4th Workshop on Computer Vision for Analysis of Underwater Imagery
10 January 2021. Milan, Italy

CALL FOR PAPERS

Workshop on Computer Vision for Analysis of Underwater Imagery (CVAUI)
http://cvaui2020.oceannetworks.ca

In conjunction with the 25th International Conference on Pattern Recognition (ICPR)
https://www.micc.unifi.it/icpr2020/

Milan, Italy, 10 January 2021

The analysis of underwater imagery imposes a series of unique challenges, which need to be tackled by the computer vision community in collaboration with biologists and ocean scientists. We invite submissions from all areas of computer vision and image analysis relevant for, or applied to, underwater image analysis. Topics of interest include, but are not limited to:

- underwater image enhancement
- physical models of reflectance and light transport
- underwater scene understanding
- classification, detection, segmentation
- autonomous underwater navigation
- detection and monitoring of marine life
- automated analysis for fisheries research
- object tracking
- automatic video annotation and summarization
- context-aware machine learning and image understanding

CVAUI 2020 will be the first flagship event of the IAPR TC 5 Technical Committee, *Computer Vision for Underwater Environmental Monitoring*. The three previous, successful and well-attended CVAUI workshops were held as satellite workshops of ICPR. The proceedings of the previous workshops are available via IEEE Xplore for 2014 and 2016, and Springer for 2018. Proceedings of CVAUI 2020 will be published by Springer.

Workshop submissions are open! Visit the website: http://cvaui2020.oceannetworks.ca

Important dates:	Workshop Organizers:
- Submission deadline: 10 October 2020 - Author notification: 10 November 2020 - Camera ready submission: 15 November 2020 - Program finalized: 1 December 2020 - Workshop day: 10 January 2021	Maia Hoeberechts, Ocean Networks Canada, Victoria, BC, Canada, maiah@uvic.ca Alexandra Branzan Albu, University of Victoria, BC, Canada, aalbu@uvic.ca