat, Joan; Ruiz, Idoia			2226		Rank-Based Ordinal Classification
DAY 2 – Jan 13, 2021						Yilmaz, Kaan; Suslu, Baris; Roychowdhury, Sohini; Muppirisetty, L. Srikanth			2230		AV-SLAM: Autonomous Vehicle SLAM with Gravity Direction Initialization
DAY 2 – Jan 13, 2021						Zhang, Yahui; You, Shaodi; Gevers, Theo			2235		Orthographic Projection Linear Regression for Single Image 3D Human Pose Estimation
DAY 2 – Jan 13, 2021						Rahmon, Gani; Bunyak, Filiz; Palaniappan, Kannappan			2237		Multi-cue and Multi-stream Encoder-Decoder Network for Robust Moving Object Detection
DAY 2 – Jan 13, 2021						Sellami, Akrem; Tabbone, Salvatore			2239		Video Semantic Segmentation Using Deep Multi-View Representation Learning
DAY 2 – Jan 13, 2021						Agudo, Antonio			2240		Total Estimation from RGB Video: On-Line Camera Self-Calibration, Non-Rigid Shape and Motion
DAY 2 – Jan 13, 2021						Heitzinger, Thomas; Kampel, Martin			2260		IPT: A Dataset for Identity Preserved Tracking in Closed Domains
DAY 2 – Jan 13, 2021						Zhang, Li; koesmahargyo, vidya; Galatzer-Levy, Isaac			2266		Estimation of Clinical Tremor Using Spatio-Temporal Adversarial AutoEncoder
DAY 2 – Jan 13, 2021						Shrestha, Amar; Pugdeethasopol, Krittaphat; Fang, Haowen; Qiu, Qinru			2268		MAGNet: Multi-Region Attention-Assisted Grounding of Natural Language Queries at Phrase Level
DAY 2 – Jan 13, 2021						Sikdar, Arindam; Sahu, Abhimanyu; Sen, Debajit; Mahajan, Rohit; Chowdhury, Ananda			2282		Unconstrained Vision Guided UAV Based Safe Helicopter Landing
DAY 2 – Jan 13, 2021						Chen, Yuhao; Wu, Yifan; Xu, Linlin; Wong, Alexander			2297		Quantization in Relative Gradient Angle Domain For Building Polygon Estimation
DAY 2 – Jan 13, 2021						Keshavarz, Somayeh; Tran, Quang Nhat; Souvenir, Richard			2300		Learning Natural Thresholds for Image Ranking
DAY 2 – Jan 13, 2021						Unal, Mesut Erhan; Kovashka, Adriana			2309		Context for Object Detection Via Lightweight Global and Mid-Level Representations
DAY 2 – Jan 13, 2021						Gupta, Taanya; Liu, Hengyue; Bhanu, Bir			2335		Early Wildfire Smoke Detection in Videos
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021						Bigazzi, Roberto; Landi, Federico; Cornia, Marcella; Cascianelli, Silvia; Baraldi, Lorenzo; Cucchiara, Rita			483	OS T3.2	Explore and Explain: Self-Supervised Navigation and Recounting
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021						Kaul, Chaitanya; Pears, Nick; Manandhar, Suresh			1994	OS T3.3	FatNet: A Feature-Attentive Network for 3D Point Cloud Processing
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021						Romanoni, Andrea; Matteucci, Matteo			1884	OS T3.3	Facetwise Mesh Refinement for Multi-View Stereo
DAY 2 – Jan 13, 2021											
Track 3: Computer Vision, Attention and Motion	PS T3.6	Poster	Gather Town	4:00 PM	5:00 PM	Federica Arrigoni	federica.arrigoni@unitn.it				
DAY 2 – Jan 13, 2021						Beeching, Edward; Dibangoye, Jilles Steeve; Simonin, Olivier; Wolf, Christian			45		Deep Reinforcement Learning on a Budget: 3D Control and Reasoning without a Supercomputer
DAY 2 – Jan 13, 2021						Tesan, Tobia; Coscia, Pasquale; Ballan, Lamberto			61		A CNN-RNN Framework for Image Annotation from Visual Cues and Social Network Metadata
DAY 2 – Jan 13, 2021						Örnthög, Marcus Valtonen; Persson, Patrik; Wadenbäck, Märten; Åström, Kalle; Heyden, Anders			481		Minimal Solvers for Indoor UAV Positioning

DAY 2 – Jan 13, 2021					Stefanini, Matteo; Cornia, Marcella; Baraldi, Lorenzo; Cucchiara, Rita		492		A Novel Attention-Based Aggregation Function to Combine Vision and Language
DAY 2 – Jan 13, 2021					Francis, Mathew; Guha, Prithwjit		727		Siamese Fully Convolutional Tracker with Motion Correction
DAY 2 – Jan 13, 2021					Ruede, Robin; Heusser, Verena; Frank, Lukas; Roitberg, Alina; Haurilet, Monica; Stiefelhagen, Rainer		1126		Multi-Task Learning for Calorie Prediction on a Novel Large-Scale Recipe Dataset Enriched with Nutritional Information
DAY 2 – Jan 13, 2021					Padalkar, Milind Gajanan; Beltran-Gonzalez, Carlos; Bustreo, Matteo; Del Bue, Alessio; Murino, Vittorio		1127		A Versatile Crack Inspection Portable System based on Classifier Ensemble and Controlled Illumination
DAY 2 – Jan 13, 2021					Munir, Asad; Martinel, Niki; Micheloni, Christian		1131		Self and Channel Attention Network for Person Re-Identification
DAY 2 – Jan 13, 2021					Adhikari, Bishwo; Huttunen, Heikki Juhani		1134		Iterative Bounding Box Annotation for Object Detection
DAY 2 – Jan 13, 2021					Flood, Gabrielle; Gillsjö, David; Persson, Patrik; Heyden, Anders; Åström, Kalle		1226		Generic Merging of Structure from Motion Maps with a Low Memory Footprint
DAY 2 – Jan 13, 2021					Cristina, Stefania; Camilleri, Kenneth Patrick		1253		Sequential Non-Rigid Factorisation for Head Pose Estimation
DAY 2 – Jan 13, 2021					Li, Beibin; Mercan, Ezgi; Mehta, Sachin; Knezevich, Stevan; Arnold, Corey; Weaver, Donald; Elmore, Joann; Shapiro, Linda		2393		Classify Breast Histopathology Images with Ductal Instance-Oriented Pipeline
DAY 2 – Jan 13, 2021					Kieu, My; Berlincioni, Lorenzo; Galteri, Leonardo; Bertini, Marco; Bagdanov, Andrew; Del Bimbo, Alberto		2418		Robust pedestrian detection in thermal imagery using synthesized images
DAY 2 – Jan 13, 2021					Ferrari, Claudio; Berlincioni, Lorenzo; Bertini, Marco; Del Bimbo, Alberto		2425		Inner Eye Canthus Localization for Human Body Temperature Screening
DAY 2 – Jan 13, 2021					Meloni, Enrico; Pasqualini, Luca; Tiezzi, Matteo; Gori, Marco; Melacci, Stefano		2458		SAILenv: Learning in Virtual Visual Environments Made Simple
DAY 2 – Jan 13, 2021					Li, Zhongguo; Oskarsson, Magnus; Heyden, Anders		2473		Learning to Implicitly Represent 3D Human Body from Multi-Scale Features and Multi-View Images
DAY 2 – Jan 13, 2021					Simonsson, Simon; Dias Casagrande, Flávia; Zouganeli, Evi		2496		Location Prediction in Real Homes of Older Adults based on K-Means in Low-Resolution Depth Videos
DAY 2 – Jan 13, 2021					Kamenou, Eleni; Martinez-del-Rincon, Jesus; Miller, Paul; Devlin – Hill, Patricia		2516		Multi-level Deep Learning Vehicle Re-identification using Ranked-based Loss Functions
DAY 2 – Jan 13, 2021					Peltomäki, Jukka; Ni, Xingyang; Puura, Jussi; Kamarainen, Joni-Kristian; Huttunen, Heikki Juhani		2517		Loop-closure detection by LiDAR scan re-identification
DAY 2 – Jan 13, 2021					Bi, Tianyu; Jarnikov, Dmitri; Lukkien, Johan		2595		Video Representation Fusion Network For Multi-Label Movie Genre Classification
DAY 2 – Jan 13, 2021					Mishra, Aakansha; Anand, Ashish; Guha, Prithwjit		2598		Multi-stage Attention based Visual Question Answering
DAY 2 – Jan 13, 2021					Padhy, Ram Prasad; Ahmad, Shahzad; Verma, Sachin; Bakshi, Sambit; Sa, Pankaj Kumar		2600		Localization of Unmanned Aerial Vehicles in Corridor Environments Using Deep Learning
DAY 2 – Jan 13, 2021					Calandre, Jordan; Péteri, Renaud; Mascarilla, Laurent; Tremblais, Benoit		2613		Extraction and analysis of 3D kinematic parameters of Table Tennis ball from a single camera
DAY 2 – Jan 13, 2021					Sanchez Belenguer, Carlos; Wolfart, Erik; Casado Coscollá, Álvaro; Sequeira, Vitor		2626		RISEdb: A Novel Indoor Localization Dataset
DAY 2 – Jan 13, 2021					Alamri, Faisal; Kalkan, Sinan; Pugeault, Nicolas		2641		Transformer-Encoder Detector Module: Using Context to Improve Robustness to Adversarial Attacks on Object Detection
DAY 2 – Jan 13, 2021					Gawronski, Peter; Burschka, Darius		2656		Visual Prediction of Driver Behavior in Shared Road Areas
DAY 2 – Jan 13, 2021					Zhang, Yu; Liang, Gongbo; Su, Yuanyuan; Jacobs, Nathan		2663		Multi-Branch Attention Networks for Classifying Galaxy Clusters
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021					Bhandari, Keshav; Zong, Ziliang; Yan, Yan		2255	OS T3.2	Revisiting Optical Flow Estimation in 360 Videos
DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021					Sharghi, Aidean; Da Vitoria Lobo, Niels; Shah, Mubarak		1188	OS T3.1	Text Synopsis Generation for Egocentric Videos

DAY 1 – Jan 12, 2021 - DAY 2 – Jan 13, 2021						Rizve, Mamshad Nayeem; Demir, Ugur; Tirupattur, Praveen; Rana, Aayush Jung; Duarte, Kevin; Dave, Ishan Rajendrakumar; Rawat, Yogesh; Shah, Mubarak		1185	OS T3.1	Gabriella: An Online System for Real-Time Activity Detection in Untrimmed Security Videos
DAY 2 – Jan 13, 2021 - DAY 2 – Jan 13, 2021						Li, Zhenxi; Bilodeau, Guillaume-Alexandre; Bouachir, Wassim		2308	OS T3.2	MFST: Multi-Features Siamese Tracker
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021						Mohamed, Sherif Abdelmonem Sayed; Yasin, Jawad; Haghbayan, Mohammad-hashem; Miele, Antonio; Heikkonen, Jukka Veikko; Tenhunen, Hannu; Plosila, Juha		2910	OS T3.3	Dynamic Resource-aware Corner Detection for Bio-inspired Vision Sensors
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021						Meethal, Akhil; Pedersoli, Marco; Belharbi, Souffiane; Granger, Eric		2821	OS T3.5	Convolutional STN for Weakly Supervised Object Localization
DAY 2 – Jan 13, 2021										
Track 5: Image, Video, and Speech Processing	PS T5.4	Poster	Gather Town	4:00 PM	5:00 PM	Levi Vasconcelos	l.osternovasconcelos@un itn.it			
DAY 2 – Jan 13, 2021						Kardoost, Amirhossein; Müller, Sabine; Weickert, Joachim; Keuper, Margret		356		Object Segmentation Tracking from Generic Video Cues
DAY 2 – Jan 13, 2021						Uelwer, Tobias; Oberstraß, Alexander; Harmeling, Stefan		384		Phase Retrieval Using Conditional Generative Adversarial Networks
DAY 2 – Jan 13, 2021						Acconciaio, Michelangelo; Ntalampiras, Stavros		388		One-Shot Learning for Acoustic Identification of Bird Species in Non-Stationary Environments
DAY 2 – Jan 13, 2021						Morra, Lia; Piano, Luca; Lamberti, Fabrizio; Tommasi, Tatiana		404		Bridging the Gap between Natural and Medical Images through Deep Colorization
DAY 2 – Jan 13, 2021						Tatanov, Oktai; Samarin, Aleksei		417		LFEM: Lightweight Filter-Based Image Enhancement Model
DAY 2 – Jan 13, 2021						Passalis, Nikolaos; Tefas, Anastasios		419		Leveraging Quadratic Spherical Mutual Information Hashing for Fast Image Retrieval
DAY 2 – Jan 13, 2021						Germer, Thomas; Uelwer, Tobias; Conrad, Stefan; Harmeling, Stefan		469		Fast Multi-Level Foreground Estimation
DAY 2 – Jan 13, 2021						Zhao, Zhou; Puybareau, Elodie; Boutry, Nicolas; Geraud, Thierry		476		FOANet: A Focus of Attention Network with Application to Myocardium Segmentation
DAY 2 – Jan 13, 2021						Guo, Changlu; Szemenyei, Marton; Yi, Yugen; Wang, Wenle; Chen, Buer; Fan, Changqi		501		SA-UNet: Spatial Attention U-Net for Retinal Vessel Segmentation
DAY 2 – Jan 13, 2021						Nagoor, Omniah; Whittle, Joss; Deng, Jingjing; Mora, Benjamin; Jones, Mark W.		889		MedZip: 3D Medical Images Lossless Compressor Using Recurrent Neural Network (LSTM)
DAY 2 – Jan 13, 2021						Rodríguez-Rodríguez, José A.; Molina-Cabello, Miguel A.; Benitez-Rochel, Rafaela; López-Rubio, Ezequiel		943		The Effect of Image Enhancement Algorithms on Convolutional Neural Networks
DAY 2 – Jan 13, 2021						Molina-Cabello, Miguel A.; García-González, Jorge; Luque-Baena, Rafael Marcos; Thurnhofer-Hemsi, Karl; López-Rubio, Ezequiel		947		Adaptive Estimation of Optimal Color Transformations for Deep Convolutional Network Based Homography Estimation
DAY 2 – Jan 13, 2021						Studer, Linda; Wallau, Jannis; Dawson, Heather; Zlobec, Inti; Fischer, Andreas		1053		Classification of Intestinal Gland Cell-Graphs Using Graph Neural Networks
DAY 2 – Jan 13, 2021						Fourt, Olivier; Tarel, Jean-Philippe		1926		Visibility Restoration in Infra-Red Images
DAY 2 – Jan 13, 2021						Carcagni, Pierluigi; Leo, Marco; Cuna, Andrea; Celeste, Giuseppe; Distante, Cosimo		2373		A Systematic Investigation on Deep Architectures for Automatic Skin Lesions Classification
DAY 2 – Jan 13, 2021						Kumar, Puneet; Jain, Sidharth; Raman, Balasubramanian; Roy, Partha Pratim; Iwamura, Masakazu		2408		End-To-End Triplet Loss Based Emotion Embedding System for Speech Emotion Recognition
DAY 2 – Jan 13, 2021						Ito, Maria Silvia; Izquierdo, Ebroul		2422		Deep Homography-Based Video Stabilization
DAY 2 – Jan 13, 2021						Arsalan, Muhammad; Santra, Avik; Bierzynski, Kay; Issakov, Vadim		2442		Air-Writing with Sparse Network of Radars Using Spatio-Temporal Learning

Day date	Session code	Session type	Presentation mode	Session start time CET	Session end time CET	Session chair/authors		Paper id	Also presented in	
DAY 3 - January 14										
DAY 3 – Jan 14, 2021										
Track 1: Deep Learning, Benchmarking and Applications										
	PS T1.9	Poster	Gather Town	12:00 PM	1:00 PM	Nan Xue	xuenan@whu.edu.cn			
DAY 3 – Jan 14, 2021						Laroui, Sarah ; Descombes, Xavier; Vernay, Aurelia; Villiers, Florent; Villalba, Francois; Debreuve, Eric		342		How to Define a Rejection Class Based on Model Learning?
DAY 3 – Jan 14, 2021						Maanpää, Jyri Sakari; Taher, Josef; Manninen, Petri; Pakola, Leo; Melekhov, Iaroslav; Hyypää, Juha		374		Multimodal End-To-End Learning for Autonomous Steering in Adverse Road and Weather Conditions
DAY 3 – Jan 14, 2021						Cordes, Kai; Broszio, Hellward		378		Vehicle Lane Merge Visual Benchmark
DAY 3 – Jan 14, 2021						Szczapa, Benjamin; Daoudi, Mohammed; Berretti, Stefano; Pala, Pietro; Del Bimbo, Alberto; Hammal, Zakia		804		Automatic Estimation of Self-Reported Pain by Interpretable Representations of Motion Dynamics
DAY 3 – Jan 14, 2021						Monti, Alessio; Bertugli, Alessia; Calderara, Simone; Cucchiara, Rita		805		DAG-Net: Double Attentive Graph Neural Network for Trajectory Forecasting
DAY 3 – Jan 14, 2021						Bellmann, Peter; Thiam, Patrick; Schwenker, Friedhelm		818		Using Meta Labels for the Training of Weighting Models in a Sample-Specific Late Fusion Classification Architecture
DAY 3 – Jan 14, 2021						Deguerre, Benjamin; Chatelain, Clement; Gasso, Gilles		822		Object Detection in the DCT Domain: Is Luminance the Solution?
DAY 3 – Jan 14, 2021						Kyatham, Vinay; Mishra, Deepak; A.P., Prathosh		2645		Variational Inference with Latent Space Quantization for Adversarial Resilience
DAY 3 – Jan 14, 2021						Siddiqui, Shahid; Kyrkou, Christos; Theocharides, Theocharis		2672		Operation and Topology Aware Fast Differentiable Architecture Search
DAY 3 – Jan 14, 2021						Ali, Arslan; Migliorati, Andrea; Bianchi, Tiziano; Magli, Enrico		2680		Beyond Cross-Entropy: Learning Highly Separable Feature Distributions for Robust and Accurate Classification
DAY 3 – Jan 14, 2021						Akram, Arbish; Khan, Nazar		2686		Pixel-based Kernelized Facial Expression Synthesis
DAY 3 – Jan 14, 2021						Wang, Ziqi; Loog, Marco; van Gemert, Jan		2693		Respecting Domain Relations: Hypothesis Invariance for Domain Generalization
DAY 3 – Jan 14, 2021						Donegan, Ciarán; Yous, Hamza; Sinha, Saksham; Byrne, Jonathan		2708		VPU Specific CNNs through Neural Architecture Search
DAY 3 – Jan 14, 2021						Shi, Xiangwei; Li, Yunqiang; Liu, Xin; van Gemert, Jan		2711		WeightAlign: Normalizing Activations by Weight Alignment
DAY 3 – Jan 14, 2021						Mantini, Pranav; Shah, Shishir		2718		CQNN: Convolutional Quadratic Neural Networks
DAY 3 – Jan 14, 2021						Marinò, Giosuè; Ghidoli, Gregorio; Frasca, Marco; Malchiodi, Dario		2723		Compression Strategies and Space-Conscious Representations for Deep Neural Networks
DAY 3 – Jan 14, 2021						Sedghi, Mahlagha; Beckus, Andre; Atia, George		2726		Sketch-based Community Detection via Representative Node Sampling
DAY 3 – Jan 14, 2021						Ralekar, Chetan; Gandhi, Tapan; Chaudhury, Santanu		2732		Collaborative Human Machine Attention Module for Character Recognition
DAY 3 – Jan 14, 2021						Cancilla, Michele; Canalini, Laura; Bolelli, Federico; Allegretti, Stefano; Carrión, Salvador; Paredes, Roberto; Gómez, Jon Ander; Leo, Simone; Piras, Marco		2735		The DeepHealth Toolkit: a Unified Framework to Boost Biomedical Applications
DAY 3 – Jan 14, 2021						Enrico; Pireddu, Luca; Badouh, Asaf; Marco-Sola, Santiago; Alvarez, Lluc; Moreto, Miquel; Grana, Costantino				
DAY 3 – Jan 14, 2021						Trusov, Anton; Limonova, Elena; Slugin, Dmitry; Nikolaev, Dmitry; Arlazarov, Vladimir V.		2737		Fast Implementation of 4-bit Convolutional Neural Networks for Mobile Devices
DAY 3 – Jan 14, 2021						Cilia, Nicole; De Stefano, Claudio; Fontanella, Francesco; Marrocco, Claudio; Molinara, Mario; Scotto di Freca, Alessandra		2739		Deep Transfer Learning for Alzheimer's disease detection

