



## International Conference on Image Processing Theory, Tools & Applications



<http://www.ipta-conference.com/ipta20/>  
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### Special Session Chairs:

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### CALL FOR PAPERS: Special Session

## Underwater Image/Video Processing and analysis

Over the last few years the research community has seen an increase in studies performed on underwater image and video processing. This interest is mainly focused on processing images and videos recorded underwater keeping in mind different applications such as mining, biological and geological issues, classification and tracking different objects and sea creatures, path planning, navigation control, and object classification. While initially, conventional approaches were used in this line of study, with the advances in technology specific methods and techniques for under water imaging was used. Keeping in mind different issues affecting the quality of images such as the absorptive and scattering properties of water such as shift seems an inevitable direction to take. This special session aims to provide an overview on this active field of research by covering a wide range of applications. Recent advances in light of the promising deep learning based approaches will be also considered.

Topics of interest include but are not limited to:

- Quality assessment and enhancement of underwater images and videos
- Underwater imaging for fish farming purposes
- Tracking underwater objects and sea life
- Autonomous underwater vehicles
- Underwater navigation
- Underwater imaging techniques
- Benchmark Datasets



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