The Second International Conference on Technologies for Marine and Coastal Ecosystems
COCE 2025
October 26 - 30, 2025 - Barcelona, Spain

http://www.iaria.org/conferences2025/COCE25.html

www.iaria.org

Important deadlines:

Submission (full paper)	July 8, 2025
Notification	August 24, 2025
Registration	September 7, 2025
Camera ready	September 21, 2025

Tracks:

Smart Ocean Monitoring and Data Analytics
- Advanced Sensor Technologies
- Data Fusion and Integration
- Real-time Monitoring and Decision Support Systems
- Ocean Data Visualization and Communication
- Big Data Oceanography

Machine Learning for Oceanographic Research
- Machine Learning for Ocean Data Analysis
- Predictive Modeling of Oceanic Phenomena
- Anomaly Detection and Event Prediction
- Species Distribution Modeling
- Automated Image Analysis for Underwater Imagery
- Oceanographic Data Assimilation
- Optimization of Autonomous Ocean Vehicles

Smart Ocean Engineering and Infrastructure
- Autonomous Underwater Vehicle (AUV) Technology
- Data-driven Maintenance and Monitoring of Ocean Infrastructure
- Smart Ports and Maritime Logistics

Smart Coastal Monitoring and Prediction Systems
- Remote Sensing Techniques for Coastal Monitoring
- Real-time Decision Support Systems for Coastal Management
- Smart Infrastructure for Coastal Monitoring
- Intelligent Coastal Protection and Adaptation

AI and Machine Learning Applications for Coastal Conservation and Restoration
- Environmental Impact Assessment and Mitigation Strategies
- Smart Offshore Renewable Energy Systems
- Species Distribution Modeling and Habitat Suitability Assessment
- Automated Monitoring of Ecological Indicators
- Prediction and Mitigation of Climate Change Impacts related to Coastal Areas

Technologies for Underwater Ecosystems
- Underwater Robotics and Automation (AUVs, ROVs, Mini-explorers, Subsea Docking Stations)
- Underwater Advanced Sensing and Imaging Technologies
- Bioacoustic and Biofluorescence Monitoring
- Underwater Communication Systems
- Marine Biotechnology Monitoring for Restoration and Pollution
- Underwater Use of Sonar, Remote Sensing, and Satellite Technologies
- Energy Harvesting Technologies for Powering Underwater Equipment
- Underwater Advanced Sensors for Pollution Detection and Mitigation
- Virtual Reality and Augmented Reality for Underwater Monitoring and Research