DAY 3 – Jan 14, 2021						Tellamekala, Mani; Valstar, Michel; Pound, Michael; Giesbrecht, Timo		2740		Audio-Visual Predictive Coding for Self-Supervised Visual Representation Learning
DAY 3 – Jan 14, 2021						Aggarwal, Umang; Popescu, Adrian; Hudelot, Celine		2743		Minority Class Oriented Active Learning for Imbalanced Datasets
DAY 3 – Jan 14, 2021						Shah, Muhammad Ahmed; Olivier, Raphael; Raj, Bhiksha		2744		Exploiting Non-Linear Redundancy for Neural Model Compression
DAY 3 – Jan 14, 2021						Lawson, Austin; Chung, Yu-Min; Cruse, William		2746		A Hybrid Metric based on Persistent Homology and its Application to Signal Classification
DAY 3 – Jan 14, 2021						Roig Mari, Carlos; Varas, David; Masuda, Issey; Riveiro, Juan Carlos; Bou-Balust, Elisenda		2750		Generalized Local Attention Pooling for Deep Metric Learning
DAY 3 – Jan 14, 2021						Boukir, Samia; Feng, Wei		2760		Boundary Bagging to Address Training Data Issues in Ensemble Classification
DAY 3 – Jan 14, 2021						Sahbi, Hichem		2769		Learning Connectivity with Graph Convolutional Networks
DAY 3 – Jan 14, 2021						Huang, Guoxi; Bors, Adrian		2773		Region-Based Non-Local Operation for Video Classification
DAY 4 – Jan 15, 2021 - DAY 3 Jan 14, 2021						Wu, You-Feng; Tran, Vu-Hoang; Chang, Ting-Wei; Chiu, Wei-Chen; Huang, Ching-Chun		420	OS T1.7	DEN: Disentangling and Exchanging Network for Depth Completion
DAY 4 – Jan 15, 2021 - DAY 3 Jan 14, 2021						Jung, Jay Hoon; Kwon, YoungMin		1648	OS T1.7	Boundaries of Single-Class Regions in the Input Space of Piece-Wise Linear Neural Networks
DAY 4 – Jan 15, 2021 - DAY 3 Jan 14, 2021						Li, Dehui; Cao, Zhiguo; Xian, Ke; Qi, Xinyuan; Zhang, Chao; Lu, Hao		127	OS T1.8	Multi-Direction Convolution for Semantic Segmentation
DAY 4 – Jan 15, 2021 - DAY 3 Jan 14, 2021						Zhong, Tao; Kim, Wonjik; Tanaka, Masayuki; Okutomi, Masatoshi		485	OS T1.8	Human Segmentation with Dynamic LiDAR Data
DAY 3 – Jan 14, 2021										
Track1: Neural Architectures for Pattern Analysis	PS T1.10	Poster	Gather Town	12:00 PM	1:00 PM	Aleksandr Ermolov	aleksandr.ermolov@unitn.it			
DAY 3 – Jan 14, 2021						Liu, Hong; Xu, Wanlu; Yang, Bing		653		Audio-Visual Speech Recognition Using a Two-Step Feature Fusion Strategy
DAY 3 – Jan 14, 2021						Zhang, Bin; Zhao, Shengjie; Zhang, Rongqing		655		Cross-Domain Semantic Segmentation of Urban Scenes Via Multi-Level Feature Alignment
DAY 3 – Jan 14, 2021						li, ziqiang; Tao, Rentuo; Niu, Hongjing; Mingdao, Yue; Li, Bin		659		Interpreting the Latent Space of GANs Via Correlation Analysis for Controllable Concept Manipulation
DAY 3 – Jan 14, 2021						Meng, Shiqiao; Li, Jiajie; Guo, Weiwei; Jiang, JinFeng; Ye, Lai		663		PHNet: Parasite-Host Network for Video Crowd Counting
DAY 3 – Jan 14, 2021						Jie, Renlong; Gao, Junbin; Vasnev, Andrey; Tran, Minh-Ngoc		675		Regularized Flexible Activation Function Combinations for Deep Neural Networks
DAY 3 – Jan 14, 2021						Nguyen, Manh Hung; Chao, Tzu-Yin; Huang, Ching-Chun		677		Vacant Parking Space Detection Based on Task Consistency and Reinforcement Learning
DAY 3 – Jan 14, 2021						Aizawa, Hiroaki; Kataoka, Hirokatsu; Satoh, Yutaka; Kato, Kunihito		692		Disentangle, Assemble, and Synthesize: Unsupervised Learning to Disentangle Appearance and Location
DAY 3 – Jan 14, 2021						Xu, Muzhou; Zong, Shan; Liu, Chunping; Gong, Shengrong; Wang, Zhaohui; Xia, Yu		695		ACCLVOS: Atrous Convolution with Spatial-Temporal ConvLSTM for Video Object Segmentation
DAY 3 – Jan 14, 2021						He, Jiayu; Li, Guohui; Lei, Jun		711		Feature Pyramid Hierarchies for Multi-Scale Temporal Action Detection
DAY 3 – Jan 14, 2021						Ji, Qiang; Sun, Yanfeng; Hu, Yongli; Yin, Baocai		724		Variational Deep Embedding Clustering by Augmented Mutual Information Maximization
DAY 3 – Jan 14, 2021						Azzam, Mohamed; Tohokantche Gnanha, Aurele; Wong, Hau-San; Wu, Si		762		Adversarially Constrained Interpolation for Unsupervised Domain Adaptation
DAY 3 – Jan 14, 2021						Zhang, Zhexi; Zhu, Wei; Yan, Junchi; GAO, PENG; Xie, Guotong		784		Automatic Student Network Search for Knowledge Distillation
DAY 3 – Jan 14, 2021						Wang, Jian-Yu; Zhang, Xiao-Lei		787		Deep Topic Modeling by Multilayer Bootstrap Network and Lasso
DAY 3 – Jan 14, 2021						Cheng, Miao; You, Xinge		795		Adaptive Matching of Kernel Means
DAY 3 – Jan 14, 2021						Xu, Yi; Pu, Jian; Zhao, Hui		2484		Knowledge Distillation with a Precise Teacher and Prediction with Abstention
DAY 3 – Jan 14, 2021						Kim, Sang-Baeg; Bae, Jung-Man		2489		A New Convex Loss Function for Multiple Instance Support Vector Machines
DAY 3 – Jan 14, 2021						Qi, Panpan; Zhang, Zhaoqi; Wang, Wei; Yao, Chang		2509		Malware Detection by Exploiting Deep Learning over Binary Programs

DAY 3 – Jan 14, 2021						Fang, Xi; Yang, Jiancheng; Ni, Bingbing		2519		Stochastic Label Refinery: Toward Better Target Label Distribution
DAY 3 – Jan 14, 2021						Wang, Zhe; Liu, Li; Li, Fanzhang		2521		TAAN: Task-Aware Attention Network for Few-Shot Classification
DAY 3 – Jan 14, 2021						Shi, Sheng; Du, Yangzhou; Wei, Fan		2525		Kernel-based LIME with feature dependency sampling
DAY 3 – Jan 14, 2021						Xu, Simin; Luo, Lingkun; Hu, Shiqiang		2527		Attention-Based Model with Attribute Classification for Cross-Domain Person Re-Identification
DAY 3 – Jan 14, 2021						Kamitani, Takuya; Yamaguchi, Yuta; Nakatani, Shintaro; Nishitama, Masashi; Iwai, Yoshio		2541		Gender Classification Using Video Sequences of Body Sway Recorded by Overhead Camera
DAY 3 – Jan 14, 2021						Leung, Chin-wing; Hu, Shuyue; Leung, Ho-fung		2548		Self-Play or Group Practice: Learning to Play Alternating Markov Game in Multi-Agent System
DAY 3 – Jan 14, 2021						Wang, Tao; Zhang, Can; Ding, Runwei; Yang, Ge		2591		Mobile Phone Surface Defect Detection Based on Improved Faster R-CNN
DAY 3 – Jan 14, 2021						Li, YaNing; Yang, liu		2602		More Correlations Better Performance: Fully Associative Networks for Multi-Label Image Classification
DAY 3 – Jan 14, 2021						Tong, Pinmo; Zhang, Xishan; Han, Pengcheng; Bu, Shuhui		2633		Point In: Counting Trees with Weakly Supervised Segmentation Network
DAY 3 – Jan 14, 2021						Li, Yinlin; Qian, Yang; Yang, Xu; Zhang, Yuren		2660		Activity and Relationship Modeling Driven Weakly Supervised Object Detection
DAY 3 – Jan 14, 2021						Yafune, Ryoichiro; sakuma, daisuke; Takayanagi, Mirai; tabei, yasuo; saito, noritaka; Saigo, Hiroto		2661		Automatically Mining Relevant Variable Interactions Via Sparse Bayesian Learning
DAY 3 – Jan 14, 2021						Chang, Xinyuan; Tao, Xiaoyu; Hong, Xiaopeng; WEI, Xing; Ke, Wei; Gong, Yihong		2681		Class-Incremental Learning with Topological Schemas of Memory Spaces
DAY 3 – Jan 14, 2021						Shi, Feifei; Wang, Peng; shi, zhongchao; Rui, Yong		2685		Selecting Useful Knowledge from Previous Tasks for Future Learning in a Single Network
DAY 3 – Jan 14, 2021						Dai, Yimian; Oehmcke, Stefan; Gieseke, Fabian; Wu, Yiquan; Barnard, Kobus		2529	PS T1.10	Attention As Activation
DAY 3 – Jan 14, 2021						Kawashima, Takumi; Yu, Qing; Asai, Akari; Ikami, Daiki; Aizawa, Kiyoharu		549	PS T1.10	The Aleatoric Uncertainty Estimation Using a Separate Formulation with Virtual Residuals
DAY 3 – Jan 14, 2021						Su, Yingcheng; Wu, Yichao; Chen, Ken; Liang, Ding; Hu, Xiaolin		1160	PS T1.10	Dynamic Multi-Path Neural Network
DAY 3 – Jan 14, 2021						Zheng, Sixiao; Fu, Yanwei; Hou, Yanxi		2483	PS T1.10	Incrementally Zero-Shot Detection by an Extreme Value Analyzer
DAY 3 – Jan 14, 2021										
Track 2: Human Activity and Behavior Understanding										
	PS T2.4	Poster	Gather Town	12:00 PM	1:00 PM	Jichao Zhang	jichao.zhang@unitn.it			
DAY 3 – Jan 14, 2021						Dou, Yongqiang; Yang, Haocheng; Yang, Maolin; Xu, Yanyan; Ke, Dengfeng		1153		Dynamically Mitigating Data Discrepancy with Balanced Focal Loss for Replay Attack Detection
DAY 3 – Jan 14, 2021						Cheng, Ming; Cai, Kunjing; Li, Ming		1171		RWF-2000: An Open Large Scale Video Database for Violence Detection
DAY 3 – Jan 14, 2021						Zhou, Junwei; Shu, Ke; Liu, Peng; Xiang, Jianwen; Xiong, ShengWu		1180		Face Anti-spoofing Based on Dynamic Color Texture Analysis Using Local Directional Number Pattern
DAY 3 – Jan 14, 2021						Zhou, Zhenxing; Lui, King-Shan; Tam, Vincent W.L.; Lam, Edmund Y.		1204		Applying (3+2+1)D Residual Neural Network with Frame Selection for Hong Kong Sign Language Recognition
DAY 3 – Jan 14, 2021						Liu, Tianshan; Lam, Kin-Man		1205		Flow-guided Spatial Attention Tracking for Egocentric Activity Recognition
DAY 3 – Jan 14, 2021						Ji, Qiaobin; Xu, Shugong; Chen, Xudong; Cao, Shan; Zhang, Shunqing		1207		A Cross Domain Multi-Modal Dataset for Robust Face Anti-Spoofing
DAY 3 – Jan 14, 2021						Benitez-Garcia, Gibran; Olivares-Mercado, Jesus; Sanchez-Perez, Gabriel; Yanai, Keiji		1213		IPN Hand: A Video Dataset and Benchmark for Real-Time Continuous Hand Gesture Recognition
DAY 3 – Jan 14, 2021						Zhao, Rui; Liu, Tianshan; Xiao, Jun; Lun, P. K. Daniel; Lam, Kin-Man		1231		Deep Multi-Task Learning for Facial Expression Recognition and Synthesis Based on Selective Feature Sharing
DAY 3 – Jan 14, 2021						Kondo, Kazuaki; Nakamura, Taichi; Nakamura, Yuichi; Satoh, Shin'ichi		1275		Siamese-Structure Deep Neural Network Recognizing Changes in Facial Expression According to the Degree of Smiling

DAY 3 – Jan 14, 2021						Orrù, Giulia; Ghiani, Davide; Pintor, Maura; Marcialis, Gian Luca; Roli, Fabio		1281		Detecting Anomalies from Video-Sequences: A Novel Descriptor
DAY 3 – Jan 14, 2021						Makantasis, Konstantinos; Voulodimos, Athanasios; Doulamis, Anastasios; Doulamis, Nikolaos; Bakalos, Nikolaos		1292		Space-Time Domain Tensor Neural Networks: An Application on Human Pose Classification
DAY 3 – Jan 14, 2021						Kwak, Il-Youp; Kwag, Sungsu; Lee, Junhee; Huh, Jun Ho; Lee, Choong-Hoon; Jeon, Youngbae; Hwang, Jeonghwan; Yoon, Ji Won		1327		ResMax: Detecting Voice Spoofing Attacks with Residual Network and Max Feature Map
DAY 3 – Jan 14, 2021						Dubourvieux, Fabian; Audigier, Romaric; Loesch, Angélique; Samia, Ainouz-Zemouche; Canu, Stéphane		1365		Unsupervised Domain Adaptation for Person Re-Identification through Source-guided Pseudo-labeling
DAY 3 – Jan 14, 2021						Ramachandra, Raghavendra; Venkatesh, Sushma; Raja, Kiran; Busch, Christoph		1403		Handwritten Signature and Text Based User Verification Using Smartwatch
DAY 3 – Jan 14, 2021						Li, Meng; Liu, Beibei; Hu, Yongjian; Wang, Yufei		1421		Exposing Deepfake Videos by Tracking Eye Movements
DAY 3 – Jan 14, 2021						Breckon, Toby; Alsehim, Aishah		1423		Not 3D Re-ID: Simple Single Stream 2D Convolution for Robust Video Re-Identification
DAY 3 – Jan 14, 2021						Runkel, Christina; Dorenkamp, Stefan; Bauermeister, Hartmut; Möller, Michael		1432		Exploiting the Logits: Joint Sign Language Recognition and Spell-Correction
DAY 3 – Jan 14, 2021						Gupta, Mehak; Singh, Vishal; Agarwal, Akshay; Vatsa, Mayank; Singh, Richa		1453		Generalized Iris Presentation Attack Detection Algorithm under Cross-Database Settings
DAY 3 – Jan 14, 2021						Sanghvi, Nilay; Singh, Sushant; Agarwal, Akshay; Vatsa, Mayank; Singh, Richa		1502		MixNet for Generalized Face Presentation Attack Detection
DAY 3 – Jan 14, 2021						Bocus, Mohammud; Li, Wenda; Paulavičius, Jonas; McConville, Ryan; Santos-Rodriguez, Raul; Chetty, Kevin; Piechocki, Robert		1534		Translation Resilient Opportunistic WiFi Sensing
DAY 3 – Jan 14, 2021						Weng, Jun; Yang, Yang; Tan, Zichang; Lei, Zhen		1750		Attentive Hybrid Feature Based a Two-Step Fusion for Facial Expression Recognition
DAY 3 – Jan 14, 2021						Hong, Peixian; Wu, Ancong; Zheng, Wei-Shi		1769		Semi-Supervised Person Re-Identification by Attribute Similarity Guidance
DAY 3 – Jan 14, 2021						Marnissi, Mohamed Amine; Fradi, Hajer; Sahbani, Anis; Essoukri Ben Amara, Najoua		1785		Thermal Image Enhancement using Generative Adversarial Network for Pedestrian Detection
DAY 3 – Jan 14, 2021						Li, Jingzhi; Han, Lutong; Zhang, Hua; Han, Xiaoguang; Ge, Jingguo; Cao, Xiaochun		2689		Learning Disentangled Representations for Identity Preserving Surveillance Face Camouflage
DAY 3 – Jan 14, 2021						Liu, Yu-Cheng; Chang, Chia-Ming; Chen, I-hsuan; Ku, Yu Ju; Chen, Jun-Cheng		2719		An Experimental Evaluation of Recent Face Recognition Losses for Deepfake Detection
DAY 3 – Jan 14, 2021						Bao, Yiwei; Cheng, Yihua; Liu, Yunfei; Lu, Feng		2745		Adaptive Feature Fusion Network for Gaze Tracking in Mobile Tablets
DAY 3 – Jan 14, 2021						Dasgupta, Avijit; Jawahar, C. V.; Alahari, Karteek		2804		Context Aware Group Activity Recognition
DAY 3 – Jan 14, 2021						Hendri, Pirdiansyah; Hsieh, Jun-Wei; Yang, Chen, Ping		2809		Deep Real-time Hand Detection using CFPN on Embedded Systems
DAY 3 – Jan 14, 2021						Zhang, He; Chen, Yuchu; Zhang, Hui; Liu, Jing; Li, Xingguang; He, Zhaofeng		2996		Local Attention and Global Representation Collaborating for Fine-grained Classification
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021						Georgescu, Mariana-Iuliana; Ionescu, Radu		743	OS T2.2	Teacher-Student Training and Triplet Loss for Facial Expression Recognition under Occlusion
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021						Mahdi, Soha Sadat; Nauwelaers, Nele; Joris, Philip; Bouritsas, Giorgos; Gong, Shunwang; Bokhnyak, Sergiy; Walsh, Susan; Shriver, Mark; Bronstein, Michael; Claes, Peter		623	OS T2.2	3D Facial Matching by Spiral Convolutional Metric Learning and a Biometric Fusion-Net of Demographic Properties
DAY 3 – Jan 14, 2021										
Track t: Computer Vision, Detection and Recognition	PS T3.7	Poster	Gather Town	12:00 PM	1:00 PM	Wei Wang	wei.wang@unitn.it			

DAY 3 – Jan 14, 2021					Li, Zhi; Zhu, Xiaoyang; Yu, Haitao; Zhang, Qi; Jiang, Yongshi	903	Edge-Aware Monocular Dense Depth Estimation with Morphology
DAY 3 – Jan 14, 2021					Wei, Pan; Wang, Xin; Wang, Lei; Xiang, Ji	909	SIDGAN: Single Image Dehazing without Paired Supervision
DAY 3 – Jan 14, 2021					Cheng, Yi; Zhu, Hongyuan; Sun, Ying; Acar, Cihan; Jing, Wei; Wu, Yan; Li, Liyuan; Tan, Cheston; Lim, Joo-Hwee	917	6D Pose Estimation with Correlation Fusion
DAY 3 – Jan 14, 2021					Do, Duy-Thao; Yalew, Tolcha; Jun, Tae Joon; Kim, Daeyoung	925	Smart Inference for Multidigit Convolutional Neural Network Based Barcode Decoding
DAY 3 – Jan 14, 2021					Yun, Kimin; Kim, Hyung-Il; Bae, Kangmin; Park, Jongyoul	967	Unsupervised Moving Object Detection through Background Models for PTZ Camera
DAY 3 – Jan 14, 2021					Zhang, Jiacheng; zhao, zhicheng; Su, Fei	974	Efficient-Receptive Field Block with Group Spatial Attention Mechanism for Object Detection
DAY 3 – Jan 14, 2021					Rong, Mengqi; Shen, Shuhan; Hu, Zhanyi	1036	3D Semantic Labeling of Photogrammetry Meshes Based on Active Learning
DAY 3 – Jan 14, 2021					Li, Xinjie; Yang, Chun; Chen, Song-Lu; Zhu, Chao; Yin, Xu-Cheng	1056	Semantic Bilinear Pooling for Fine-Grained Recognition
DAY 3 – Jan 14, 2021					Yuan, Hui; Huang, Yan; ZHANG, DONGBO; Chen, Zerui; Cheng, Wenlong; Wang, Liang	1066	VSR++: Improving Visual Semantic Reasoning for Fine-Grained Image-Text Matching
DAY 3 – Jan 14, 2021					Li, Bing; Kong, Longteng; Zhang, Dongming; Bao, Xiuguo; Huang, Di; Wang, Yunhong	1069	Towards Practical Compressed Video Action Recognition: A Temporal Enhanced Multi-Stream Network
DAY 3 – Jan 14, 2021					Furuta, Ryosuke; Noguchi, Naoaki; Wang, Xueting; Yamasaki, Toshihiko	1073	Feature Point Matching in Cross-Spectral Images with Cycle Consistency Learning
DAY 3 – Jan 14, 2021					Liang, Dong; Liu, Xinyu	1085	Coarse-To-Fine Foreground Segmentation Based on Co-Occurrence Pixel-Block and Spatio-Temporal Attention Model
DAY 3 – Jan 14, 2021					Li, Congcong; Ma, Haoyu; Liao, Qingmin	1094	Two-Stage Adaptive Object Scene Flow Using Hybrid CNN-CRF Model
DAY 3 – Jan 14, 2021					Sun, Cheng; Thomas, Diego; Kawasaki, Hiroshi	1635	Unsupervised 3D Human Pose Estimation in Multi-view-multi-pose Video
DAY 3 – Jan 14, 2021					Tan, Yuzhi; Yao, Hongxun; Li, Haoran; Lu, Xiusheng; Xie, Haozhe	1654	PRF-Ped: Multi-Scale Pedestrian Detector with Prior-Based Receptive Field
DAY 3 – Jan 14, 2021					An, Jie; Chen, Tianlang; Zhang, Songyang; Luo, Jiebo	1705	Global Image Sentiment Transfer
DAY 3 – Jan 14, 2021					Lee, SeokYeong; Lee, Seungkyu	1766	Surface IR Reflectance Estimation and Material Recognition Using ToF Camera
DAY 3 – Jan 14, 2021					Zhong, Min; Zeng, Gang	1830	Joint Semantic-Instance Segmentation of 3D Point Clouds: Instance Separation and Semantic Fusion
DAY 3 – Jan 14, 2021					Zhong, Min; Zeng, Gang	1831	Enhanced Vote Network for 3D Object Detection in Point Clouds
DAY 3 – Jan 14, 2021					Lin, Shuheng; Yang, Hua	1870	Dual-Mode Iterative Denoiser: Tackling the Weak Label for Anomaly Detection
DAY 3 – Jan 14, 2021					Lin, Ci-Siang; Cheng, Yuan Chia; Wang, Yu-Chiang Frank	1876	Domain Generalized Person Re-Identification Via Cross-Domain Episodic Learning
DAY 3 – Jan 14, 2021					Su, Yingna; Ding, Yaqing; Yang, Jian; kong, hui	1895	A Two-Step Approach to Lidar-Camera Calibration
DAY 3 – Jan 14, 2021					Chng, Zhe Ming; Lew, Joseph Mun Hung; Lee, Jimmy Addison	1896	RONELD: Robust Neural Network Output Enhancement for Active Lane Detection
DAY 3 – Jan 14, 2021					Wang, Yooseung; Park, Jihun	1931	Transitional Asymmetric Non-Local Neural Networks for Real-World Dirt Road Segmentation
DAY 3 – Jan 14, 2021					Li, Keqiang; Wu, Huaiyu; Shang, Xiuqin; Shen, Zhen; Xiong, Gang; Dong, Xisong; Hu, Bin; Wang, Fei-Yue	1934	Joint Face Alignment and 3D Face Reconstruction with Efficient Convolution Neural Networks
DAY 3 – Jan 14, 2021					Zhang, Lei; Jiang, Na; Diao, Qishuai; Xu, Yue; Zhou, Zhong; Wu, Wei	1943	Pose Variation Adaptation for Person Re-Identification
DAY 3 – Jan 14, 2021					Li, Yajun; Liu, Yazhou; Sun, Quansen	1952	Real-Time Semantic Segmentation Via Region and Pixel Context Network
DAY 3 – Jan 14, 2021					Chiu, Mian Jhong; Chiu, Wei-Chen; Chen, Hua-Tsung; Chuang, Jen-Hui	1954	Real-Time Monocular Depth Estimation with Extremely Light-Weight Neural Network

