

WORKSHOP
Advances in Underwater Surveillance: Technologies, Challenges, and Future Directions
(AUSTech 2025)
Venue (Mansar Building)
(Room: 12LH3010)
(17/07/2025)

Day	Time	Paper Id	Name
17th July, 2025	2:00 pm to 2:45 pm	<i>Plenary talk by Prof. Santanu Chaudhury</i>	
	2:45 pm to 3:00 pm	131	Deep Learning Approach based Object Detection in Underwater SONAR Images
	3:00 pm to 3:15 pm	179	A Human Vision Neuroscience-Driven Deep Neural Framework for Change Detection in Underwater Scenes
	3:15 pm to 3:30 pm	221	A Quality-Guided Framework for Low-Light Underwater Image Enhancement Using Degradation Classification and Benchmark Evaluation
	3:30 pm to 3:45 pm	237	Vision-Based Underwater Docking Station Detection for Autonomous Underwater Vehicles
	3:45 pm to 4:00 pm	253	AUSREGSE: Advanced Underwater Segmentation with ResNet50 with enhancement-guided Squeeze and Excitation Blocks