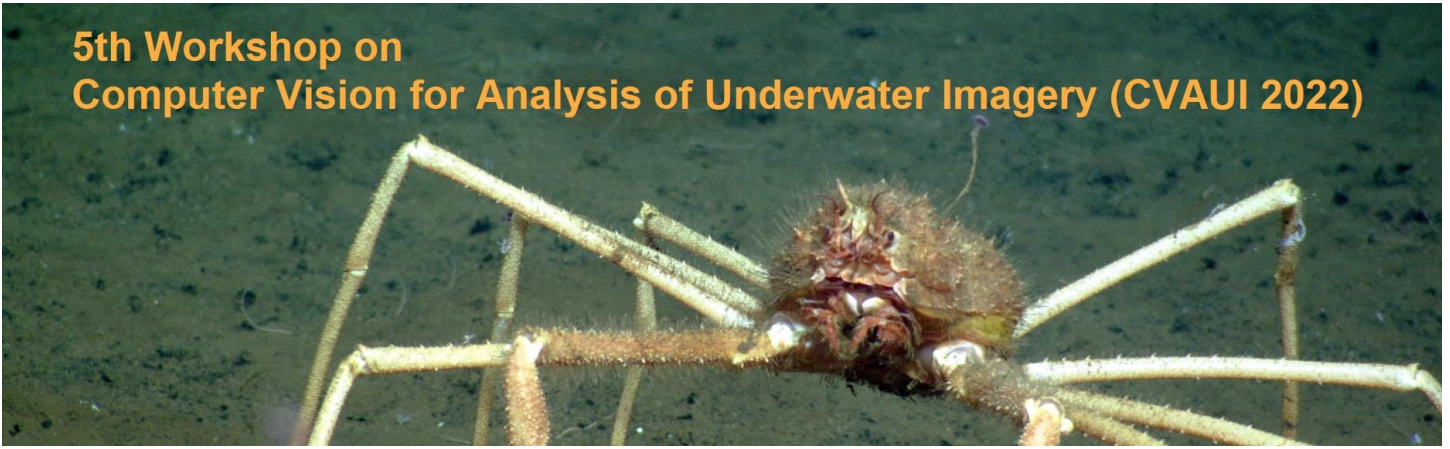## 5th Workshop on Computer Vision for Analysis of Underwater Imagery (CVAUI 2022)

CALL FOR PAPERS

Workshop on Computer Vision for Analysis of Underwater Imagery (CVAUI)
https://cvaui2022.oceannetworks.ca/

In conjunction with the 26th International Conference on Pattern Recognition (ICPR)
https://www.icpr2022.com

Montreal, Canada, 21 August 2022

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 is a flagship event of IAPR TC5 *Computer Vision for Underwater Environmental Monitoring*. CVAUI 2022 will be the fifth edition, and, like the four previous, successful and well-attended workshops, will also be held as satellite workshops of ICPR. Proceedings of previous workshops are available via IEEE Xplore for 2014 and 2016, and Springer for 2018 and 2020. Proceedings of CVAUI 2022 will be published as part of the ICPR 2022 Proceedings.

Workshop submissions are open! Visit the website: https://cvaui2022.oceannetworks.ca/

Important dates:	Workshop Organizers:
- Submission deadline: 6 June 2022 - Author notification: 15 July 2022 - Camera ready submission: 1 August 2022 - Workshop date: 21 August 2022	Maia Hoeberechts, Ocean Networks Canada, Victoria, BC, Canada, maiah@uvic.ca Alexandra Branzan Albu, University of Victoria, BC, Canada, aalbu@uvic.ca