DAY 3 – Jan 14, 2021						Song, Ziyang; Yin, Ziyi; Yuan, Zejian; Zhang, Chong; Chi, Wanchao; Ling, Yonggen; Zhang, Shenghao			1963		Attention-Oriented Action Recognition for Real-Time Human-Robot Interaction
DAY 3 – Jan 14, 2021						Li, Shigang			2101		Estimating Gaze Points from Facial Landmarks by a Remote Spherical Camera
DAY 1 – Jan 12, 2021 - DAY 3 – Jan 14, 2021						Fatima, Mishal; Karim Khan, Umar; Min Kyung, Chong			870	OS T3.1	Global Feature Aggregation for Accident Anticipation
DAY 2 – Jan 13, 2021 - DAY 3 – Jan 14, 2021						Li, Wenxi; Cao, Zhuoqun; Wang, Qian; Chen, Songjian; Feng, Rui			405	OS T3.2	Learning Error-Driven Curriculum for Crowd Counting
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021						Bae, Kyuho; Ivan, Andre; Nagahara, Hajime; Park, In Kyu			1980	OS T3.3	5D Light Field Synthesis from a Monocular Video
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021						Zhang, Huigang; Wang, Liuan; sun, jun; Sun, Li; Kobashi, Hiromichi; Imamura, Nobutaka			551	OS T3.5	NAS-EOD: An End-To-End Neural Architecture Search Method for Efficient Object Detection
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021						Xu, Nuo; Huo, Chunlei; Guo, Jiacheng; Liu, Yiwei; Wang, Jian; PAN, Chunhong			32	OS T3.6	Adaptive Remote Sensing Image Attribute Learning for Active Object Detection
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021						Krishna, Onkar; Irie, Go; Kawanishi, Takahito; Kashino, Kunio; Aizawa, Kiyoharu			340	OS T3.6	Translating Adult's Focus of Attention to Elderly's
DAY 3 – Jan 14, 2021											
Track 4: Text, Video, and Document Recognition	PS T4.3	Poster	Gather Town	12:00 PM	1:00 PM	Hebatallah Mohamed	hebatallah.mohamed@unive.it				
DAY 3 – Jan 14, 2021						Xu, Hui; Guo, Zhao-Hong; Wang, Da-Han; Zhou, Xiang-Dong; Shi, Yu			57		2D License Plate Recognition based on Automatic Perspective Rectification
DAY 3 – Jan 14, 2021						Bulatov, Konstantin; Fedotova, Nadezhda; Arlazarov, Vladimir V.			62		Fast Approximate Modelling of the Next Combination Result for Stopping the Text Recognition in a Video
DAY 3 – Jan 14, 2021						Gu, Chengyu; Wang, Shilin; Zhu, Yiwei; Huang, Zheng; Chen, Kai			391		Weakly Supervised Attention Rectification for Scene Text Recognition
DAY 3 – Jan 14, 2021						Guo, Jun; Wei, Wenjing; Ma, Yifeng; Peng, Cong			394		A Fast and Accurate Object Detector for Handwritten Digit String Recognition
DAY 3 – Jan 14, 2021						Hu, ZiLing; Wu, Xingjiao; Yang, Jing			465		TCATD: Text Contour Attention for Scene Text Detection
DAY 3 – Jan 14, 2021						Nandanwar, Lokesh; Palaiahnakote, Shivakumara; Ramachandra, Raghavendra; Lu, Tong; Pal, Umapada; Lopresti, Daniel; Anuar, Nor Badrul			475		Local Gradient Difference Based Mass Features for Classification of 2D-3D Natural Scene Text Images
DAY 3 – Jan 14, 2021						Wei, Hongxi; Zhang, Hui; Zhang, Jing; Liu, KeXin			506		Multi-Task Learning Based Traditional Mongolian Words Recognition
DAY 3 – Jan 14, 2021						Peng, Xuan; Huang, Zheng; Chen, Kai; Guo, Jie; Qiu, Weidong			569		RLST: A Reinforcement Learning Approach to Scene Text Detection Refinement
DAY 3 – Jan 14, 2021						Song, Qi; Jiang, Qianyi; Li, Nan; Zhang, Rui; Wei, Xiaolin			599		ReADS: A Rectified Attentional Double Supervised Network for Scene Text Recognition
DAY 3 – Jan 14, 2021						Gao, Pan; Wan, Qi; Gao, Renwu; Shen, Linlin			609		Feature Embedding Based Text Instance Grouping for Largely Spaced and Occluded Text Detection
DAY 3 – Jan 14, 2021						Wang, Shun Yao; Tian, Ye; Wang, Ruidong; Du, Yang; Yan, Han; Yang, Ruilin; Ma, Jian			684		Video Episode Boundary Detection with Joint Episode-Topic Model
DAY 3 – Jan 14, 2021						Kurar Barakat, Berat; Droby, Ahmad; Alaasam, Reem; Madi, Borak; Rabaev, Irina; Shammes, Raed; El-Sana, Jihad			746		Unsupervised deep learning for text line segmentation
DAY 3 – Jan 14, 2021						Simon, Gilles; Tabbone, Salvatore			752		Generic Document Image Dewatering by Probabilistic Discretization of Vanishing Points
DAY 3 – Jan 14, 2021						Yang, Mingkun; Zheng, Haitian; Bai, Xiang; Luo, Jiebo			761		Cost-Effective Adversarial Attacks against Scene Text Recognition
DAY 3 – Jan 14, 2021						Suh, Sungho; Lukowicz, Paul; Lee, Yong Oh			824		Fusion of Global-Local Features for Image Quality Inspection of Shipping Label
DAY 3 – Jan 14, 2021						Cotogni, Marco; Cusano, Claudio; Nocera, Antonino			956		Recursive Recognition of Offline Handwritten Mathematical Expressions
DAY 3 – Jan 14, 2021						Song, Qi; Jiang, Qianyi; Zhang, Rui; Wei, Xiaolin			971		Robust Lexicon-Free Confidence Prediction for Text Recognition
DAY 3 – Jan 14, 2021						Qiao, Zhi; Qin, Xugong; Zhou, Yu; Yang, Fei; Wang, Weiping			991		Gaussian Constrained Attention Network for Scene Text Recognition

DAY 3 – Jan 14, 2021						Liang, Yaoyuan; Wang, Xin; Duan, Xuguang; Zhu, Wenwu		1025		Multi-Modal Contextual Graph Neural Network for Text Visual Question Answering
DAY 3 – Jan 14, 2021						Zhou, Junwei; Gao, Hongchao; Dai, Jiao; Liu, Dongqin; Han, Jizhong		1119		A Multi-Head Self-Relation Network for Scene Text Recognition
DAY 3 – Jan 14, 2021						Janouřková, Klára; Gomez, Lluís; Karatzas, Dimosthenis; Matas, Jiri		1247		Text Recognition – Real World Data and Where to Find Them
DAY 3 – Jan 14, 2021						Jung, Eun-Soo; Son, HyeongGwan; Oh, Kyusam; Yun, Yongkeun; Kwon, Soonhwan; Kim, Min Soo		1487		DUET: Detection Utilizing Enhancement for Text in Scanned or Captured Documents
DAY 3 – Jan 14, 2021						Zhu, Anna; Du, Hang; Xiong, ShengWu		1828		Scene Text Detection with Selected Anchors
DAY 3 – Jan 14, 2021						Yan, Ruijie; Peng, Liangrui; Xiao, Shanyu; Yao, Gang; Min, Jaesik		1897		MEAN: A Multi-Element Attention based Network for Scene Text Recognition
DAY 3 – Jan 14, 2021						Xu, Zhenlong; Zhou, Shuigeng; Bai, Fan; Zhanzhan, Cheng; Niu, Yi; Pu, Shiliang		1956		Recognizing Multiple Text Sequences from an Image by Pure End-To-End Learning
DAY 3 – Jan 14, 2021						Nguyen, Hung Tuan; Nakamura, Tsubasa; Nguyen, Cuong Tuan; Nakagawa, Masaki		2280		Online Trajectory Recovery from Offline Handwritten Japanese Kanji Characters of Multiple Strokes
DAY 3 – Jan 14, 2021						Meng, Guanghao; Dai, Tao; Wu, Shudeng; Chen, Bin; Lu, Jian; Jiang, Yong; Xia, Shutao		2592		Sample-Aware Data Augmentor for Scene Text Recognition
DAY 3 – Jan 14, 2021						Bansal, Siddhant; Krishnan, Praveen; Jawahar, C. V.		2622		Improving Word Recognition using Multiple Hypotheses and Deep Embeddings
DAY 3 – Jan 14, 2021						Li, Xiaolian; Liu, jie; Zhang, Guixuan; Zhang, shuwu		2627		IBN-STR: A Robust Text Recognizer for Irregular Text in Natural Scenes
DAY 3 – Jan 14, 2021						Bandyopadhyay, Hmrishav; Dasgupta, Tanmoy; Das, Nibaran; Nasipuri, Mita		2950		A Gated and Bifurcated Stacked U-Net Module for Document Image Dewarping
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021						Zhao, Mengbiao; Feng, Wei; Yin, Fei; Zhang, Xu-Yao; Liu, Cheng-Lin		1925	OS T 4.2	Mutually Guided Dual-Task Network for Scene Text Detection
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021						Wu, Shudeng; Dai, Tao; Meng, Guanghao; Chen, Bin; Lu, Jian; Xia, Shutao		2469	OS T 4.2	Transferable Adversarial Attacks for Deep Scene Text Detection
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021						Takeshita, Koki; Shioyama, Juntaro; Uchida, Seiichi		1698	OS T 4.2	Label or Message: A Large-Scale Experimental Survey of Texts and Objects Co-Occurrence
DAY 3 – Jan 14, 2021										
Track 5: Image Processing, Analysis, and Medical Imaging										
	PS T5.5	Poster	Gather Town	12:00 PM	1:00 PM	Yahui Liu	yahui.liu@unitn.it			
DAY 3 – Jan 14, 2021						Zhang, Hongyi; Lu, Wen; Sun, Xiaopeng		595		Cross-Layer Information Refining Network for Single Image Super-Resolution
DAY 3 – Jan 14, 2021						Wang, Jianjia; Wu, Hui; Hancock, Edwin		606		FMRI Brain Networks As Statistical Mechanical Ensembles
DAY 3 – Jan 14, 2021						Li, Ling; Li, Yaochen; Wu, Chuan; Dong, Hang; Jiang, Peilin; Wang, Fei		614		Detail Fusion GAN: High-Quality Translation for Unpaired Images with GAN-Based Data Augmentation
DAY 3 – Jan 14, 2021						Li, Xiaopeng; Xiong, Junlin		615		Content-Sensitive Superpixels Based on Adaptive Regrowth
DAY 3 – Jan 14, 2021						Hu, Hanzhe; Cui, Jinshi, Jinshi; Zha, Hongbin		638		Boundary-Aware Graph Convolution for Semantic Segmentation
DAY 3 – Jan 14, 2021						li, ziqiang; Tao, Rentuo; Wu, qianrun; Li, Bin		656		DA-RefineNet: Dual-Inputs Attention RefineNet for Whole Slide Image Segmentation
DAY 3 – Jan 14, 2021						Ma, Sike; Zhao, Meng; Wang, Hao; Shi, Fan; Sun, Xuguo; Chen, Shengyong; Dai, Hong-Ning		658		Fused 3-Stage Image Segmentation for Pleural Effusion Cell Clusters
DAY 3 – Jan 14, 2021						Lu, Weizeng; Jia, Xi; Chen, Wei; Savioli, Nicolò; de Marvao, Antonio; Shen, Linlin; O'Regan, Declan; Duan, Jinming		660		One-Stage Multi-Task Detector for 3D Cardiac MR Imaging
DAY 3 – Jan 14, 2021						Zhang, Yi; Chen, Yixuan; Zhang, Kai		693		PCANet: Pyramid Context-Aware Network for Retinal Vessel Segmentation
DAY 3 – Jan 14, 2021						Kokubo, Yoshihito; Asada, Shusaku; Maruyama, Hirotaka; Koide, Masaru; Yamamoto, Kohei; Suetsugu, Yoshihisa		694		Removing Raindrops from a Single Image Using Synthetic Data

DAY 3 – Jan 14, 2021						Suzuki, Aiga; Ito, Keiichi; Ibe, Takahide; Otsu, Nobuyuki			704	AdaFilter: Adaptive Filter Design with Local Image Basis Decomposition for Optimizing Image Recognition Preprocessing	
DAY 3 – Jan 14, 2021						Liang, Yihua; Ma, Fei; Li, Yang; Huang, Shao-Lun			723	Person Recognition with HGR Maximal Correlation on Multimodal Data	
DAY 3 – Jan 14, 2021						Lu, Jianglin; Lai, Zhihui; Lin, Jingxu; Lin, Qinghong; Zhou, Jie			736	Label Self-Adaption Hashing for Image Retrieval	
DAY 3 – Jan 14, 2021						Kim, Jae Eun; Arshad, Muhammad Zeeshan; Yoo, Seong Jong; Hong, Je Hyeong; Kim, Jinwook; Kim, Young Min			766	3D Pots Configuration System by Optimizing Over Geometric Constraints	
DAY 3 – Jan 14, 2021						Watanabe, Ryosuke; Chen, Jun; Konno, Tomoaki; Naito, Sei			798	Accurate Background Subtraction Using Dynamic Object Presence Probability in Sports Scenes	
DAY 3 – Jan 14, 2021						Li, Longxi; Feng, Hesen; Zheng, Bing; Ma, Lihong; Tian, Jing			811	DID: A Nested Dense in Dense Structure with Variable Local Dense Blocks for Super-Resolution Image Reconstruction	
DAY 3 – Jan 14, 2021						Lin, Hongli; Song, Yongqi; Wang, Weisheng; Zeng, Zixuan; wang, jiaiyi			877	Aggregating Object Features Based on Attention Weights for Fine-Grained Image Retrieval	
DAY 3 – Jan 14, 2021						Guo, Haifeng; Lu, Tong; Wu, Yirui			1529	Dynamic Low-Light Image Enhancement for Object Detection Via End-To-End Training	
DAY 3 – Jan 14, 2021						Zhu, Yongpei; Zhou, Zicong; Liao, Guojun; Yuan, Kehong			1555	BCAU-Net: A Novel Architecture with Binary Channel Attention Module for MRI Brain Segmentation	
DAY 3 – Jan 14, 2021						Wang, Li-Wen; Siu, Wan-Chi; Liu, Zhi-Song; Li, Chu-Tak; Lun, P. K. Daniel			1763	Video Lightening with Dedicated CNN Architecture	
DAY 3 – Jan 14, 2021						Wang, Bo; Yan, Qingsen; Xu, Zhengqing; Jingyang, Ai; Shuo, Jin; Wei, Zhao; Xu, Wei; Zhang, Liang; You, Zheng			1818	A Benchmark Dataset for Segmenting Liver, Vasculature and Lesions from Large-Scale Computed Tomography Data	
DAY 3 – Jan 14, 2021						Huang, Yankai; Song, Tiecheng; Li, Shuang; Han, Yuanjing			1834	Local Grouped Invariant Order Pattern for Grayscale-Inversion and Rotation Invariant Texture Classification	
DAY 3 – Jan 14, 2021						Jung, Cheolkon			1887	Deep Fusion of RGB and NIR Paired Images Using Convolutional Neural Networks	
DAY 3 – Jan 14, 2021						Choi, Young-Ju; Lee, Young-Woon; Kim, Byung-Gyu			2018	Wavelet Attention Embedding Networks for Video Super-Resolution	
DAY 3 – Jan 14, 2021						Fujitake, Masato; Sugimoto, Akihiro			2120	Temporal Feature Enhancement Network with External Memory for Object Detection in Surveillance Video	
DAY 3 – Jan 14, 2021						Yorimoto, Kohei; Han, Xian-Hua			2340	Deep Residual Attention Network for Hyperspectral Image Reconstruction	
DAY 3 – Jan 14, 2021						Wang, Ruojing; Sun, Zitang; Kamata, Sei-ichiro; Chen, Weili			2491	Adaptive Image Compression Using GAN Based Semantic-Perceptual Residual Compensation	
DAY 3 – Jan 14, 2021						Xue, Xi; Kamata, Sei-ichiro; Luo, Daming			2512	Skin Lesion Classification Using Weakly-Supervised Fine-Grained Method	
DAY 3 – Jan 14, 2021						Song, Jie; Wei, Ping; Li, Huan; Zhang, Yongchi; Zheng, Nanning			2556	Local-Global Interaction Network For Face Age Transformation	
DAY 1 – Jan 12, 2021 - DAY 3 – Jan 14, 2021						Wei, Shuo; Sun, Xin; Zhao, Haoran; Dong, Junyu			652	OS T5.1	RSAN: Residual Subtraction and Attention Network for Single Image Super-Resolution
DAY 1 – Jan 12, 2021 - DAY 3 – Jan 14, 2021						Zhou, Xiaoqiang; LI, Junjie; Wang, Zilei; He, Ran; Tan, Tieniu			1233	OS T5.1	Image Inpainting with Contrastive Relation Network
DAY 1 – Jan 12, 2021 - DAY 3 – Jan 14, 2021						Li, Xirong; Wan, Wencui; Yang, Zhou; Zhao, Jianchun; wei, qijie; Rong, Junbo; Zhou, Pengyi; Xu, Limin; Lang, Lijuan; Liu, Yuying; Niu, Chengzhi; Ding, Dayong; Jin, Xuemin			2014	OS T5.2	Deep Multiple Instance Learning with Spatial Attention for ROP Case Classification, Instance Selection and Abnormality Localization
DAY 3 – Jan 14, 2021	BR 6	Interlude		12:30 PM	1:00 PM						Visiting Milan
DAY 3 – Jan 14, 2021	KE 5	Plenary 2	Main Stage	1:00 PM	2:00 PM	Marcello Pelillo, Stan Sclaroff	pelillo@dsi.unive.it, sclaroff@bu.edu				
		Invited Keynote				Max Welling					Equivariant graph neural networks and their applications
DAY 3 – Jan 14, 2021	BR 7	Interlude		2:00 PM	2:30 PM						Visiting Milan
DAY 3 – Jan 14, 2021 Track 1: Neural Networks and Self-Attention	OS T1.5	Oral	Live	2:00 PM	3:00 PM	Vladimir Pavlovic, Lamberto Ballan	v.pavlovic@samsung.com, lamberto.ballan@unipd.it				

DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Dai, Yimian; Oehmcke, Stefan; Gieseke, Fabian; Wu, Yiqian; Barnard, Kobus		2529	PS T1.10	Attention As Activation
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Kawashima, Takumi; Yu, Qing; Asai, Akari; Ikami, Daiki; Aizawa, Kiyoharu		549	PS T1.10	The Aleatoric Uncertainty Estimation Using a Separate Formulation with Virtual Residuals
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Su, Yingcheng; Wu, Yichao; Chen, Ken; Liang, Ding; Hu, Xiaolin		1160	PS T1.10	Dynamic Multi-Path Neural Network
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Zheng, Sixiao; Fu, Yanwei; Hou, Yanxi		2483	PS T1.10	Incrementally Zero-Shot Detection by an Extreme Value Analyzer
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Li, Minghan; Liu, Xialei; Van de Weijer, Joost; Raducanu, Bogdan		1520	PS T1.12	Learning to Rank for Active Learning: A Listwise Approach
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Wang, Chen; Deng, Chengyuan		2336	PS T1.12	On the Global Self-Attention Mechanism for Graph Convolutional Networks
DAY 3 – Jan 14, 2021 Track 2: Face Analysis	OS T2.2	Oral	Live	2:00 PM	3:00 PM	Massimo Tistarelli, Stefano Berretti	tista@uniss.it, stefano.berretti@unifi.it			
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Wu, Yanhong; Zhang, Lijie; Chen, Guannan; Navarrete Michelini, Pablo		992	PS T2.3	Unconstrained Facial Expression Recognition Based on Cascade Decision and Gabor Filters
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Georgescu, Mariana-Iuliana; Ionescu, Radu		743	PS T2.4	Teacher-Student Training and Triplet Loss for Facial Expression Recognition under Occlusion
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021			Live			Li, Weijian; Liao, Haofu; Miao, Shun; Lu, Le; Luo, Jiebo		1144	PS T2.5	Unsupervised Learning of Landmarks Based on Inter-Intra Subject Consistencies
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021			Live			Becerra-Riera, Fabiola; Morales-González, Annette; Mendez-Vazquez, Heydi; Dugelay, Jean-Luc		1604	PS T2.5	Attribute-Based Quality Assessment for Demographic Estimation in Face Videos
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Mahdi, Soha Sadat; Nauwelaers, Nele; Joris, Philip; Bouritsas, Giorgos; Gong, Shunwang; Bokhnyak, Sergiy; Walsh, Susan; Shriver, Mark; Bronstein, Michael; Claes, Peter		623	PS T2.4	3D Facial Matching by Spiral Convolutional Metric Learning and a Biometric Fusion-Net of Demographic Properties
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021			Live			Méndez-Llanes, Nelson; Castillo-Rosado, Katy; Mendez-Vazquez, Heydi; Tistarelli, Massimo		1773	PS T2.5	Quality-Based Representation for Unconstrained Face Recognition
DAY 3 – Jan 14, 2021 Track 3: Stereo and 3D Vision	OS T3.3	Oral	Live	2:00 PM	3:00 PM	Andrea Fusiello, Alessio del Bue	andrea.fusiello@uniud.it, alessio.delbue@iit.it			
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Kaul, Chaitanya; Pears, Nick; Manandhar, Suresh		1994	PS T3.5	FatNet: A Feature-Attentive Network for 3D Point Cloud Processing
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Romanoni, Andrea; Matteucci, Matteo		1884	PS T3.5	Facetwise Mesh Refinement for Multi-View Stereo
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Bae, Kyuho; Ivan, Andre; Nagahara, Hajime; Park, In Kyu		1980	PS T3.7	5D Light Field Synthesis from a Monocular Video
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Zhang, Jingyang; Yao, Yao; Luo, Zixin; Li, Shiwei; Shen, Tianwei; Fang, Tian; Quan, Long		588	PS T3.4	Learning Stereo Matchability in Disparity Regression Networks
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Mohamed, Sherif Abdelmonem Sayed; Yasin, Jawad; Haghbayan, Mohammad-hashem; Miele, Antonio; Heikkonen, Jukka Veikko; Tenhunen, Hannu; Plosila, Juha		2910	PS T3.6	Dynamic Resource-aware Corner Detection for Bio-inspired Vision Sensors
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Li, Lei; Wu, Suping		1995	PS T3.8	DmifNet: 3D Shape Reconstruction Based on Dynamic Multi-Branch Information Fusion
DAY 3 – Jan 14, 2021 Track 5: Signal Processing and Compression	OS T5.4	Oral	Live	2:00 PM	3:00 PM	Enis Cetin, Primo Zingaretti	aecyy@uic.edu, p.zingaretti@staff.univpm.it			
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Iwai, Shoma; Miyazaki, Tomo; Sugaya, Yoshihiro; Omachi, Shinichiro		2261	PS T5.3	Fidelity-Controllable Extreme Image Compression with Generative Adversarial Networks

DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Poyser, Matt; Breckon, Toby; Atapour Abarghouei, Amir		876	PS T5.4	On the Impact of Lossy Image and Video Compression on the Performance of Deep Convolutional Neural Network Architectures
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Lu, Yawen; Wang, Yuxing; Parikh, Devarth; Xin, Yuan; Lu, Guoyu		1731	PS T5.4	Extending Single Beam Lidar to Full Resolution by Fusing with Single Image Depth Estimation
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Nguyen, Quan; Richter, Julius; Lauri, Mikko; Gerkmann, Timo; Frintrop, Simone		1598	PS T5.6	Improving Mix-And-Separate Training in Audio-Visual Sound Source Separation with an Object Prior
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Greco, Antonio; Roberto, Antonio; Saggese, Alessia; Vento, Mario		2163	PS T5.6	Which are the factors affecting the performance of audio surveillance systems?
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021			Live			Cheuk, Kin Wai; Luo, Yin-Jyun; Benetos, Emmanouil; Dorien, Herremans		2514	PS T5.7	The Effect of Spectrogram Reconstruction on Automatic Music Transcription: An Alternative Approach to Improve Transcription Accuracy
DAY 3 – Jan 14, 2021										
Track 1: AI, Generative and Graph-based Networks										
	PS T1.11	Poster	Gather Town	2:00 PM	3:00 PM	Alessandro Torcinovich	ale.torcinovich@unive.it			
DAY 3 – Jan 14, 2021						Carrara, Fabio; Amato, Giuseppe; Brombin, Luca; Falchi, Fabrizio; Gennaro, Claudio		1115		Combining GANs and AutoEncoders for efficient anomaly detection
DAY 3 – Jan 14, 2021						Mahbod, Amirreza; Schaefer, Gerald; Wang, Chunliang; Ecker, Rupert; Dorffner, Georg; Ellinger, Isabella		1136		Investigating and Exploiting Image Resolution for Transfer Learning-Based Skin Lesion Classification
DAY 3 – Jan 14, 2021						Lin, Qiufan; Fouchez, Dominique; Pasquet, Jérôme		1538		Galaxy Image Translation with Semi-Supervised Noise-Reconstructed Generative Adversarial Networks
DAY 3 – Jan 14, 2021						Pealat, Clément; Bouleax, Guillaume; Cheutet, Vincent		1549		Improved Time-Series Clustering with UMAP Dimension Reduction Method
DAY 3 – Jan 14, 2021						Pande, Nilay; Awate, Suyash		1551		Generative Deep-Neural-Network Mixture Modeling with Semi-Supervised MinMax+EM Learning
DAY 3 – Jan 14, 2021						Sahoo, Saswata; Chakraborty, Souradip		1559		Graph Spectral Feature Learning for Mixed Data of Categorical and Numerical Type
DAY 3 – Jan 14, 2021						Poiesi, Fabio; Boscaini, Davide		1562		Distinctive 3D Local Deep Descriptors
DAY 3 – Jan 14, 2021						Yadav, Shweta; Sain, Joy Prakash; Sheth, Amit; Ekbal, Asif; Saha, Sriparna; Bhattacharyya, Pushpak		1563		Assessing the Severity of Health States Based on Social Media Posts
DAY 3 – Jan 14, 2021						Huang, Zhongwei; Lei, Haijun; Li, Shiqi; Xiao, Xiaohua; Lei, Yi; Tan, En-Leng; Lei, Baiying		1567		Longitudinal Feature Selection and Feature Learning for Parkinson's Disease Diagnosis and Prediction
DAY 3 – Jan 14, 2021						Camacho Presotto, João Gabriel; Pascotti Valem, Lucas; Gomes de Sá, Nikolas; Pedronette, Daniel		1570		Weakly Supervised Learning through Rank-Based Contextual Measures
DAY 3 – Jan 14, 2021						Carlos Guimaraes; Papa, Joao Paulo		1597		Drift anticipation with forgetting to improve evolving fuzzy system
DAY 3 – Jan 14, 2021						Leroy, Clément; Anquetil, Eric; Girard, Nathalie		1600		Hcore-Init: Neural Network Initialization Based on Graph Degeneracy
DAY 3 – Jan 14, 2021						Limnios, Stratis; Dasoulas, George; Thilikos, Dimitrios; Vazirgiannis, Michalis		1601		Vision-Based Multi-Modal Framework for Action Recognition
DAY 3 – Jan 14, 2021						Beddiar, Djamilia Romaisa; Oussalah, Mourad; Nini, Brahim		1615		Attention-Driven Body Pose Encoding for Human Activity Recognition
DAY 3 – Jan 14, 2021						Debnath, Bappaditya; O'Brien, Mary R.; Kumar, Swagat; Behera, Ardhendu		1638		Interpolation in Auto Encoders with Bridge Processes
DAY 3 – Jan 14, 2021						Ringqvist, Carl; Butepage, Judith; Kjellstrom, Hedvig; Hult, Henrik		1646		Makeup Style Transfer on Low-Quality Images with Weighted Multi-Scale Attention
DAY 3 – Jan 14, 2021						Organisciak, Daniel; Ho, Edmond S. L.; Shum, Hubert P. H.		1647		3D Attention Mechanism for Fine-Grained Classification of Table Tennis Strokes Using a Twin Spatio-Temporal Convolutional Neural Networks
DAY 3 – Jan 14, 2021						Martin, Pierre-Etienne; Benois-Pineau, Jenny; Péteri, Renaud; Morlier, Julien		1657		Algorithm Recommendation for Data Streams
DAY 3 – Jan 14, 2021						Martins Camboim de Sá, Jáder; Luis Debiasio Rossi, Andre; Enrique de Almeida Prado Alves Batista, Gustavo; Paulo Faina Garcia, Luis				

DAY 3 – Jan 14, 2021						Berlincioni, Lorenzo; Becattini, Federico; Seidenari, Lorenzo; Del Bimbo, Alberto		1658	Multiple Future Prediction Leveraging Synthetic Trajectories
DAY 3 – Jan 14, 2021						Bursic, Sathya; D'Amelio, Alessandro; Granato, Marco; Grossi, Giuliano; Lanzarotti, Raffaella		1659	A Quantitative Evaluation Framework of Video De-Identification Methods
DAY 3 – Jan 14, 2021						Zonooz, Bahram; Arani, Elahe; Zonooz, Bahram		1672	Knowledge Distillation is beyond model compression
DAY 3 – Jan 14, 2021						Sicilia, Rosa; Cordelli, Ermanno; Soda, Paolo		1679	Categorizing the Feature Space for Two-Class Imbalance Learning
DAY 3 – Jan 14, 2021						Ivanovska, Marija; Tabernik, Domen; Skocaj, Danijel; Pers, Janez		1689	Evaluation of Anomaly Detection Algorithms for the Real-World Applications
DAY 3 – Jan 14, 2021						Limonova, Elena; Alfonso, Daniil; Nikolaev, Dmitry; Arlazarov, Vladimir V.		1690	ResNet-like Architecture with Low Hardware Requirements
DAY 3 – Jan 14, 2021						Gribel, Daniel; Vidal, Thibaut; Gendreau, Michel		1693	Assortative-Constrained Stochastic Block Models
DAY 3 – Jan 14, 2021						Ojeda Marin, Cesar Ali; Sanchez, Ramses J.; Cvejovski, Kostadin; Georgiev, Bogdan		1697	Auto Encoding Explanatory Examples with Stochastic Paths
DAY 3 – Jan 14, 2021						Li, Peizheng; Cui, Han; Khan, Aftab; Raza, Usman; Piechocki, Robert; Doufexi, Angela; Farnham, Tim		1703	Wireless Localisation in WiFi Using Novel Deep Architectures
DAY 3 – Jan 14, 2021						Berg, Henrik; Hjelmervik, Karl Thomas		1801	Deep Learning on Active Sonar Data Using Bayesian Optimization for Hyperparameter Tuning
DAY 3 – Jan 14, 2021						Ahmed, Waqar; Zunino, Andrea; Morerio, Pietro; Murino, Vittorio		1804	Compact CNN Structure Learning by Knowledge Distillation
DAY 3 – Jan 14, 2021						Fuchs, Mathias; Riesen, Kaspar Georgiou, Theodoros; Schmitt, Sebastian; Baeck, Thomas; Chen, Wei; Lew, Michael		1809	Matching of Matching-Graphs \square a Novel Approach for Graph Classification
DAY 3 – Jan 14, 2021								2420	Norm Loss: An Efficient yet Effective Regularization Method for Deep Neural Networks
DAY 3 – Jan 14, 2021									
Track 3: Computer Vision and Intelligent Sensing									
	PS T3.8	Poster	Gather Town	2:00 PM	3:00 PM	Silvia Cascianelli	silvia.cascianelli@unimore.it		
DAY 3 – Jan 14, 2021						Inoue, Yuki; Nagayoshi, Hiroto		17	Crack Detection As a Weakly-Supervised Problem: Towards Achieving Less Annotation-Intensive Crack Detectors
DAY 3 – Jan 14, 2021						Kurihara, Kohei; Wang, Tianren; Zhang, Teng; Lovell, Brian Carrington		2	Boundary Guided Image Translation for Pose Estimation from Ultra-Low Resolution Thermal Sensor
DAY 3 – Jan 14, 2021						Zhao, Yaxin; Jiao, Jichao; Li, Ning; Deng, zhongliang		40	MANet: Multimodal Attention Network Based Point-View Fusion for 3D Shape Recognition
DAY 3 – Jan 14, 2021						Yang, Bang; Zou, Yuexian		50	Visual Oriented Encoder: Integrating Multimodal and Multi-Scale Contexts for Video Captioning
DAY 3 – Jan 14, 2021						Yu, Dayang; Zhang, Rong; Qin, Shan		59	Cascade Saliency Attention Network for Object Detection in Remote Sensing Images
DAY 3 – Jan 14, 2021						Ying, Dai		87	CNN-Based Repetitive Self-Revised Learning for Photos \square Aesthetics Imbalanced Classification
DAY 3 – Jan 14, 2021						Fang, Junting; Tan, Xiaoyang; Wang, Yuhui		109	ACRM: Attention Cascade R-CNN with Mix-NMS for Metallic Surface Defect Detection
DAY 3 – Jan 14, 2021						Fu, Hao; Wang, Hongxing; Yang, Jianyu		113	Video Summarization with a Dual Attention Capsule Network
DAY 3 – Jan 14, 2021						Kanya, Kurauchi; Tanaka, Kanji		122	Deep Next-Best-View Planner for Cross-Season Visual Route Classification
DAY 3 – Jan 14, 2021						Tran Quang, Trung; Nguyen, Van Giang; Kim, Daeyoung		126	Simple Multi-Resolution Representation Learning for Human Pose Estimation
DAY 3 – Jan 14, 2021						Jiang, Shan; Li, Shuxiao; Zhu, Chengfei; Yan, Nan		337	Efficient Correlation Filter Tracking with Adaptive Training Sample Update Scheme
DAY 3 – Jan 14, 2021						Ogawa, Takuya; Shibata, Takashi; yachida, shoji; Hosoi, Toshinori		365	Reducing False Positives in Object Tracking with Siamese Network
DAY 3 – Jan 14, 2021						Zhao, Pengyao; Liu, Quanli; Wang, Wei; Guo, Qiang		366	TSDM: Tracking by SiamRPN++ with a Depth-Refiner and a Mask-Generator
DAY 3 – Jan 14, 2021						Feng, Hangtao; Zhang, Lu; Yang, Xu; Liu, Zhiyong		369	MixedFusion: 6D Object Pose Estimation from Decoupled RGB-Depth Features

DAY 3 – Jan 14, 2021						Zhao, Na; Chua, Tat Seng; Lee, Gim Hee		380	PS*2-Net: A Locally and Globally Aware Network for Point-Based Semantic Segmentation		
DAY 3 – Jan 14, 2021						Liu, Yue; Lian, Zhichao		403	PSDNet: A Balanced Architecture of Accuracy and Parameters for Semantic Segmentation		
DAY 3 – Jan 14, 2021						Song, Yuda; Zhu, Yunfang; Du, Xin		408	Automatic Enhancement and Denoising of Extremely Low-Light Images		
DAY 3 – Jan 14, 2021						Li, Ang; Yuan, Zejian; Ling, Yonggen; Chi, Wanchao; Zhang, Shenghao; Zhang, Chong		409	FastCompletion: A Cascade Network with Multiscale Group-Fused Inputs for Real-Time Depth Completion		
DAY 3 – Jan 14, 2021						Komori, Hiroyuki; Onoguchi, Kazunori		464	Lane Detection Based on Object Detection and Image-To-Image Translation		
DAY 3 – Jan 14, 2021						Tsukahara, Takuya; Hirakawa, Tsubasa; Yamashita, Takayoshi; Fujiyoshi, Hironobu		572	Improving reliability of attention branch network by introducing uncertainty		
DAY 3 – Jan 14, 2021						Jiang, Tianling; Ji, Yi; Liu, Chunping		683	Integrating Historical States and Co-Attention Mechanism for Visual Dialog		
DAY 3 – Jan 14, 2021						Zhang, Yu; wu, xiaoyu; Zhu, Ruolin		702	Adaptive Word Embedding Module for Semantic Reasoning in Large-Scale Detection		
DAY 3 – Jan 14, 2021						Du, Shuaiyuan; Hong, Chaoyi; Pan, Zhiyu; Feng, Chen; Cao, Zhiguo		720	Parallel Network to Learn Novelty from the Known		
DAY 3 – Jan 14, 2021						Shim, Joo Yong; Kim, Joongheon; Kim, Jong-Kook		730	S2I-Bird: Sound-To-Image Generation of Bird Species Using Generative Adversarial Networks		
DAY 3 – Jan 14, 2021						Zhao, Kaikai; Imaseki, Takashi; Mouri, Hiroshi; Suzuki, Einoshin; Matsukawa, Tetsu		796	From Certain to Uncertain: Toward Optimal Solution for Offline Multiple Object Tracking		
DAY 3 – Jan 14, 2021						Zhong, Xian; Gu, Cheng; Huang, Wenxin; Li, Lin; Chen, Shuqin; Lin, Chia-Wen		838	Complementing Representation Deficiency in Few-Shot Image Classification: A Meta-Learning Approach		
DAY 3 – Jan 14, 2021						Wang, Zhuoying; Wang, Yongtao; Tang, Zhi; Li, Yangyan; Chen, Ying; Ling, Haibin; Lin, Weisi		1967	GSTO: Gated Scale-Transfer Operation for Multi-Scale Feature Learning in Semantic Segmentation		
DAY 3 – Jan 14, 2021						Fang, Fen; Xu, Qianli; Li, Liyuan; Gu, Ying; Lim, Joo-Hwee		1983	Detecting Objects with High Object Region Percentage		
DAY 3 – Jan 14, 2021						Li, Xiangzheng; Wu, Suping		1996	Multi-Attribute Regression Network for Face Reconstruction		
DAY 3 – Jan 14, 2021						Song, Li; Lam, Edmund Y.		2017	MBD-GAN: Model-Based Image Deblurring with a Generative Adversarial Network		
DAY 1 – Jan 12, 2021 - DAY 3 – Jan 14, 2021						Wang, Kuan-Hsun; Cheng, Chia Chun; Chen, Yi-Ling; Song, Yale; Lai, Shang-Hong		1467	OS T3.1	Attention-Based Deep Metric Learning for Near-Duplicate Video Retrieval	
DAY 2 – Jan 13, 2021 - DAY 3 – Jan 14, 2021						He, Ye; Zhu, Chao; Yin, Xu-Cheng		2316	OS T3.2	Mutual-Supervised Feature Modulation Network for Occluded Pedestrian Detection	
DAY 2 – Jan 13, 2021 - DAY 3 – Jan 14, 2021						Bian, Tianling; Hua, Yang; Song, Tao; Xue, Zhengui; Ma, Ruhui; Robertson, Neil; Guan, Haibing		2643	OS T3.2	VTT: Long-term Visual Tracking with Transformers	
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021						Li, Lei; Wu, Suping		1995	OS T3.3	DmifNet: 3D Shape Reconstruction Based on Dynamic Multi-Branch Information Fusion	
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021						Li, Yanan; Lin, Yuetan; Zhao, Hongrui; Wang, Donghui		1210	OS T3.6	Dual Path Multi-Modal High-Order Features for Textual Content Based Visual Question Answering	
DAY 3 – Jan 14, 2021											
Panel 3: Pattern Analysis for Industry	PA 3	Panel	Main Stage	3:00 PM	4:00 PM	Fabio Galasso Luca Bianchi Sweitze Roffel Franz Tschimben Giovanni Gualdi Daniele De Gregorio Donato Laico Andrea Ferretti	galasso@di.uniroma1.it luca.bianchi@neosperience.com S.Roffel@elsevier.com Franz.Tschimben@covisionlab.com Giovanni.Gualdi@deepvisionconsulting.com daniele.degregorio@eyecan.ai Donato.Laico@sacmi.it Andrea.Ferretti2@unicredit.eu				
DAY 3 – Jan 14, 2021											
Demo 3: Forensics and Biometrics	DEMO 3	Demo	Gather Town	3:00 PM	4:00 PM	Lorenzo Baraldi, Federico Becattini	lorenzo.baraldi@unimore.it, federico.becattini@unifi.it				Forensics and Biometrics
DAY 3 – Jan 14, 2021						Iacopo Masi, Kenneth Nadeau, Yash Doshi, Joe Mathai, Wael AbdAlmgaeed		D3.1			Scalable, Person-Agnostic Deepfake Detection In the Wild

DAY 3 – Jan 14, 2021						Prajwal K R, Rudrabha Mukhopadhyay, Sindhu Hegde, Vinay Namboodiri, C.V. Jawahar		D3.2	The Interplay of Speech and Lip Movements
DAY 3 – Jan 14, 2021						Irene Amerini, Luca Maiano, Roberto Caldelli, Leonardo Galteri, Alberto del Bimbo		D3.3	DeepFake Cracker: a novel tool for deepfake video detection
DAY 3 – Jan 14, 2021						Song Yan, Johan Wirta, Joni-Kristian Kamarainen		D3.4	Silhouette Body Measurement Benchmarks
DAY 3 – Jan 14, 2021						Ali Akbari, Ammarah Farooq, Syed Safwan Khalid, Chiho Chan, Junaid Awan, Zhenhua Feng, Tiangyang Xu, Soroush Fatemifar, Lei Ju, Muhammad Awais, Josef Kittler		D3.5	Cross-modal, Cross-domain Biometric Systems
DAY 3 – Jan 14, 2021						Hanen Akouaydi, Yahia Hamdi, Houcine Boubaker, Adel M. Alimi		D3.6	Children’s Online Arabic Handwriting Quality Evaluation & Analysis
DAY 3 – Jan 14, 2021						Upasana Tiwari, Rupayan Chakraborty, Sumit Divolia, Sunil Kumar Kopparapu		D3.7	Pipeline for XAI based Automatic Audio Call Audit
DAY 3 – Jan 14, 2021									
Demo 4: Machine Learning and Multimedia	DEMO 4	Demo	Gather Town	3:00 PM	4:00 PM	Matteo Stefanini, Lorenzo Seidenari	matteo.stefanini@unimore.it, lorenzo.seidenari@unifi.it		
DAY 3 – Jan 14, 2021						Fredéric Montet, Lorenz Rychener, Jean Hennebert, Jean-Philippe Bacher		D4.1	TimeAtlas - a Time Series Data Manipulation Tool for Python
DAY 3 – Jan 14, 2021						Enzo Tartaglione, Gianmarco Nuzzarello, Andrea Bragagnolo and Marco Grangetto		D4.2	Structured Sparsity on Embedded Devices
DAY 3 – Jan 14, 2021						Susan McKeever, Ihsan Ullah, Andre Rios		D4.3	XPLAINIT - A demonstrator for explaining deep learning models trained over structured data
DAY 3 – Jan 14, 2021						Axel Harstad, Henrik Høeiness, Gerald Friedland		D4.4	From Tinkering to Engineering: Measurements in Tensorflow Playground
DAY 3 – Jan 14, 2021						Miguel Domingo and Francisco Casacuberta		D4.5	Two Demonstrations of the Machine Translation Applications to Historical Documents
DAY 3 – Jan 14, 2021						Francesco Vannoni Pietro Bongini Federico Becattini Andrew David Bagdanov Alberto Del Bimbo		D4.6	Data Collection for Contextual and Visual Question Answering in the Cultural Heritage Domain
DAY 3 – Jan 14, 2021						Ines N. Teixeira, Paula Viana, Maria Teresa Andrade, Pedro Carvalho†, Luis Vilac, Jose Pedro Pinto, Tiago Costa, Stamatios Rapanakis, Pieter P. Jonker		D4.7	Creating automatic storytelling videos from still images: a semantically-aware approach
DAY 3 – Jan 14, 2021									
Challenge 5: Text Block Segmentation on the NewsEye Dataset	CH 5	Challenge	Live	3:00 PM	4:00 PM	Johannes Michael	johannes.michael@uni-rostock.de		
DAY 3 – Jan 14, 2021			Live			Max Weidemann et al.		CH5.1	Introduction to the ICPR 2020 Competition on Text Block Segmentation on a NewsEye Dataset
DAY 3 – Jan 14, 2021			Live			Max Weidemann et al.		CH5.2	Presentation of the participating teams and their methods
DAY 3 – Jan 14, 2021			Live			Max Weidemann et al.		CH5.3	Presentation of the results and announcement of the winning team
DAY 3 – Jan 14, 2021									
Challenge 6: Point Facial Landmark Localization	CH 6	Challenge	Live	3:00 PM	4:00 PM	Yinglu Liu	liuyinglu1@jd.com		
DAY 3 – Jan 14, 2021			Live			Yinglu Liu et al.		CH6.1	Opening Remarks
DAY 3 – Jan 14, 2021			Live			Zhen Xu et al.		CH6.2	Presentation from the winner teams 1
DAY 3 – Jan 14, 2021			Live			Duomin Wang, OPPO Research Institute		CH6.3	Presentation from the winner teams 2
DAY 3 – Jan 14, 2021			Live			Ziye Tong, Xi’an Jiaotong University & Meituan Q&A		CH6.4	Presentation from the winner teams 3
DAY 3 – Jan 14, 2021			Live			Yinglu Liu, JD Cloud & AI		CH6.5	Ceremony awards
DAY 3 – Jan 14, 2021	BR 8	Interlude		4:00 PM	4:30 PM				Visiting Milan
DAY 3 – Jan 14, 2021									

