



# CALL FOR PAPERS

**ICMRS 2022**  
**Sep 06-07, 2022**  
**Prague, Czechia**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICMRS 2022 : International Conference on Marine Robotics and Systems is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Marine Robotics and Systems. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

- Marine robotics
- Marine robotic vehicles
- Autonomous long-term navigation, localization and SLAM
- Dynamic replanning, planning under uncertainty
- Semantic-based world modeling, probabilistic approaches in ontologies
- Smart control strategies
- Architectures for long-term autonomy
- Robust learning techniques
- Probabilistic graphical models
- Bio-inspired and bio-mimetic approaches
- Marine cyber-physical systems
- Ship automation
- Surface and underwater vehicles
- Communication in the marine domain
- Systems for integrated operation
- Internet of things in the maritime domain
- Subsea construction and operation
- Propulsion and energy savings
- Decision support and safe operation
- Control applications in off-shore wind and wave marine renewables
- Maritime robotics
- Biomimetics in marine robotics
- Marine cyber-physical systems for aquaculture
- Applications of maritime robotics
- Hybrid power generations for marine systems
- Navigation, guidance and control of marine vehicles