Track 1: Pattern Analysis and Applications	OS T1.6	Oral	Live	4:00 PM	5:00 PM	Walter Kropatsch, Pietro Zanuttigh	krw@prip.tuwien.ac.at, zanuttigh@dei.unipd.it			
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021			Live			Ghamsarian, Negin; Taschwer, Mario; Putzgruber, Doris; sarny, stephanie.; Schoeffmann, Klaus		3015	PS T1.16	Relevance Detection in Cataract Surgery Videos by Spatio-Temporal Action Localization
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021			Live			Kafali, Efthimia; Vretos, Nicholas; Semertzidis, Theodoros; Daras, Petros		484	PS T1.13	RobusterNet: Improving Copy-Move Forgery Detection with Volterra-Based Convolutions
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021			Live			Sunal, Cem Ekin; Willecocks, Chris G.; Obara, Boguslaw		1571	PS T1.14	Real Time Fencing Move Classification and Detection at Touch Time During a Fencing Match
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021			Live			Kolarik, Martin; Burget, Radim; Travieso-Gonzalez, Carlos M.; Kocica, Jan		1653	PS T1.15	Planar 3D Transfer Learning for End to End Unimodal MRI Unbalanced Data Segmentation
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Xu, Runsheng; Tafazzoli, Faezeh; Zhang, Li; Rehfeld, Timo; Krehl, Gunther; Seal, Arunava		2306	PS T1.7	Holistic Grid Fusion Based Stop Line Estimation
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Shakur, Ameer Hamza; Qian, Xiaoning; Wang, Zhangyang; Mortazavi, Bobak; Huang, Shuai		2974	PS T1.7	GPSRL: Learning Semi-Parametric Bayesian Survival Rule Lists from Heterogeneous Patient Data
DAY 3 – Jan 14, 2021										Action recognition
Track 3: Action and Activity Recognition-Oral	OS T3.4	Oral	Live	4:00 PM	5:00 PM	Simone Palazzo, Christian Micheloni	simone.palazzo@unict.it, christian.micheloni@unict.it			
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021			Live			Memmesheimer, Raphael; Theisen, Nick; Paulus, Dietrich		1264	PS T3.10	SL-DML: Signal Level Deep Metric Learning for Multimodal One-Shot Action Recognition
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021			Live			Zappardino, Fabio; Uricchio, Tiberio; Seidenari, Lorenzo; Del Bimbo, Alberto		2894	PS T3.10	Learning Group Activities from Skeletons without Individual Action Labels
DAY 3 – Jan 14, 2021 - DAY 2 – Jan 13, 2021			Live			Pan, Ge; Han, Zhang; yu, fan; Song, Yonghong; Zhang, Yuanlin; Yuan, Han		578	PS T3.4	You Ought to Look Around: Precise, Large Span Action Detection
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Shemer, Yair; Rotman, Daniel; Shimkin, Nahum		504	PS T3.9	ILS-SUMM: Iterated Local Search for Unsupervised Video Summarization
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Shavit, Yoli; Ferens, Ron		964	PS T3.9	Do We Really Need Scene-Specific Pose Encoders?
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021			Live			Roitberg, Alina; Haurilet, Monica; Martinez, Manuel; Stiefelbogen, Rainer		1086	PS T3.9	Uncertainty-Sensitive Activity Recognition: A Reliability Benchmark and the CARING Models
DAY 3 – Jan 14, 2021										
Track 1: Machine Learning and Neural Networks	PS T1.12	Poster	Gather Town	4:00 PM	5:00 PM	Enrico Fini	enrico.fini@unitn.it			
DAY 3 – Jan 14, 2021						Jonnalagedda, Padmaja; Weinberg, Brent; Allen, Jason; Min, Taejin; Bhanu, Shiv; Bhanu, Bir		1362		SAGE: Sequential Attribute Generator for Analyzing Glioblastomas using Limited Dataset
DAY 3 – Jan 14, 2021						RaviPrakash, Harish; Anwar, Syed; Bagci, Ulas		1595		Variational Capsule Encoder
DAY 3 – Jan 14, 2021						Guo, Rui; Ayinde, Babajide; Sun, Hao		1602		Efficient Shadow Detection and Removal using Synthetic Data with Domain Adaptation
DAY 3 – Jan 14, 2021						Zhang, Liming; Zhang, Wenbin; Japkowicz, Nathalie		1608		Conditional-UNet: A Condition-aware Deep Model for Coherent Human Activity Recognition From Wearables
DAY 3 – Jan 14, 2021						Han, Liang; Yin, Zhaozheng; Xia, Zhurong; Guo, Li; Tang, Mingqian; Jin, Rong		1623		Price Suggestion for Online Second-Hand Items
DAY 3 – Jan 14, 2021						Pasricha, Ravdeep; Devineni, Pravallika; Papalexakis, Evangelos; Kannan, Ramakrishnan		1719		Tensorized Feature Spaces for Feature Explosion
DAY 3 – Jan 14, 2021						Molokwu, Bonaventure Chidube; Shuvo, Shaon Bhatta; Kobti, Ziad; Kar, Narayan C.		1737		Social Network Analysis Using Knowledge-Graph Embeddings and Convolution Operations
DAY 3 – Jan 14, 2021						Li, Xiaobin; Wang, Weiqiang		1749		Energy Minimum Regularization in Continual Learning
DAY 3 – Jan 14, 2021						Yang, Xingyu; Meng, Mingyuan; Xiao, Shanlin; Yu, Zhiyi		1751		SPA: Stochastic Probability Adjustment for System Balance of Unsupervised SNNs

DAY 3 – Jan 14, 2021						Yanev, Nicola; Valev, Ventzeslav; Krzyzak, Adam; Ben Suliman, Karima		1772		Supervised Classification Using Graph-based Space Partitioning for Multiclass Problems
DAY 3 – Jan 14, 2021						Perera, Pramuditha; Patel, Vishal		1823		A Joint Representation Learning and Feature Modeling Approach for One-class Recognition
DAY 3 – Jan 14, 2021						Bai, Yongsheng; Sezen, Halil; Yilmaz, Alper		1835		End-To-End Deep Learning Methods for Automated Damage Detection in Extreme Events at Various Scales
DAY 3 – Jan 14, 2021						Ho, Chih-Hsing; Tsai, Shang-Ho		1849		RSAC: Regularized Subspace Approximation Classifier for Lightweight Continuous Learning
DAY 3 – Jan 14, 2021						Ye, Jiejia; Zhao, Juanjuan; Ye, Kejiang; Xu, Cheng-Zhong		1861		Multi-Graph Convolutional Network for Relationship-Driven Stock Movement Prediction
DAY 3 – Jan 14, 2021						Rippel, Oliver; Mertens, Patrick; Merhof, Dorit		1864		Modeling the Distribution of Normal Data in Pre-Trained Deep Features for Anomaly Detection
DAY 3 – Jan 14, 2021						Li, Honglin; Fan, Yifei; Ganz, Frieder; Yezzi, Anthony; Barnaghi, Payam		1872		Verifying the Causes of Adversarial Examples
DAY 3 – Jan 14, 2021						Yang, Fu-En; Chang, Jing-Cheng; Lee, Yuan-Hao; Wang, Yu-Chiang		1877		Dual-MTGAN: Stochastic and Deterministic Motion Transfer for Image-To-Video Synthesis
DAY 3 – Jan 14, 2021						Horváth, András; Al-Afandi, Jalal		1880		Filtered Batch Normalization
DAY 3 – Jan 14, 2021						Jarboui, Firas; Perchet, Vianney		1883		Trajectory Representation Learning for Multi-Task NMRDP Planning
DAY 3 – Jan 14, 2021						Kao, Hsuan-Kai; Lee, Cheng-Che; Chiu, Wei-Chen		1889		Learning Low-Shot Generative Networks for Cross-Domain Data
DAY 3 – Jan 14, 2021						Özcan, Bar; Knl, Furkan; Kirac, Mustafa Furkan		1899		Quaternion Capsule Networks
DAY 3 – Jan 14, 2021						Soltani, Mohammadreza; Wu, Suyu; Ding, Jie; Ravier, Robert; Tarokh, Vahid		1941		On the Information of Feature Maps and Pruning of Deep Neural Networks
DAY 3 – Jan 14, 2021						K C, Kishan; Cui, Feng; Haake, Anne; Li, Rui		1975		Interpretable Structured Learning with Sparse Gated Sequence Encoder for Protein-Protein Interaction Prediction
DAY 3 – Jan 14, 2021						Ding, Pak Lun Kevin; Sarah, Martin; Li, Baoxin		1982		Improving Batch Normalization with Skewness Reduction for Deep Neural Networks
DAY 3 – Jan 14, 2021						Garg, Yash; Candan, K. Selcuk		1998		SDMA: Saliency Driven Mutual Cross Attention for Multi-Variate Time Series
DAY 3 – Jan 14, 2021						Huang, Zhitong; Suen, Ching Y		2004		Identity-Preserved Face Beauty Transformation with Conditional Generative Adversarial Networks
DAY 3 – Jan 14, 2021						Lyu, Yecheng; Li, Ming; Huang, Xinming; Guler, Ulkuhan; Schaumont, Patrick; Zhang, Ziming		2062		TreeRNN: Topology-Preserving Deep Graph Embedding and Learning
DAY 3 – Jan 14, 2021						Hallonquist, Neil; Younes, Laurent; Geman, Donald		2065		Graph Discovery for Visual Test Generation
DAY 3 – Jan 14, 2021						Liu, Xiaofeng; Hu, Bo; Liu, Xiongchang; Lu, Jun; You, Jane; Kong, Lingsheng		2067		Energy-Constrained Self-Training for Unsupervised Domain Adaptation
DAY 3 – Jan 14, 2021						Zamora Esquivel, Julio; Cruz Vargas, Jesus Adan; Lopez-Meyer, Paulo; Cordourier Maruri, Hector Alfonso; Camacho Perez, Jose Rodrigo; Tickoo, Omesh		2078		Fractional Adaptation of Activation Functions in Neural Networks
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021						Wang, Chen; Deng, Chengyuan		2336	OS T1.5	On the Global Self-Attention Mechanism for Graph Convolutional Networks
DAY 3 – Jan 14, 2021										
Track 3: Computer Vision and Analysis of Humans										
	PS T3.9	Poster	Gather Town	4:00 PM	5:00 PM	Yue Song	yue.song@unitn.it			
DAY 3 – Jan 14, 2021						Niloy, Fahim Faisal; ., Arif; Nayem, Abu Bakar Siddik; Sarker, Anis; Paul, Ovi; Amin, M Ashraf; Ali, Amin Ahsan; Zaber, Moinul Islam; Rahman, AKMMahbubur		1405		A Novel Disaster Image Data-Set and Characteristics Analysis Using Attention Model
DAY 3 – Jan 14, 2021						Lotfian, Sina; Foroosh, Hassan		1416		Multi-Scale Keypoint Matching
DAY 3 – Jan 14, 2021						Hati, Avik; Bustreo, Matteo; Sona, Diego; Murino, Vittorio; Del Bue, Alessio		1512		Weakly Supervised Geodesic Segmentation of Egyptian Mummy CT Scans
DAY 3 – Jan 14, 2021						Wang, Haiyan; Yang, Liang; Rong, Xuejian; Tian, Ying-li		1513		Towards Efficient 3D Point Cloud Scene Completion Via Novel Depth View Synthesis

Track 5: Image Processing and Understanding by Learning	PS T5.6	Poster	Gather Town	4:00 PM	5:00 PM	Willi Menapace	willi.menapace@unitn.it		
DAY 3 – Jan 14, 2021						Ibrahim, Yahya; Nagy, Balázs; Benedek, Csaba		963	A GAN-Based Blind Inpainting Method for Masonry Wall Images
DAY 3 – Jan 14, 2021						Guo, Bingqing; Hao, Pengwei		1030	Interactive Style Space of Deep Features and Style Innovation
DAY 3 – Jan 14, 2021						Lamy, Jonas; Merveille, Odyssee; Kerautret, Bertrand; Passat, Nicolas; Vacavant, Antoine		1031	Vesselness Filters: A Survey with Benchmarks Applied to Liver Imaging
DAY 3 – Jan 14, 2021						Kelm, André Peter; Zölzer, Udo		1125	Walk the Lines: Object Contour Tracing CNN for Contour Completion of Ships
DAY 3 – Jan 14, 2021						Xin, Ning; Xu, Shaohui; Nan, fangzhe; Dong, Xiaoli; Li, Weijun; Yao, Yuanzhou		1201	Continuous Learning of Face Attribute Synthesis
DAY 3 – Jan 14, 2021						Shuvo, Md Maruf Hossain; Kassim, Yasmin M.; Bunyak, Filiz; Glinskii, Olga V.; Xie, Leike; Glinsky, Vladislav V.; Huxley, Virginia H.; Thakkar, Mahesh M.; Palaniappan, Kannappan		1209	Multi-focus Image Fusion for Confocal Microscopy Using U-Net Regression Map
DAY 3 – Jan 14, 2021						Aprea, Federica; Marrone, Stefano; Sansone, Carlo		1211	Neural Machine Registration for Motion Correction in Breast DCE-MRI
DAY 3 – Jan 14, 2021						Bouyssoux, Alexandre; Fezzani, Riadh; Olivo-Marin, Jean-Christophe		1228	Extended Depth of Field Preserving Color Fidelity for Automated Digital Cytology
DAY 3 – Jan 14, 2021						Pham, Luan; huynh, vu; Tran, TuanAnh		1251	Facial Expression Recognition Using Residual Masking Network
DAY 3 – Jan 14, 2021						Ding, Yuhe; Ma, Xin; Luo, Mandi; Zheng Aihua; He, Ran		1252	Unsupervised Contrastive Photo-To-Caricature Translation Based on Auto-Distortion
DAY 3 – Jan 14, 2021						Brahim, Khawala; qayyum, Abdull; Lalande, Alain; BOUCHER, Arnaud; sakly, Anis; Meriaudeau, Fabrice		1255	A Deep Learning Approach for the Segmentation of Myocardial Diseases
DAY 3 – Jan 14, 2021						Ghose, Shuvozit; Chowdhury, Pinaki Nath; Roy, Partha Pratim; Pal, Umapada		1305	Modeling Extent-Of-Texture Information for Ground Terrain Recognition
DAY 3 – Jan 14, 2021						Krasniewski Jakub, Dabala Lukasz, Lewandowski Marcin		1317	Hyperspectral Imaging for Analysis and Classification of Plastic Waste
DAY 3 – Jan 14, 2021						Zhang, Donglin; Wu, Xiaojun; Liu, Zhen; Yu, Jun; Kittler, Josef		1328	Fast Discrete Cross-Modal Hashing Based on Label Relaxation and Matrix Factorization
DAY 3 – Jan 14, 2021						Ozkan, Savas; Akar, Gözde Bozda; Guzhov, Andrey; Raue, Federico; Hees, Jörn; Dengel, Andreas		1359	Exploiting Local Indexing and Deep Feature Confidence Scores for Fast Image-To-Video Search
DAY 3 – Jan 14, 2021								1361	ESResNet: Environmental Sound Classification Based on Visual Domain Models
DAY 3 – Jan 14, 2021						Wilms, Christian; Frintrop, Simone		1369	Superpixel-based Refinement for Object Proposal Generation
DAY 3 – Jan 14, 2021						Guo, Siyu; Hu, Pingping; Ling, zhigang; Wen, He; Liu, Min; Tang, Lu		1400	Exact and Convergent Iterative Methods to Compute the Orthogonal Point-To-Ellipse Distance
DAY 3 – Jan 14, 2021						Sáenz Gamboa, Jhon Jairo; de la Iglesia-Vaya, Maria; Gómez, Jon Ander		1427	Automatic Semantic Segmentation of Structural Elements related to the Spinal Cord in the Lumbar Region by Using Convolutional Neural Networks
DAY 3 – Jan 14, 2021						Braeger, Sarah; Foroosh, Hassan		1429	Improving Image Matching with Varied Illumination
DAY 3 – Jan 14, 2021						Renaudeau, Arthur; Seng, Travis; Carlier, Axel; Durou, Jean-Denis; Pierre, Fabien; Lauze, Francois; Aujo, Jean-François		1434	Learning Defects in Old Movies from Manually Assisted Restoration
DAY 3 – Jan 14, 2021						Gupta, Krishnam; Rampure, Jaiprasad; Krishnan, Monu; Narayanan, Ajit; Narayan, Nikhil		1436	Dual Stream Network with Selective Optimization for Skin Disease Recognition in Consumer Grade Images
DAY 3 – Jan 14, 2021						Chelali, Mohamed; Kurtz, Camille; Puissant, Anne; Vincent, Nicole		1451	Classification of spatially enriched pixel time series with convolutional neural networks
DAY 3 – Jan 14, 2021						Liu, Hong; Wang, Yawei; Yang, Bing		1459	Mutual Alignment between Audiovisual Features for End-To-End Audiovisual Speech Recognition
DAY 3 – Jan 14, 2021						Lu, Hongchao; Deng, Zhidong		1462	A Boundary-Aware Distillation Network for Compressed Video Semantic Segmentation
DAY 3 – Jan 14, 2021						Laha, Sumit; Sharma, Ankit; Hu, Shengnan; Foroosh, Hassan		1472	Near-Infrared Depth-Independent Image Dehazing using Haar Wavelets

DAY 3 – Jan 14, 2021						Yang, Hanmei; zhang, Heng; Luo, Ye; Lu, Jianwei; Lu, Jian		1473		Ultrasound Image Restoration Using Weighted Nuclear Norm Minimization
DAY 3 – Jan 14, 2021						Casella, Alessandro; Moccia, Sara; Carlini, Chiara; Frontoni, Emanuele; De Momi, Elena; Mattos, Leonardo		1674		NephCNN: A deep-learning framework for vessel segmentation in nephrectomy laparoscopic videos
DAY 3 – Jan 14, 2021						Tworski, Marcelin; lathuiliere, Stéphane; Belkarfa, Salim; Fiandrotti, Attilio; Cagnazzo, Marco		1678		DR2S: Deep Regression with Region Selection for Camera Quality Evaluation
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021				4:00 PM	5:00 PM	Nguyen, Quan; Richter, Julius; Lauri, Mikko; Gerkmann, Timo; Frintrop, Simone		1598	OS T5.4	Improving Mix-And-Separate Training in Audio-Visual Sound Source Separation with an Object Prior
DAY 3 – Jan 14, 2021 - DAY 3 – Jan 14, 2021				4:00 PM	5:00 PM	Greco, Antonio; Roberto, Antonio; Saggese, Alessia; Vento, Mario		2163	OS T5.4	Which are the factors affecting the performance of audio surveillance systems?
DAY 3 – Jan 14, 2021										
	KE 6	Plenary 3	Main Stage	5:00 PM	6:00 PM	Alberto del Bimbo, Vittorio Murino	alberto.delbimbo@unifi.it, vittorio.murino@univr.it			
		Invited Keynote				Pietro Perona				Measuring algorithmic bias in face analysis — towards an experimental approach
Day date	Session code	Session type	Presentation mode	Session start time	Session end time	Session chair/Authors		Paper id	Also presented in	
DAY 4 - January 15				CET	CET					
DAY 4 – Jan 15, 2021	FE 1	IAPR Fellow award ceremony	Main Stage	12:00 PM	1:00 PM	Apostolos Antonacopoulos, Massimo Tistarelli	A.Antonacopoulos@pri.maresearch.org, tista@uniss.it			
DAY 4 – Jan 15, 2021	BR 9	Interlude		1:00 PM	1:30 PM					Visiting Milan
DAY 4 – Jan 15, 2021 Track 1: Understanding Deep Learning	OS T1.7	Oral	Live	1:00 PM	2:00 PM	Stephane Lathuilière, Fabio Galasso	stephane.lathuiliere@telcom-paris.fr, fabio.galasso@gmail.com			
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Ahmetoglu, Alper; Alpaydin, Ethem		85	PS T1.13	Hierarchical Mixtures of Generators for Adversarial Learning
DAY 4 – Jan 15, 2021 - DAY 3 - Jan 14, 2021			Live			Wu, You-Feng; Tran, Vu-Hoang; Chang, Ting-Wei; Chiu, Wei-Chen; Huang, Ching-Chun		420	PS T1.9	DEN: Disentangling and Exchanging Network for Depth Completion
DAY 4 – Jan 15, 2021 - DAY 3 - Jan 14, 2021			Live			Jung, Jay Hoon; Kwon, YoungMin P, Aditya Sreekar; Tiwari, Ujjwal; Nambodiri, Anoop		1648	PS T1.9	Boundaries of Single-Class Regions in the Input Space of Piece-Wise Linear Neural Networks
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Jansson, Ylva; Lindeberg, Tony Berg, Axel; Oskarsson, Magnus; OConnor, Mark		3000	PS T1.13	Reducing the Variance of Variational Estimates of Mutual Information by Limiting the Critic's Hypothesis Space to RKHS
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live					487	PS T1.14	Exploring the Ability of CNNs to Generalise to Previously Unseen Scales Over Wide Scale Ranges
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live					850	PS T1.14	Deep Ordinal Regression with Label Diversity
DAY 4 – Jan 15, 2021 Track 2: Human Poses, Faces and Fingerprints	OS T2.3	Oral	Live	1:00 PM	2:00 PM	Julian Fierrez, Gian Luca Marcialis	julian.fierrez@uam.es, marcialis@unica.it			
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Gu, Renshu; Wang, Gaoang; Hwang, Jenq-Neng		2263	PS T2.3	Exploring Severe Occlusion: Multi-Person 3D Pose Estimation with Gated Convolution
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Yang, Zhengyuan; Li, Yuncheng; Yang, Linjie; Zhang, Ning; Luo, Jiebo		78	PS T2.5	Weakly Supervised Body Part Segmentation with Pose Based Part Priors
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Chen, Zerui; Huang, Yan; Wang, Liang		1456	PS T2.3	On the Robustness of 3D Human Pose Estimation
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			D'Eusanio, Andrea; Pini, Stefano; Borghi, Guido; Vezzani, Roberto; Cucchiara, Rita		749	PS T2.2	RefiNet: 3D Human Pose Refinement with Depth Maps

DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Casula, Roberto; Orrù, Giulia; Angioni, Daniele; Feng, Xiaoyi; Marcialis, Gian Luca; Roli, Fabio			1006	PS T2.2	Are Spoofs from Latent Fingerprints a Real Threat for the Best State-Of-Art Liveness Detectors?
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Deb, Debayan; Aggarwal, Divyansh; Jain, Anil			2941	PS T2.5	Identifying Missing Children: Face Age-Progression via Deep Feature Aging
DAY 4 – Jan 15, 2021 Track 3: Object Detection, Localization, and Classification	OS T3.5	Oral	Live	1:00 PM	2:00 PM	Xirong Li, Kiyoharu Aizawa	xirong@ruc.edu.cn, aizawa@hal.tu-tokyo.ac.jp				
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021			Live			Zhang, Huigang; Wang, Liuan; sun, jun; Sun, Li; Kobashi, Hiromichi; Imamura, Nobutaka			551	PS T3.7	NAS-EOD: An End-To-End Neural Architecture Search Method for Efficient Object Detection
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Patanè, Marco; Fusiello, Andrea			1839	PS T3.10	Vehicle Classification from Profile Measures
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Pasqualino, Giovanni; Furnari, Antonino; Farinella, Giovanni Maria			444	PS T3.11	Unsupervised Domain Adaptation for Object Detection in Cultural Sites
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Chen, Shengjia; Li, Zhixin; Huang, Feicheng; Zhang, Canlong; Ma, Huifang			980	PS T3.4	Object Detection Using Dual Graph Network
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Wang, Jinwang; Yang, Wen; Guo, Haowen; Zhang, Ruixiang; Xia, Gui-Song			1079	PS T3.4	Tiny Object Detection in Aerial Images
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Meethal, Akhil; Pedersoli, Marco; Belharbi, Soufiane; Granger, Eric			2821	PS T3.6	Convolutional STN for Weakly Supervised Object Localization
DAY 4 – Jan 15, 2021 Track 3: Computer Vision and Neural Network Applications	OS T3.6	Oral	Live	1:00 PM	2:00 PM	Hedvig Kjellström, Alessia Saggese	hedvig@kth.se, asaggese@unisa.it				
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021			Live			Xu, Nuo; Huo, Chunlei; Guo, Jiacheng; Liu, Yiwei; Wang, Jian; PAN, Chunhong			32	PS T3.7	Adaptive Remote Sensing Image Attribute Learning for Active Object Detection
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021			Live			Li, Yanan; Lin, Yuetan; Zhao, Hongrui; Wang, Donghui			1210	PS T3.8	Dual Path Multi-Modal High-Order Features for Textual Content Based Visual Question Answering
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Bhayani, Snehal; Kukulova, Zuzana; Heikkilä, Janne			1668	PS T3.11	Computing Stable Resultant-Based Minimal Solvers by Hiding a Variable
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Ferianc, Martin; Fan, Hongxiang; Rodrigues, Miguel			2003	PS T3.11	VINNAS: Variational Inference-based Neural Network Architecture Search
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Wang, Yunlong; Zhang, Kunbo; Sun, Zhenan			775	PS T3.4	A Novel Deep-Learning Pipeline for Light Field Image Based Material Recognition
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021			Live			Krishna, Onkar; Irie, Go; Kawanishi, Takahito; Kashino, Kunio; Aizawa, Kiyoharu			340	PS T3.7	Translating Adult's Focus of Attention to Elderly's
DAY 4 – Jan 15, 2021 Track 4: Scene Text Detection and Recognition	OS T 4.2	Oral	Live	1:00 PM	2:00 PM	Dimosthenis Karatzas, Enrique Vidal	dimos@cvc.uab.es, evidal@prhlt.upv.es				
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Qian, Xijun; Liu, Yifan; Yang Yu-Bin			924	PS T4.2	An Accurate Threshold Insensitive Kernel Detector for Arbitrary Shaped Text
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Dasgupta, Kinjal; Das, Sudip; Bhattacharya, Ujjwal			955	PS T4.2	Stratified Multi-Task Learning for Robust Spotting of Scene Texts
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Chen, Yudi; Wang, Wei; Zhou, Yu; Yang, Fei; Yang, Dongbao; Wang, Weiping			407	PS T4.2	Self-Training for Domain Adaptive Scene Text Detection
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021			Live			Zhao, Mengbiao; Feng, Wei; Yin, Fei; Zhang, Xu-Yao; Liu, Cheng-Lin			1925	PS T4.3	Mutually Guided Dual-Task Network for Scene Text Detection
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021			Live			Wu, Shudeng; Dai, Tao; Meng, Guanghao; Chen, Bin; Lu, Jian; Xia, Shutao			2469	PS T4.3	Transferable Adversarial Attacks for Deep Scene Text Detection Label or Message: A Large-Scale Experimental Survey of Texts and Objects Co-Occurrence
DAY 4 – Jan 15, 2021 - DAY 3 – Jan 14, 2021			Live			Takeshita, Koki; Shioyama, Juntaro; Uchida, Seiichi			1698	PS T4.3	
DAY 4 – Jan 15, 2021 Track 5: Medical Imaging	OS T5.5	Oral	Live	1:00 PM	2:00 PM	Selim Aksoy, Costantino Grana	saksoy@cs.bilkent.edu.tr, costantino.grana@unimore.it				

DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Degirmendereli, Gonul; Yarman Vural, Fatos		1622	PS T5.8	Estimating Static and Dynamic Brain Networks by Kulback-Leibler Divergence from fMRI Data
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Luo, Jiaqi; zhao, zhicheng; Su, Fei; Guo, Limei		553	PS T5.3	Triplet-Path Dilated Network for Detection and Segmentation of General Pathological Images
DAY 4 – Jan 15, 2021 - DAY 2 – Jan 13, 2021			Live			Chen, Wei; Wang, Qiuli; Yang, Dan; Zhang, Xiaohong; Liu, Chen; Li, Yucong		1862	PS T5.3	End-To-End Multi-Task Learning for Lung Nodule Segmentation and Diagnosis
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Farfan Cabrera, Diana Lucia; Gogin, Nicolas; Morland, David; Naegel, Benoît; Papanthassiou, Dimitri; Passat, Nicolas		1847	PS T5.8	Segmentation of Axillary and Supraclavicular Tumor Lymph Nodes in PET/CT: A Hybrid CNN/Component-Tree Approach
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Zhao, Zhou; Puybareau, Elodie; Boutry, Nicolas; Geraud, Thierry		2054	PS T5.8	Do Not Treat Boundaries and Regions Differently: An Example on Heart Left Atrial Segmentation
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Nik Aznan, Nik Khadijah; Atapour-Abarghouei, Amir; Bonner, Stephen; Connolly, Jason; Breckon, Toby		2896	PS T5.8	Leveraging Synthetic Subject Invariant EEG Signals for Zero Calibration BCI
DAY 4 – Jan 15, 2021										
Challenge 7: AcTiVComp	CH 7	Challenge	Live	1:00 PM	2:00 PM	Oussama Zayene	oussama.zayene@hefr.ch			
DAY 4 – Jan 15, 2021			Live			Lokesh Nandanwar et al.		CH7.1		EffDB-UNet method
DAY 4 – Jan 15, 2021			Live			Michael Jungo et al.		CH7.2		Text-Fcos method
DAY 4 – Jan 15, 2021			Live			Shanyu Xiao et al.		CH7.2		THDL-Det method
DAY 4 – Jan 15, 2021			Live			Ruijie Yan et al.		CH7.3		THDL-Rec method
DAY 4 – Jan 15, 2021			Live			Abdul Rehman et al.		CH7.4		ArabOCR method
DAY 4 – Jan 15, 2021			Live					CH7.5		Discussion
DAY 4 – Jan 15, 2021										
	KE 7	Plenary 4	Main Stage	2:00 PM	3:00 PM	Simone Marinai, Kim Boyer	simone.marinai@unifi.it, kboyer3@albany.edu			
						David Doermann				Document Integrity in an AI World
DAY 4 – Jan 15, 2021										
	BR 10	Interlude		3:00 PM	3:30 PM					Visiting Milan
DAY 4 – Jan 15, 2021										
Track 1: Scene Analysis, Learning, and Datasets	OS T1.8	Oral	Live	3:00 PM	4:00 PM	Riccardo Leonardi, Bob Fisher	riccardo.leonardi@unibs.it, rbf@inf.ed.ac.uk			
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Sovrasov, Vladislav; Sidnev, Dmitry		360	PS T1.15	Building Computationally Efficient and Well-Generalizing Person Re-Identification Models with Metric Learning
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Azimi, Seyed Majid; Bahmanyar, Reza; Henry, Corentin; Franz, Kurz		1923	PS T1.16	EAGLE: Large-Scale Vehicle Detection Dataset in Real-World Scenarios Using Aerial Imagery
DAY 4 – Jan 15, 2021 - DAY 3 - Jan 14, 2021			Live			Li, Dehui; Cao, Zhiguo; Xian, Ke; Qi, Xinyuan; Zhang, Chao; Lu, Hao		127	PS T1.9	Multi-Direction Convolution for Semantic Segmentation
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Yang, Yuchen; Ray, Nilanjan		1927	PS T1.15	Foreground-Focused Domain Adaption for Object Detection
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021			Live			Cai, Xumin; Aydin, Berkay; Ji, Anli; Angryk, Rafal		1553	PS T1.16	A Framework for Local Outlier Detection from Spatio-Temporal Trajectory Datasets
DAY 4 – Jan 15, 2021 - DAY 3 - Jan 14, 2021			Live			Zhong, Tao; Kim, Wonjik; Tanaka, Masayuki; Okutomi, Masatoshi		485	PS T1.9	Human Segmentation with Dynamic LiDAR Data
DAY 4 – Jan 15, 2021										
Track 1: Neural Networks for Pattern Recognition	PS T1.13	Poster	Gather Town	3:00 PM	4:00 PM	Marco Fiorucci	Marco.Fiorucci@iit.it			
DAY 4 – Jan 15, 2021						Li, Xiu-Chuan; Zhang, Xu-Yao; Yin, Fei; Liu, Cheng-Lin		336		F-Mixup: Attack CNNs from Fourier Perspective
DAY 4 – Jan 15, 2021						He, Tongze; Guo, Caili; Chu, Yunfei		339		Enhanced User Interest and Expertise Modeling for Expert Recommendation
DAY 4 – Jan 15, 2021						Dai, Huangpeng; Xie, Qing; Ma, Yanchun; Liu, Yongjian; Xiong, Shengwu		347		RGB-Infrared Person Re-Identification Via Image Modality Conversion
DAY 4 – Jan 15, 2021						Akai, Ryota; Utsumi, Yuzuko; Miwa, Yuka; Iwamura, Masakazu; Kise, Koichi		349		Distortion-Adaptive Grape Bunch Counting for Omnidirectional Images
DAY 4 – Jan 15, 2021						Zhang, Ziming		362		An Efficient Empirical Solver for Localized Multiple Kernel Learning Via DNNs

Track 1: Pattern Recognition, Machine Learning, and NN Architectures		PS T1.14	Poster	Gather Town	3:00 PM	4:00 PM	Giacomo Zara	giacomo.zara@unitn.it			
DAY 4 – Jan 15, 2021							Parashar, Jayant; Bhandarkar, Suchendra; Simon, Jacob; Hopkinson, Brian; Pennings, Steven		823		Estimation of Abundance and Distribution of SaltMarsh Plants from Images Using Deep Learning
DAY 4 – Jan 15, 2021							Jens, Schreiber; Sick, Bernhard		834		Emerging Relation Network and Task Embedding for Multi-Task Regression Problems.pdf
DAY 4 – Jan 15, 2021							Santos, Claudio Filipi Gonçalves; Colombo, Danilo; Roder, Mateus; Papa, Joao Paulo		835		MaxDropout: Deep Neural Network Regularization Based on Maximum Output Values
DAY 4 – Jan 15, 2021							Alves de Barros, Pablo Vinicius; Tanevska, Ana; Sciutti, Alessandra		846		Learning from Learners: Adapting Reinforcement Learning Agents to be Competitive in a Card Game.
DAY 4 – Jan 15, 2021							Oyedotun, Oyebade Kayode; Shabayek, Abd El Rahman; Aouada, Djamila; Ottersten, Bjorn		847		Revisiting the Training of Very Deep Neural Networks without Skip Connections
DAY 4 – Jan 15, 2021							Chen, Chen; Dou, Hao; Hu, Xiyuan; Peng, Silong		848		Deep Top-Rank Counter Metric for Person Re-Identification
DAY 4 – Jan 15, 2021							Men, Qianhui; Ho, Edmond S. L.; Shum, Hubert P. H.; Leung, Howard		858		A Two-Stream Recurrent Network for Skeleton-Based Human Interaction Recognition
DAY 4 – Jan 15, 2021							Orozco-Alzate, Mauricio; Bicego, Manuele		861		A Cheaper Rectified-Nearest-Feature-Line-Segment Classifier Based on Safe Points
DAY 4 – Jan 15, 2021							Nguyen.Meidine, Le Thanh; Granger, Eric; Pedersoli, Marco; Kiran, Madhu; Blais-Morin, Louis-Antoine		864		Progressive Gradient Pruning for Classification, Detection and Domain Adaptation
DAY 4 – Jan 15, 2021							Hou, Yufan; Zou, Lixin; Liu, Weidong		874		Task-based Focal Loss for Adversarially Robust Meta-Learning
DAY 4 – Jan 15, 2021							Spadotto, Teo; Toldo, Marco; Michieli, Umberto; Zanuttigh, Pietro		879		Unsupervised Domain Adaptation with Multiple Domain Discriminators and Adaptive Self-Training
DAY 4 – Jan 15, 2021							Liu, Xinyue; Yang, Shichong; Zong, Linlin		883		Constrained Spectral Clustering Network with Self-Training
DAY 4 – Jan 15, 2021							Chen, Chaofan		886		A General Model for Learning Node and Graph Representations Jointly
DAY 4 – Jan 15, 2021							Tang, Xunzhu; Zhu, Rujie; Sun, Tiezhu; Wang, Shi		891		Moto: Enhancing Embedding with Multiple Joint Factors for Chinese Text Classification
DAY 4 – Jan 15, 2021							Tang, Xunzhu; Sun, Tiezhu; Zhu, Rujie; Wang, Shi		892		CKG: Dynamic Representation Based on Context and Knowledge Graph
DAY 4 – Jan 15, 2021							Narita, Minoru; Kimura, Daiki; Imamura, Takeshi		895		Automatic Detection of Stationary Waves in the Venus Atmosphere Using Deep Generative Models
DAY 4 – Jan 15, 2021							Quispe, Rodolfo; Pedrini, Helio		914		Top-DB-Net: Top DropBlock for Activation Enhancement in Person Re-Identification
DAY 4 – Jan 15, 2021							chen, ken; Wu, Yichao; Li, Zhenmao; wu, yudong; liang, ding		920		Face Image Quality Assessment for Model and Human Perception
DAY 4 – Jan 15, 2021							Li, Yunzhe; Zheng, Hui; Zhu, He; Ai, Haojun; Dong, Xiaowei		926		Cross-People Mobile-Phone Based Airwriting Character Recognition
DAY 4 – Jan 15, 2021							vincenzi, stefano; Porrello, Angelo; Buzzega, Pietro; Cipriano, Marco; Fronte, Pietro; Cuccu, Roberto; Ippoliti, Carla; Conte, Annamaria; Calderara, Simone		932		The Color Out of Space: Learning Self-Supervised Representations for Earth Observation Imagery
DAY 4 – Jan 15, 2021							Pucci, Rita; Micheloni, Christian; Foresti, Gian Luca; Martinel, Niki		934		Fixed Simplex Coordinates for Angular Margin Loss in CapsNet
DAY 4 – Jan 15, 2021							Youcef, Djenouri; Hjelmervik, Jon		940		Hybrid Decomposition Convolution Neural Network and Vocabulary Forest for Image Retrieval
DAY 4 – Jan 15, 2021							Chen, Shannan; Wang, Qian; Sun, Qiule; Liu, Bin; Zhang, Jianxin; Zhang, Qiang		941		Second-Order Attention Guided Convolutional Activations for Visual Recognition
DAY 4 – Jan 15, 2021							wang, rui; Huang, Huaibo; Zheng, Aihua; He, Ran		942		Attentional Wavelet Network for Traditional Chinese Painting Transfer
DAY 4 – Jan 15, 2021							Alqahtani, Ali; Xie, Xianghua; Essa, Ehab; Jones, Mark W.		944		Neuron-Based Network Pruning Based on Majority Voting
DAY 4 – Jan 15, 2021							Zorzi, Stefano; Bittner, Ksenia; Fraundorfer, Friedrich		945		Machine-Learned Regularization and Polygonization of Building Segmentation Masks

DAY 4 – Jan 15, 2021						Lim, Sangrak; Lee, Yong Oh		957	Predicting Chemical Properties Using Self-Attention Multi-Task Learning Based on SMILES Representation
DAY 4 – Jan 15, 2021						Do, Thien; Van, Pham; Nguyen, Anh; Dang, Trung; Nguyen, Quoc; Hoang, Bach; Nguyen, Giao		959	Anime Sketch Colorization by Component-Based Matching Using Deep Appearance Features and Graph Representation
DAY 4 – Jan 15, 2021								968	Enhanced Feature Pyramid Network for Semantic Segmentation
DAY 4 – Jan 15, 2021						Daoud, Bilel; Morooka, Ken'ichi; Miyauchi, Shoko; Kurazume, Ryo; Mnejja, Wafa; Farhat, Leila; Daoud, Jamel		976	A Deep Learning-Based Method for Predicting Volumes of Nasopharyngeal Carcinoma for Adaptive Radiation Therapy Treatment
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021						Sunal, Cem Ekin; Willcocks, Chris G.; Obara, Boguslaw		1571	OS T1.6 Real Time Fencing Move Classification and Detection at Touch Time During a Fencing Match
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021						Jansson, Ylva; Lindeberg, Tony Berg, Axel; Oskarsson, Magnus; OConnor, Mark		487	OS T1.7 Exploring the Ability of CNNs to Generalise to Previously Unseen Scales Over Wide Scale Ranges
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021								850	OS T1.7 Deep Ordinal Regression with Label Diversity
DAY 4 – Jan 15, 2021									
Track 2: Biometrics, Faces, and Analysis of Humans	PS T2.5	Poster	Gather Town	3:00 PM	4:00 PM	Yi Fang	yf23@nyu.edu		
DAY 4 – Jan 15, 2021						Xin Zhong; Zhang, Zhiyuan		1788	3D Dental Biometrics: Automatic Pose-invariant Dental Arch Extraction and Matching
DAY 4 – Jan 15, 2021						Prommegger, Bernhard; Wimmer, Georg; Uhl, Andreas		1796	Rotation Detection in Finger Vein Biometrics using CNNs
DAY 4 – Jan 15, 2021						Bai, Sikai; Wang, Qi; Li, Xuelong		1846	MFI: Multi-Range Feature Interchange for Video Action Recognition
DAY 4 – Jan 15, 2021						Bautista, Louise Gillian C.; Naval, Prospero		1946	GazeMAE: General Representations of Eye Movements Using a Micro-Macro Autoencoder
DAY 4 – Jan 15, 2021						Balazia, Michal; Happy, S L; Bremond, Francois; Dantcheva, Antitza		1959	How Unique is a Face: An Investigative Study
DAY 4 – Jan 15, 2021						Tsai, Wen-Jiin; Jhuang, You-Ying, You-Ying		1973	DeepPear: Deep Pose Estimation and Action Recognition
DAY 4 – Jan 15, 2021						Zheng, XiaoQiang; Yu, ZhenXia; chen, lin; Zhu, Fan; Wang, Shilong		2027	Multi-Label Contrastive Focal Loss for Pedestrian Attribute Recognition
DAY 4 – Jan 15, 2021						Zheng, Chong; Wei, Ping; Zheng, Nanning		2079	A Duplex Spatiotemporal Filtering Network for Video-based Person Re-identification
DAY 4 – Jan 15, 2021						Lee, Hakyoung; Low, Cheng Yaw; Teoh, Andrew		2080	SoftmaxOut Transformation-Permutation Network for Facial Template Protection
DAY 4 – Jan 15, 2021						Tang, Haowen; Wei, Ping; Li, Huan; Zheng, Nanning		2081	Inferring Tasks and Fluents in Videos by Learning Causal Relations
DAY 4 – Jan 15, 2021						Zhao, Chao; Zhang, Zhenyu; Yang, Jian; Yan, Yan		2097	Decoupled Self-Attention Module for Person Re-Identification
DAY 4 – Jan 15, 2021						Liu, Hong; Miao, Ziling; Yang, Bing; Ding, Runwei		2104	A Base-Derivative Framework for Cross-Modality RGB-Infrared Person Re-Identification
DAY 4 – Jan 15, 2021						Tomei, Matteo; Baraldi, Lorenzo; Calderara, Simone; Bronzin, Simone; Cucchiara, Rita		2123	RMS-Net: Regression and Masking for Soccer Event Spotting
DAY 4 – Jan 15, 2021						Fahn, Chin-Shyung; Wu, Meng-Luen; Tsau, Sheng-Kuei		2126	An Intelligent Photographing Guiding System Based on Compositional Deep Features and Interpretable Machine Learning Model
DAY 4 – Jan 15, 2021						Söllinger, Dominik; Debiassi, Luca; Uhl, Andreas		2139	Can You Really Trust the Sensor's PRNU? How Image Content Might Impact the Finger Vein Sensor Identification Performance
DAY 4 – Jan 15, 2021						Heidari, Negar; Iosifidis, Alexandros		2173	Temporal Attention-Augmented Graph Convolutional Network for Efficient Skeleton-Based Human Action Recognition
DAY 4 – Jan 15, 2021						Sharma, Pratikshya; Coleman, Sonya; Yogarajah, Pratheepan; Taggart, Laurence; Samarasinghe, Pradeepa		2181	Magnifying Spontaneous Facial Micro Expressions for Improved Recognition
DAY 4 – Jan 15, 2021						Fan, Liang; Sun, Xianfang; Rosin, Paul		2204	Siamese Graph Convolution Network for Face Sketch Recognition
DAY 4 – Jan 15, 2021						Wickrama Arachchilage, Samadhi Poornima Kumarasinghe; Izquierdo, Ebroul		2236	SSDL: Self-Supervised Domain Learning for Improved Face Recognition
DAY 4 – Jan 15, 2021						Wang, Gaoang; Chen, Lin; LIU, TIANQIANG; He, Mingwei; Luo, Jiebo		2249	DAIL: Dataset-Aware and Invariant Learning for Face Recognition

DAY 4 – Jan 15, 2021						Hsu, Gee-Sern; Tang, Chia-Hao; Yanushkevich, Svetlana; Gavrilo, Marina		2284		Contrastive Data Learning for Facial Pose and Illumination Normalization
DAY 4 – Jan 15, 2021						Hayashi, Yuta; Shehata, Allam; Makihara, Yasushi; Muramatsu, Daigo; Yagi, Yasushi		2322		Deep Gait Relative Attribute Using a Signed Quadratic Contrastive Loss
DAY 4 – Jan 15, 2021						Wu, Yi-Chieh; Liao, Wen-Hung		2326		Toward Text-independent Cross-lingual Speaker Recognition Using English-Mandarin-Taiwanese Dataset
DAY 4 – Jan 15, 2021						Ahmad, Niaz; Yoon, Jongwon		2353		StrongPose: Bottom-up and Strong Keypoint Heat Map Based Pose Estimation
DAY 4 – Jan 15, 2021						Wu, Fangyu; Smith, Jeremy Simon; Lu, Wenjin; Zhang, Bailing		2388		Pose-robust Face Recognition by Deep Meta Capsule network-based Equivariant Embedding
DAY 4 – Jan 15, 2021						Kim, Minsu; Hong, Joanna; Kim, Junho; Lee, Hong Joo; Ro, Yong Man		2471		Unsupervised Disentangling of Viewpoint and Residues Variations by Substituting Representations for Robust Face Recognition
DAY 4 – Jan 15, 2021						Hou, Luanxuan; Cao, Jie; Zhao, Yuan; Shen, Haifeng; Tang, Jian; He, Ran		2669		P2 Net: Augmented Parallel-Pyramid Net for Attention Guided Pose Estimation
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021						Li, Weijian; Liao, Haofu; Miao, Shun; Lu, Le; Luo, Jiebo		1144	OS T2.2	Unsupervised Learning of Landmarks Based on Inter-Intra Subject Consistencies
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021						Becerra-Riera, Fabiola; Morales-González, Annette; Mendez-Vazquez, Heydi; Dugelay, Jean-Luc		1604	OS T2.2	Attribute-Based Quality Assessment for Demographic Estimation in Face Videos
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021						Méndez-Llanes, Nelson; Castillo-Rosado, Katy; Mendez-Vazquez, Heydi; Tistarelli, Massimo		1773	OS T2.2	Quality-Based Representation for Unconstrained Face Recognition
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021						Yang, Zhengyuan; Li, Yuncheng; Yang, Linjie; Zhang, Ning; Luo, Jiebo		78	OS T2.3	Weakly Supervised Body Part Segmentation with Pose Based Part Priors
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021						Deb, Debayan; Aggarwal, Divyansh; Jain, Anil		2941	OS T2.3	Identifying Missing Children: Face Age-Progression via Deep Feature Aging
DAY 4 – Jan 15, 2021										
Track 3: CV Applications: Scenes, Vehicles, and Robotics	PS T3.10	Poster	Gather Town	3:00 PM	4:00 PM	Stuart James	stuart.james@iit.it			
DAY 4 – Jan 15, 2021						Pan, Yunyi; Gan, Yuan; Liu, Kun; Zhang, Yan		1124		Progressive Scene Segmentation Based on Self-Attention Mechanism
DAY 4 – Jan 15, 2021						Fang, Yang; Jo, Geun-Sik; Lee, Chang-Hee		1162		RSINet: Rotation-Scale Invariant Network for Online Visual Tracking
DAY 4 – Jan 15, 2021						Tatemichi, Hiroki; Kawanishi, Yasutomo; Deguchi, Daisuke; Ide, Ichiro; Murase, Hiroshi; Amma, Ayako		1245		Median-Shape Representation Learning for Category-Level Object Pose Estimation in Cluttered Environments
DAY 4 – Jan 15, 2021						Yoo, Jin Hyeok; Kum, Dongsuk; Choi, Jun Won		1250		ScarfNet: Multi-Scale Features with Deeply Fused and Redistributed Semantics for Enhanced Object Detection
DAY 4 – Jan 15, 2021						Lu, Chongkai; Li, Ruimin; Fu, Hong; Fu, Bin; Wang, Yihao; Lo, Wai Lun; Chi, Zheru		1307		Precise Temporal Action Localization with Quantified Temporal Structure of Actions
DAY 4 – Jan 15, 2021						Chappellet, Kevin; Caron, Guillaume; Kanehiro, Fumio; Sakurada, Ken; Kheddar, Abderrahmane		1334		Benchmarking Cameras for OpenVSLAM Indoors
DAY 4 – Jan 15, 2021						Theivendiram, Pranavan; Sim, Terence		1351		Learning with Delayed Feedback
DAY 4 – Jan 15, 2021						Guo, Xiang; Li, Bo; Dai, Yuchao; Zhang, Tongxin; Deng, Hui		1391		Novel View Synthesis from a 6-DoF Pose by Two-Stage Networks
DAY 4 – Jan 15, 2021						Li, Jiaqi; Zhao, Yanan; Gao, Li; Cui, Feng		1404		Compression of YOLOv3 Via Block-Wise and Channel-Wise Pruning for Real-Time and Complicated Autonomous Driving Environment Sensing Applications
DAY 4 – Jan 15, 2021						Liu, Jing; Zhang, Xiaona; Li, Zhaoxin; Mao, Tianlu		1409		Multi-Scale Residual Pyramid Attention Network for Monocular Depth Estimation
DAY 4 – Jan 15, 2021						Chen, Yanxian; Ma, Huimin; Li, Xi; Luo, Xiong		1413		S-VoteNet: Deep Hough Voting with Spherical Proposal for 3D Object Detection
DAY 4 – Jan 15, 2021						Zheng, Ruobing; Zhu, Zhou; Song, Bo; Changjiang, Ji		1445		A Neural Lip-Sync Framework for Synthesizing Photorealistic Virtual News Anchors
DAY 4 – Jan 15, 2021						Yaowei, Li; Luo, Ye; Lu, Jianwei		1457		Single Image Deblurring Using Bi-Attention Network

DAY 4 – Jan 15, 2021						Matveichev, Dmitri; Lin, Daw-Tung			1475	Mobile Augmented Reality: Fast, Precise, and Smooth Planar Object Tracking
DAY 4 – Jan 15, 2021						Xing, Xiaoxia; Cai, Yinghao; Wang, Yanqing; Lu, Tao; Yang, Yiping; Wen, Dayong			1486	Dynamic Guidance Network for Monocular Depth Estimation
DAY 4 – Jan 15, 2021						Ma, Yuntao; Lu, Tong; Wu, Yirui			1540	Multi-Scale Relational Reasoning with Regional Attention for Visual Question Answering
DAY 4 – Jan 15, 2021						Li, Minglong; shan, lianlei; Wang, Weiqiang			1558	Global-Local Attention Network for Semantic Segmentation in Aerial Images
DAY 4 – Jan 15, 2021						Liu, Hong; Sun, Yongheng; Li, Yidi; Yang, Bing			2023	3D Audio-Visual Speaker Tracking with a Novel Particle Filter
DAY 4 – Jan 15, 2021						Wang, Qingtao; Zhang, Ke; Huang, Shaoli; Zhang, Lianbo; Fan, Jin			2035	Multi-Order Feature Statistical Model for Fine-Grained Visual Categorization
DAY 4 – Jan 15, 2021						Su, Feng-Guang; Lin, Ci-Siang; Wang, Yu-Chiang Frank			2057	Learning Interpretable Representation for 3D Point Clouds
DAY 4 – Jan 15, 2021						Sun, Jiamei; Lapuschkin, Sebastian; Samek, Wojciech; Zhao, Yunqing; Cheung, Ngai-Man; Binder, Alexander			2095	Explanation-Guided Training for Cross-Domain Few-Shot Classification
DAY 4 – Jan 15, 2021						Liu, Hong; Guan, Lisi			2159	Efficient High-Resolution High-Level-Semantic Representation Learning for Human Pose Estimation
DAY 4 – Jan 15, 2021						Ai, Xindong; Yang, Zuli; Yang, Weida; Zhao, Yong; Yu, Zhengzhong; Li, Fuchi			2195	Suppressing Features That Contain Disparity Edge for Stereo Matching
DAY 4 – Jan 15, 2021						Xu, Wei; Gan, Yi; Su, Jianbo			2199	Bidirectional Matrix Feature Pyramid Network for Object Detection
DAY 4 – Jan 15, 2021						Tian, Kun; Zhou, Tong; Xiang, Shiming; PAN, Chunhong			2205	Foreground-Guided Vehicle Perception Framework
DAY 4 – Jan 15, 2021						Machida, Takashi; Nakanishi, Satoru			2314	Deep Photo Relighting by Integrating Both 2D and 3D Lighting Information
DAY 4 – Jan 15, 2021						Yan, Baoming; Zhou, Chen; Zhao, Bo; Guo, Kan; jiang, yang; Li, Xiaobo; ming, zhang; Wang, Yizhou			2318	Augmented Bi-Path Network for Few-Shot Learning
DAY 4 – Jan 15, 2021						Liu, Xiaolong; Hou, Yuqing; Yao, Anbang; Chen, Yurong; Li, Keqiang			2320	CASNet: Common Attribute Support Network for Image Instance and Panoptic Segmentation
DAY 4 – Jan 15, 2021						Prasad, Shitala; Lin, Dongyun; Li, Yiqun; Dong, Sheng; Oo, Zaw Min			2343	Rethinking of Deep Models Parameters with Respect to Data Distribution
DAY 4 – Jan 15, 2021						Ishikawa, Reina; Hachiuma, Ryo; Kurobe, Akiyoshi; Saito, Hideo			2597	Single-Modal Incremental Terrain Clustering from Self-Supervised Audio-Visual Feature Learning
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021						Memmesheimer, Raphael; Theisen, Nick; Paulus, Dietrich		OS T3.4	1264	SL-DML: Signal Level Deep Metric Learning for Multimodal One-Shot Action Recognition
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021						Zappardino, Fabio; Uricchio, Tiberio; Seidenari, Lorenzo; Del Bimbo, Alberto		OS T3.4	2894	Learning Group Activities from Skeletons without Individual Action Labels
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021						Patanè, Marco; Fusiello, Andrea		OS T3.5	1839	Vehicle Classification from Profile Measures
DAY 4 – Jan 15, 2021										
Track 5: Image Processing and Super-resolution	PS T5.7	Poster	Gather Town	3:00 PM	4:00 PM	Sinem Aslan	siinem@gmail.com			
DAY 4 – Jan 15, 2021						Li, Zhen; Shao, HanYang; Niu, Liang; Xue, Nian			5	Progressive Learning Algorithm for Efficient Person Re-Identification
DAY 4 – Jan 15, 2021						Hou, Zejiang; Kung, SY			735	Hierarchically Aggregated Residual Transformation for Single Image Super Resolution
DAY 4 – Jan 15, 2021						Xiang, Xiaoyu; Lin, Qian; Allebach, Jan			765	Boosting High-Level Vision with Joint Compression Artifacts Reduction and Super-Resolution
DAY 4 – Jan 15, 2021						Nguyen, Duong H.; Bui, Tien D.			911	An Adaptive Model for Face Distortion Correction
DAY 4 – Jan 15, 2021						Ikeda, Jun; Seshime, Hiroyuki; Wang, Xueting; Yamasaki, Toshihiko			918	Predicting Online Video Advertising Effects With Multimodal Deep Learning
DAY 4 – Jan 15, 2021						Dasgupta, Subhrajyoti; Das, Sudip; Bhattacharya, Ujjwal			965	CardioGAN: An Attention-Based Generative Adversarial Network for Generation of Electrocardiograms

DAY 4 – Jan 15, 2021					Seo, Chanjin; Sabanai, Masato; Goto, Yuta; Tagami, Koji; Ogata, Hiroyuki; Kanosue, Kazuyuki; Ohya, Jun	969		Extracting and Interpreting Unknown Factors with Classifier for Foot Strike Types in Running
DAY 4 – Jan 15, 2021					Park, Karam; Soh, Jae Woong; Cho, Nam Ik	972		Single Image Super-Resolution with Dynamic Residual Connection
DAY 4 – Jan 15, 2021					Bai, Jing; Chen, Ran	1001		Context-Aware Residual Module for Image Classification
DAY 4 – Jan 15, 2021					Lu, Yuxu; Yang, Meifang; Wen, Liu	1023		DSPNet: Deep Learning-Enabled Blind Reduction of Speckle Noise
DAY 4 – Jan 15, 2021					Ko, Shanlei; Dai, Bi-Ru	1027		Multi-Laplacian GAN with Edge Enhancement for Face Super Resolution
DAY 4 – Jan 15, 2021					Qiu, Shuhao; Guo, Yao; Zhu, Chuang; ZHOU, WENLI; Chen, Huang	1032		Attention Based Multi-Instance Thyroid Cytopathological Diagnosis with Multi-Scale Feature Fusion
DAY 4 – Jan 15, 2021					Das, Dipayan; Santosh, K.C.; Pal, Umapada	1048		Inception Based Deep Learning Architecture for Tuberculosis Screening of Chest X-Rays
DAY 4 – Jan 15, 2021					Tomosada, Hiroki; Kudo, Takahiro; Fujisawa, Takanori; Ikehara, Masaaki	1059		GAN-Based Image Deblurring Using DCT Discriminator
DAY 4 – Jan 15, 2021					Song, Tiecheng; Han, Yuanjing; Feng, Jie; Wang, Yuanlin; Gao, Chenqiang	1063		First and Second-Order Sorted Local Binary Pattern Features for Grayscale-Inversion and Rotation Invariant Texture Classification
DAY 4 – Jan 15, 2021					Wang, ShuWei; Wang, Qiuyun; Jiang, Zhengwei; Wang, Xuren; Jing, RongQi	1077		A Weak Coupling of Semi-Supervised Learning with Generative Adversarial Networks for Malware Classification
DAY 4 – Jan 15, 2021					Zhang, Yongfei; Peng, Cheng; Jingtao, Zhang; Liu, Xianglong; Pu, Shiliang; Chen, Changhuai	1089		Hierarchical Deep Hashing for Fast Large Scale Image Retrieval
DAY 4 – Jan 15, 2021					Sun, Zitang; Kamata, Sei-ichiro; Wang, Ruojing; Chen, Weili	1112		Semantic Segmentation Refinement Using Entropy and Boundary-guided Monte Carlo Sampling and Directed Regional Search
DAY 4 – Jan 15, 2021					Kawakami, Sota; Okada, Kei; Nitta, Naoko; Nakamura, Kazuaki; Babaguchi, Noboru	1191		Semi-Supervised Outdoor Image Generation Conditioned on Weather Signals
DAY 4 – Jan 15, 2021					Ahn, Joon Young; Cho, Nam Ik	1325		Neural Architecture Search for Image Super-Resolution Using Densely Connected Search Space: DeCoNAS
DAY 4 – Jan 15, 2021					Cho, Jaehyeong; Shimoda, Wataru; Yanai, Keiji	1417		Mask-Based Style-Controlled Image Synthesis Using a Mask Style Encoder
DAY 4 – Jan 15, 2021					Kuo, Po-Chen; Chuang, Li-Chung; Lin, Dong-Yi; LEE, MING-SUI	1511		VR Sickness Assessment with Perception Prior and Hybrid Temporal Features
DAY 4 – Jan 15, 2021					Avgoustinakis, Pavlos; Kordopatis-Zilos, Giorgos; Papadopoulos, Symeon; Symeonidis, Andreas L.; Kompatsiaris, Ioannis	1596		Audio-Based Near-Duplicate Video Retrieval with Audio Similarity Learning
DAY 4 – Jan 15, 2021					Battiato, Sebastiano; Giudice, Oliver; Guarnera, Francesco; Puglisi, Giovanni	1631		Computational Data Analysis for First Quantization Estimation on JPEG Double Compressed Images
DAY 4 – Jan 15, 2021					Ohishi, Yasunori; Tanaka, Yuki; Kashino, Kunio	2524		Unsupervised Co-Segmentation for Athlete Movements and Live Commentaries Using Crossmodal Temporal Proximity
DAY 4 – Jan 15, 2021					Wen, Xincheng; Liu, Kunhong; ZHANG, WEIMING; JIANG, KAI	2584		The Application of Capsule Neural Network Based CNN for Speech Emotion Recognition
DAY 4 – Jan 15, 2021					Zhang, Qianqian; Liu, Yazhou; Sun, Quansen	2624		Object Classification of Remote Sensing Images Based on Optimized Projection Supervised Discrete Hashing
DAY 4 – Jan 15, 2021					Weng, Nina; Wang, Jiahao; Li, Annan; Wang, Yunhong	2778		Two-Stream Temporal Convolutional Network for Dynamic Facial Attractiveness Prediction
DAY 4 – Jan 15, 2021					Tran, Van Luan; Lin, Huei-Yung; liu, rachel; Jang, Fang-Jie; Tseng, Chun-Han	2780		BiLuNet: A Multi-path Network for Semantic Segmentation on X-ray Images
DAY 4 – Jan 15, 2021					Fu, Yu; Wu, Xiaojun	3002		A Dual-Branch Network for Infrared and Visible Image Fusion
DAY 1 – Jan 12, 2021 - DAY 4 – Jan 15, 2021					Ma, Xin; Zhou, Xiaoqiang; Huang, Huaibo; Chai, Zhenhua; Wei, Xiaolin; He, Ran	2549	OS T5.1	Free-Form Image Inpainting Via Contrastive Attention Network
DAY 1 – Jan 12, 2021 - DAY 4 – Jan 15, 2021					Zhang, Lipei; Liu, Aozhi; Xiao, Jing; Taylor, Paul	2579	OS T5.2	Dual Encoder Fusion U-Net (DEFU-Net) for Cross-manufacturer Chest X-Ray Segmentation
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021					Cheuk, Kin Wai; Luo, Yin-Jyun; Benetos, Emmanouil; Dorian, Herremans	2514	OS T5.4	The Effect of Spectrogram Reconstruction on Automatic Music Transcription: An Alternative Approach to Improve Transcription Accuracy

DAY 4 – Jan 15, 2021										
Challenge 8: CORSMAL										
CH 8	Challenge	Live	3:00 PM	4:00 PM	Alessio Xompero	a.xompero@qmul.ac.uk				
DAY 4 – Jan 15, 2021		Live			Alessio Xompero, Queen Mary University of London (UK) et al.		CH8.1			Welcome and opening
DAY 4 – Jan 15, 2021		Live			Alessio Xompero, Queen Mary University of London (UK) et al.		CH8.2			Collaborative Object Recognition, Shared Manipulation and Learning presentation
DAY 4 – Jan 15, 2021		Live			Alessio Xompero et al.		CH8.3			Challenge presentation
DAY 4 – Jan 15, 2021		Live			Vladimir Iashin et al.		CH8.4			Top-1 CORSMAL Challenge 2020 submission: Filling mass estimation using multi-modal observations of human-robot handovers
DAY 4 – Jan 15, 2021		Live			Reina Ishikawa et al.		CH8.5			Audio-Visual Hybrid Approach for Filling Mass Estimation
DAY 4 – Jan 15, 2021		Live			Qi Liu et al.		CH8.6			VA2Mass: Towards the Fluid Filling Mass Estimation via Integration of Vision & Audio
DAY 4 – Jan 15, 2021		Live			Alessio Xompero et al.		CH8.7			Round table
DAY 4 – Jan 15, 2021		Live			Alessio Xompero et al.		CH8.8			Challenge leaderboard and next steps
DAY 4 – Jan 15, 2021										
Track 1: AI, Machine Learning, and Explanation										
PS T1.15	Poster	Gather Town	4:00 PM	5:00 PM	Antonio Cinà	antonioemanuele.cina@unive.it				
DAY 4 – Jan 15, 2021					Muszynski, Grzegorz; Mr, Prabhat; Balewski, Jan; Kashinath, Karthik; Wehner, Michael; Kurlin, Vitaliy		368			Atmospheric Blocking Pattern Recognition in Global Climate Model Simulation Data
DAY 4 – Jan 15, 2021					Heese, Raoul; Bortz, Michael		1005			Adaptive Sampling of Pareto Frontiers with Binary Constraints Using Regression and Classification
DAY 4 – Jan 15, 2021					Pernici, Federico; Bruni, Matteo; Baccchi, Claudio; Turchini, Francesco; Del Bimbo, Alberto		1704			Class-Incremental Learning with Pre-Allocated Fixed Classifiers
DAY 4 – Jan 15, 2021					□ireclj, Jaka; Skocaj, Danijel		1717			Accuracy-Perturbation Curves for Evaluation of Adversarial Attack and Defence Methods
DAY 4 – Jan 15, 2021					Ojeda Marin, Cesar Ali; Cvejovski, Kostadin; Georgiev, Bogdan; Sanchez, Ramses J.		1721			Switching Dynamical Systems with Deep NeuralNetworks
DAY 4 – Jan 15, 2021					Cadoni, Marinella Iole; Lagorio, Andrea; Grosso, Enrico; Tan, Jia Huei; Chan, Chee Seng		1723			From Early Biological Models to CNNs: Do They Look Where Humans Look?
DAY 4 – Jan 15, 2021					Mehta, Vineet; Dhall, Abhinav; Pal, Sujata; Khan, Shehroz		1725			Motion and Region aware Adversarial Learning for Fall Detection with Thermal Imaging
DAY 4 – Jan 15, 2021					P, Aditya Sreekar; Tiwari, Ujjwal; Nambodiri, Anoop		1747			Mutual Information Based Method for Unsupervised Disentanglement of Video Representation
DAY 4 – Jan 15, 2021					Becker, Martin; Lippel, Jens; Zielke, Thomas		1771			Dimensionality Reduction for Data Visualization and Linear Classification, and the Trade-off between Robustness and Classification Accuracy
DAY 4 – Jan 15, 2021					Ferrari, Claudio; Berretti, Stefano; Del Bimbo, Alberto		1787			Probability Guided Maxout
DAY 4 – Jan 15, 2021					Barlaud, Michel; Chambolle, Antonin; Caillaud, Jean Baptiste		1797			Classification and Feature Selection Using a Primal-Dual Method and Projections on Structured Constraints
DAY 4 – Jan 15, 2021					Brust, Clemens-Alexander; Barz, Björn; Denzler, Joachim		1903			Making Every Label Count: Handling Semantic Imprecision by Integrating Domain Knowledge
DAY 4 – Jan 15, 2021					Xiao, Liang; Xu, Jiaolong; Zhao, Dawei; Wang, Zhiyu; Wang, Li; Nie, Yiming; Dai, Bin		1904			Self-Supervised Domain Adaptation with Consistency Training
DAY 4 – Jan 15, 2021					Zhan, Fangneng; Zhang, Changgong		1907			Spatial-Aware GAN for Unsupervised Person Re-identification
DAY 4 – Jan 15, 2021					Dietlmeier, Julia; Antony, Joseph; McGuinness, Kevin; O'Connor, Noel E		1921			How Important Are Faces for Person Re-Identification?
DAY 4 – Jan 15, 2021					Fidalgo-Merino, Raul; Gabrielli, Lorenzo; Checchi, Enrico		1932			Leveraging Sequential Pattern Information for Active Learning from Sequential Data
DAY 4 – Jan 15, 2021					Li, Tao; Ma, Jinwen		1937			T-SVD Based Non-Convex Tensor Completion and Robust Principal Component Analysis
DAY 4 – Jan 15, 2021					Barati, Ramin; Safabakhsh, Reza; Rahmati, Mohammad		1951			Towards Explaining Adversarial Examples Phenomenon in Artificial Neural Networks
DAY 4 – Jan 15, 2021					Frecon, Jordan; Salzo, Saverio; Pontil, Massimiliano		1976			Unveiling Groups of Related Tasks in Multi-Task Learning
DAY 4 – Jan 15, 2021					Algan, Görkem; Ulusoy, Ilkay		1978			Meta Soft Label Generation for Noisy Labels
DAY 4 – Jan 15, 2021					Yan, Jia-Wei; Lin, Ci-Siang; Yang, Fu-En; Li, Yu-Jhe; Wang, Yu-Chiang Frank		1985			Semantics-Guided Representation Learning with Applications to Visual Synthesis

DAY 4 – Jan 15, 2021						Charachon, Martin; Hudelot, Celine; Courmède, Paul-Henry; Ruppli, Camille; Ardon, Roberto		1988		Combining Similarity and Adversarial Learning to Generate Visual Explanation: Application to Medical Image Classification
DAY 4 – Jan 15, 2021						Khan, Rayyan Ahmad; Anwaar, Muhammad Umer; Kleinstueber, Martin		1993		Epitomic Variational Graph Autoencoder
DAY 4 – Jan 15, 2021						Dornaika, Fadi; Baradaaji, Abdullah; El Traboulsi, Youssef		1999		Soft Label and Discriminant Embedding Estimation for Semi-Supervised Classification
DAY 4 – Jan 15, 2021						Khoder, Ahmad; Dornaika, Fadi		2000		Feature Extraction and Selection via Robust Discriminant Analysis and Class Sparsity
DAY 4 – Jan 15, 2021						Tran, Dat Thanh; Kannianen, Juho; Gabbouj, Moncef; Iosifidis, Alexandros		2011		Data Normalization for Bilinear Structures in High-Frequency Financial Time-Series
DAY 4 – Jan 15, 2021						Vandaele, Robin; Saey, Yvan; De Bie, Tijl		2021		Graph Approximations to Geodesics on Metric Graphs
DAY 4 – Jan 15, 2021						Chaudhuri, Ushasi; Chaudhuri, Syomantak; Chaudhuri, Subhasis		2022		GuCNet: A Guided Clustering-Based Network for Improved Classification
DAY 4 – Jan 15, 2021						Tan, Yizhou; Yang, Lan; Zhang, Honggang		2050		Sketch-SNet: Deeper Subdivision of Temporal Cues for Sketch Recognition
DAY 4 – Jan 15, 2021						Rocha, Bruno M; Pessoa, Diogo; Marques, Alda; Carvalho, Paulo; Paiva, Rui Pedro		2056		Influence of Event Duration on Automatic Wheeze Classification
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021						Kolarik, Martin; Burget, Radim; Travieso-Gonzalez, Carlos M.; Kocica, Jan		1653	OS T1.6	Planar 3D Transfer Learning for End to End Unimodal MRI Unbalanced Data Segmentation
DAY 4 – Jan 15, 2021-- DAY 4 – Jan 15, 2021						Sovrasov, Vladislav; Sidnev, Dmitry		360	OS T1.8	Building Computationally Efficient and Well-Generalizing Person Re-Identification Models with Metric Learning
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021						Yang, Yuchen; Ray, Nilanjan		1927	OS T1.8	Foreground-Focused Domain Adaption for Object Detection
DAY 4 – Jan 15, 2021										
Track 1: Machine Learning, Active and Reinforcement Learning	PS T1.16	Poster	Gather Town	4:00 PM	5:00 PM	Evgeny Krivosheev	evgeny.krivosheev@unitn.it			
DAY 4 – Jan 15, 2021						Hu, Qiyang; Wälchli, Adrian; Portenier, Tiziano; Zwicker, Matthias; Favaro, Paolo		385		Learning to Take Directions One Step at a Time
DAY 4 – Jan 15, 2021						Tzelepi, Maria; Passalis, Nikolaos; Tefas, Anastasios		448		Efficient Online Subclass Knowledge Distillation for Image Classification
DAY 4 – Jan 15, 2021						Gharaee, Zahra; Holmquist, Karl; He, Linbo; Felsberg, Michael		1116		A Bayesian Approach to Reinforcement Learning of Vision-Based Vehicular Control
DAY 4 – Jan 15, 2021						Benhamou, Eric; Saitiel, David Saitiel; Ohana, Jean-Jacques Ohana; Atif, Jamal Atif		2782		Detecting and adapting to crisis pattern with context based Deep Reinforcement Learning
DAY 4 – Jan 15, 2021						Mironov, Maksim; Avrachenkov, Konstantin		2783		Cluster-Size Constrained Network Partitioning
DAY 4 – Jan 15, 2021						Moya Rueda, Fernando; Fink, Gernot		2787		From Human Pose to On-Body Devices for Human-Activity Recognition
DAY 4 – Jan 15, 2021						Fan, Yifei; Dahiya, Navdeep; Bignardi, Samuel; Sandhu, Romeil; Yezzi, Anthony		2835		Directionally Paired Principal Component Analysis for Bivariate Estimation Problems
DAY 4 – Jan 15, 2021						Koishybay, Kenessary; Mukushev, Medet; Sandygulova, Anara		2841		Continuous Sign Language Recognition with Iterative Spatiotemporal Fine-Tuning
DAY 4 – Jan 15, 2021						Au-Yeung, Lee; Xie, Xianghua; Scale, Timothy Marcus; Chess, James Anthony		2842		Using Machine Learning to Refer Patients with Chronic Kidney Disease to Secondary Care
DAY 4 – Jan 15, 2021						Herde, Marek; Kottke, Daniel; Huseljic, Denis; Sick, Bernhard		2856		Multi-annotator Probabilistic Active Learning
DAY 4 – Jan 15, 2021						Shi, Xiangwei; Khademi, Seyran; Li, Yunqiang; Van Gemert, Jan		2857		Zoom-CAM: Generating Fine-Grained Pixel Annotations from Image Labels
DAY 4 – Jan 15, 2021						Roth, Wolfgang; Schindler, Günther; Fröning, Holger; Pernkopf, Franz		2862		On Resource-efficient Bayesian Network Classifiers and Deep Neural Networks
DAY 4 – Jan 15, 2021						Tayanov, Vitaliy; Krzyzak, Adam; Suen, Ching Y		2879		Comparison of Stacking-based Classifier Ensembles using Euclidean and Riemannian Geometries
DAY 4 – Jan 15, 2021						Mallick, Tanwi; Balaprakash, Prasanna; Rask, Eric; Macfarlane, Jane		2881		Transfer Learning with Graph Neural Networks for Short-Term Highway Traffic Forecasting

DAY 4 – Jan 15, 2021						Lechat, Alexis; Herbin, Stéphane; Jurie, Frederic		2885		Semi-Supervised Class Incremental Learning
DAY 4 – Jan 15, 2021						Chamseddine, Mahdi; Rambach, Jason; Wasenmüller, Oliver; Stricker, Didier		2890		Ghost Target Detection in 3D Radar Data Using Point Cloud Based Deep Neural Network
DAY 4 – Jan 15, 2021						Kocaman, Veysel; Shir, Ofer M.; Baeck, Thomas		2891		Improving Model Accuracy for Imbalanced Image Classification Tasks by Adding a Final Batch Normalization Layer: An Empirical Study
DAY 4 – Jan 15, 2021						Stefanov, Kalin; Adiban, Mohammad; Salvi, Giampiero		2900		Spatial Bias in Vision-Based Voice Activity Detection
DAY 4 – Jan 15, 2021						Frikha, Ahmed; Krompass, Denis; Tresp, Volker		2903		ARCADE: A Rapid Continual Anomaly Detector
DAY 4 – Jan 15, 2021						Lifchitz, Yann; Avrithis, Yannis; Picard, Sylvaine		2907		Local Propagation for Few-Shot Learning
DAY 4 – Jan 15, 2021						Tsamis, Georgios; Kostavelis, Ioannis; Giakoumis, Dimitrios; Tzovaras, Dimitrios		2927		Towards life-long mapping of dynamic environments using temporal persistence modeling
DAY 4 – Jan 15, 2021						Marson, Luca; Li, Vladimir; Maki, Atsuto		2929		Boundary Optimised Samples Training for Detecting Out-of-Distribution Images
DAY 4 – Jan 15, 2021						Gravina, Michela; Gragnaniello, Diego; POGGI, GIOVANNI; Verdoliva, Luisa; Sansone, Carlo; Corsini, Iuri; Dani, Carlo; Meneghin, Fabio; Lista, Gianluca; Aversa, Salvatore; Migliaro, Migliaro; Francesco, Raimondi		2930		Deep learning in the ultrasound evaluation of neonatal respiratory status
DAY 4 – Jan 15, 2021						Arnavaz, Kasra; Feragen, Aasa; Krause, Oswin; Loog, Marco		2937		Bayesian Active Learning for Maximal Information Gain on Model Parameters
DAY 4 – Jan 15, 2021						Yue, Yun; Li, Ming; Saligrama, Venkatesh; Zhang, Ziming		2939		RNN Training along Locally Optimal Trajectories via Frank-Wolfe Algorithm
DAY 4 – Jan 15, 2021						Dahiya, Navdeep; Fan, Yifei; Bignardi, Samuel; Sandhu, Romeil; Yezzi, Anthony		2968		Dependently Coupled Principal Component Analysis for Bivariate Inversion Problems
DAY 4 – Jan 15, 2021						Guo, Ruohao		2973		Learning Stable Deep Predictive Coding Networks with Weight Norm Supervision
DAY 4 – Jan 15, 2021						Shah, Muhammad Ahmed; Olivier, Raphael; Raj, Bhiksha		2977		Optimal Strategies For Comparing Covariates To Solve Matching Problems
DAY 4 – Jan 15, 2021						Tripathi, Ayush; Chakraborty, Rupayan; Koppurapu, Sunil Kumar Sidnev, Alexey; Krasikova, Ekaterina; Kazakov, Maxim		2995		A Novel Adaptive Minority Oversampling Technique for Improved Classification in Data Imbalanced Scenarios
DAY 4 – Jan 15, 2021						Ghamsarian, Negin; Taschwer, Mario; Putzgruber, Doris; sarny, stephanie.; Schoeffmann, Klaus		3014		Efficient grouping for keypoint detection
DAY 3 – Jan 14, 2021 - DAY 4 – Jan 15, 2021								3015	OS T1.6	Relevance Detection in Cataract Surgery Videos by Spatio-Temporal Action Localization
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021						Azimi, Seyed Majid; Bahmanyar, Reza; Henry, Corentin; Franz, Kurz		1923	OS T1.8	EAGLE: Large-Scale Vehicle Detection Dataset in Real-World Scenarios Using Aerial Imagery
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021						Cai, Xumin; Aydin, Berkay; Ji, Anli; Angryk, Rafal		1553	OS T1.8	A Framework for Local Outlier Detection from Spatio-Temporal Trajectory Datasets
DAY 4 – Jan 15, 2021										
Track 3: Computer Vision and Applications										
	PS T3.11	Poster	Gather Town	4:00 PM	5:00 PM	Leulseged Tesfaye			leule.24@gmail.com	
DAY 4 – Jan 15, 2021						Simoni, Alessandro; Bergamini, Luca; Palazzi, Andrea; Calderara, Simone; Cucchiara, Rita		1256		Future Urban Scenes Generation through Vehicles Synthesis
DAY 4 – Jan 15, 2021						Ferranti, Luca; Li, Xiaotian; Boutellier, Jani; Kannala, Juho		1384		Can You Trust Your Pose? Confidence Estimation in Visual Localization
DAY 4 – Jan 15, 2021						Barile, Berardino; Marzullo, Aldo; Stamile, Claudio; Durand-Dubief, Françoise; Sappey-Marinier, Dominique		1394		Tensor Factorization of Brain Structural Graph for Unsupervised Classification in Multiple Sclerosis
DAY 4 – Jan 15, 2021						Ouaknine, Arthur; Newson, Alasdair; Rebut, Julien; Tupin, Florence; Pérez, Patrick		1398		CARRADA Dataset: Camera and Automotive Radar with Range-Angle-Doppler Annotations
DAY 4 – Jan 15, 2021						Harsch, Lukas; Burgbacher, Johannes; Riedelbauch, Stefan		1402		Transferable Model for Shape Optimization subject to Physical Constraints

DAY 4 – Jan 15, 2021					Wilhelm, Thorsten; Wöhler, Christian		1424		Uncertainty Guided Recognition of Tiny Craters on the Moon
DAY 4 – Jan 15, 2021					Caracotte, Jordan; Morbidi, Fabio; Mouaddib, El Mustapha		1438		Photometric Stereo with Twin-Fisheye Cameras
DAY 4 – Jan 15, 2021					Kechaou, Amine; Martinez, Manuel; Haurilet, Monica; Stiefelwagen, Rainer		1458		Detective: An Attentive Recurrent Model for Sparse Object Detection
DAY 4 – Jan 15, 2021					Azimi, Fatemeh; Bischke, Benjamin; Palacio, Sebastian; Raue, Federico; Hees, Jörn; Dengel, Andreas		1471		Revisiting Sequence-To-Sequence Video Object Segmentation with Multi-Task Loss and Skip-Memory
DAY 4 – Jan 15, 2021					Rimle, Philipp; Dogan, Pelin; Gross, Markus		1489		Enriching Video Captions with Contextual Text
DAY 4 – Jan 15, 2021					Hu, Feiyan; Gurram Munirathnam, Venkatesh; O'Connor, Noel E; Smeaton, Alan; Little, Suzanne		1507		Utilising Visual Attention Cues for Vehicle Detection and Tracking
DAY 4 – Jan 15, 2021					Rosano, Marco; Furnari, Antonino; Gulino, Luigi; Farinella, Giovanni Maria		2688		On Embodied Visual Navigation in Real Environments through Habitat
DAY 4 – Jan 15, 2021					Bojko, Adrian; Romain, Dupont; Tamaazousti, Mohamed; Le borgne, Hervé		2709		Learning to Segment Dynamic Objects using SLAM Outliers
DAY 4 – Jan 15, 2021					Moran, Sean; McDonagh, Steven; Slabaugh, Greg		2713		CURL: Neural Curve Layers for Global Image Enhancement
DAY 4 – Jan 15, 2021					Prew, William; Breckon, Toby; Bordewich, Magnus; Beierholm, Ulrik		2725		Improving Robotic Grasping on Monocular Images Via Multi-Task Learning and Positional Loss
DAY 4 – Jan 15, 2021					Isaac-Medina, Brian Kostadinov Shalon; Willecocks, Chris G.; Breckon, Toby		2736		Multi-View Object Detection Using Epipolar Constraints within Cluttered X-Ray Security Imagery
DAY 4 – Jan 15, 2021					Bouafif, Oussema; Khomutenko, Bogdan; Daoudi, Mohammed		2776		Hybrid Approach for 3D Head Reconstruction: Using Neural Networks and Visual Geometry
DAY 4 – Jan 15, 2021					Tripathi, Anurag; Srivastava, Siddharth; Lall, Brejesh; Chaudhury, Santanu		2794		Using Scene Graphs for Detecting Visual Relationships
DAY 4 – Jan 15, 2021					Gözen, Derya; Ozer, Sedat		2795		Visual Object Tracking in Drone Images with Deep Reinforcement Learning
DAY 4 – Jan 15, 2021					Vijay, Malaika; Netrakanti Vinayak, Nandagopal; Nunna, Maanvi; Natarajan, Subramanyam		2807		Real-Time Driver Drowsiness Detection Using Facial Action Units
DAY 4 – Jan 15, 2021					Pedone, Matteo; Mostafa, Abdelrahman; Heikkilä, Janne		2810		Learning Non-Rigid Surface Reconstruction from Spatio-Temporal Image Patches
DAY 4 – Jan 15, 2021					von Rueden, Laura; Wirtz, Tim; Hueger, Fabian; Schneider, Jan David; Piatkowski, Nico; Bauckhage, Christian		2840		Street Map Based Validation of Semantic Segmentation in Autonomous Driving
DAY 4 – Jan 15, 2021					Albaba, Berat Mert; Ozer, Sedat		2844		SyNet: An Ensemble Network for Object Detection in UAV Images
DAY 4 – Jan 15, 2021					Müller, Nikolas; Stenzel, Jonas; Chen, Jian-Jia		2849		Self-supervised Detection and Pose Estimation of Logistical Objects in 3D Sensor Data
DAY 4 – Jan 15, 2021					Ghorbel, Emna; Ghorbel, Faouzi; Sakly, Ines; Mhiri, Slim		2851		Fast Blending of Planar Shapes Based on Invariantinvertible and Stable Descriptors
DAY 4 – Jan 15, 2021					Zhang, Zhenfei		2864		Attention-based Selection Strategy for Weakly Supervised Object Localization
DAY 4 – Jan 15, 2021					Li, Jiatong; Han, Fangda; Guerrero, Ricardo; Pavlovic, Vladimir		2874		Picture-To-Amount (PITA): Predicting Relative Ingredient Amounts from Food Images
DAY 4 – Jan 15, 2021					Cartas, Alejandro; Radeva, Petia; Dimiccoli, Mariella		2875		Modeling Long-Term Interactions to Enhance Action Recognition
DAY 4 – Jan 15, 2021					Pytel, Rafal; Kayhan, Osman Semih; van Gemert, Jan		2964		Tilting at Windmills: Data Augmentation for Deep Pose Estimation Does Not Help with Occlusions
DAY 4 – Jan 15, 2021					Li, Pu; Liu, Xiaobai		2967		Learning Knowledge-Rich Sequential Model for Planar Homography Estimation in Aerial Video
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021					Pasqualino, Giovanni; Furnari, Antonino; Farinella, Giovanni Maria		444	OS T3.5	Unsupervised Domain Adaptation for Object Detection in Cultural Sites
DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021					Bhayani, Snehal; Kukulova, Zuzana; Heikkilä, Janne		1668	OS T3.6	Computing Stable Resultant-Based Minimal Solvers by Hiding a Variable

DAY 4 – Jan 15, 2021 - DAY 4 – Jan 15, 2021						Ferianc, Martin; Fan, Hongxiang; Rodrigues, Miguel		2003	OS T3.6	VINNAS: Variational Inference-based Neural Network Architecture Search
DAY 4 – Jan 15, 2021										
Track 5: Image, Signal, and Audio Processing	PS T5.8	Poster	Gather Town	4:00 PM	5:00 PM	Cristiano Saltori	cristiano.saltori@unitn.it			
DAY 4 – Jan 15, 2021						Partel, Gabriele; Wahlby, Carolina Makki, Karim; Bohi, Amine; Ogier, Augustin C.; Bellemare, Marc-Emmanuel		1078		Graph-Based Image Decoding for Multiplexed in Situ RNA Detection
DAY 4 – Jan 15, 2021						Sarkar, Rituparna; Mukherjee, Suvadip; Labruyere, Elisabeth; Olivo-Marin, Jean-Christophe		1087		A New Geodesic-Based Feature for Characterization of 3D Shapes: Application to Soft Tissue Organ Temporal Deformations
DAY 4 – Jan 15, 2021						Singla, Aayush; Lippmann, Bernhard; Graeb, Helmut		1092		Recovery of 2D and 3D Layout Information through an Advanced Image Stitching Algorithm Using Scanning Electron Microscope Images
DAY 4 – Jan 15, 2021						Ahmad Alyosef, Afra'a; Elias, Christian; Nürnberger, Andreas		1101		Localization and Transformation Reconstruction of Image Regions: An Extended Congruent Triangles Approach
DAY 4 – Jan 15, 2021						Mircoli, Alex; Diamantini, Claudia; Potena, Domenico; Storti, Emanuele		1544		Automatic Annotation of Corpora For Emotion Recognition Through Facial Expressions Analysis
DAY 4 – Jan 15, 2021						De Mello, Jean Pablo; Paixão, Thiago; Berriel, Rodrigo; Reyes, Mauricio; De Souza, Alberto F.; Badue, Claudine; Oliveira-Santos, Thiago		1552		Deep Learning-Based Type Identification of Volumetric MRI Sequences
DAY 4 – Jan 15, 2021						Himeur, Yassine; Alsalemi, Abdullah; Bensaali, Faycal; Amira, Abbes		1568		Appliance identification using a histogram post-processing of 2D local binary patterns for smart grid applications
DAY 4 – Jan 15, 2021						Jain, Dhruval; Prabhu, Arun; Ramena, Gopi; Goyal, Manoj; Mohanty, Debi; Purre, Naresh; Moharana, Sukumar		1575		On-Device Text Image Super Resolution
DAY 4 – Jan 15, 2021						Tuna, Caglayan; Giros, Alain; Merciol, François; Lefèvre, Sébastien		1700		On Morphological Hierarchies for Image Sequences
DAY 4 – Jan 15, 2021						Ozen, Yigit; Aksoy, Selim; Kosemehmetoglu, Kemal; Onder, Sevgen; Uner, Aysegul		1727		Self-Supervised Learning with Graph Neural Networks for Region of Interest Retrieval in Histopathology
DAY 4 – Jan 15, 2021						Pyrovolakis, Konstantinos; Tzouveli, Paraskevi; Stamou, Giorgos		2586		Mood detection analyzing lyrics and audio signal based on deep learning architectures
DAY 4 – Jan 15, 2021						Stephan, Michael; Stadelmayer, Thomas; Santra, Avik; Fischer, Georg; Weigel, Robert; Lurz, Fabian		2629		Radar Image Reconstruction from Raw ADC Data Using Parametric Variational Autoencoder with Domain Adaptation
DAY 4 – Jan 15, 2021						Ni, Xingyang; Fang, Liang; Huttunen, Heikki Juhani		2647		Adaptive L2 Regularization in Person Re-Identification
DAY 4 – Jan 15, 2021						Chakraborty, Jaybrata; Chakraborty, Bappaditya; Bhattacharya, Ujjwal		2673		DenseRecognition of Spoken Languages
DAY 4 – Jan 15, 2021						Gil San Antonio, Eva; Piretti, Mattia; Dimopoulou, Melpomeni; Antonini, Marc		2728		Robust image coding on synthetic DNA: Reducing sequencing noise with inpainting
DAY 4 – Jan 15, 2021						Rodrigues, Tiago; Plácido da Silva, Hugo; Fred, Ana Luisa Nobre; Samoutphonh, Sirisack		2758		A Low-Complexity R-peak Detection Algorithm with Adaptive Thresholding for Wearable Devices
DAY 4 – Jan 15, 2021						Palazzo, Simone; Bellitto, Giovanni; Prezzavento, Luca; Rundo, Francesco; bagci, ulas; Giordano, Daniela; Leonardi, Rosalia; Spampinato, Concetto		2763		Deep Multi-stage Model for Automated Landmarking of Craniomaxillofacial CT Scans
DAY 4 – Jan 15, 2021						Yamin, Muhammad abubakar; Paola, Valsasina; Dayan, Michael; Vascon, Sebastiano; Jacopo, Tessorori; Massimo, Filippi; Murino, Vittorio; Maria, A Rocca; Sona, Diego		2806		Encoding Brain Networks Through Geodesic Clustering of Functional Connectivity for Multiple Sclerosis Classification

