



# CALL FOR PAPERS

**ICMMRMPD 2020**  
**Mar 26-27, 2020**  
**Sydney, Australia**

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.

ICMMRMPD 2020 : International Conference on Mobile Micro-Robotics, Microscale Physics and Dynamics is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Mobile Micro-Robotics, Microscale Physics and Dynamics. 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:

Mobile micro-robotics  
Micro-scale mobile robotics  
Microscale physics and dynamics  
Energy requirements  
Microrobot fabrication  
Actuation methods  
Microrobot locomotion methods  
Buoyancy  
Microrobot localization  
Multi-robot control  
Potential applications  
Microobject manipulation  
Reconfigurable microrobotics

Advances in mobile robotics  
Challenges in robotics  
Autonomous robots  
Benchmarking and standardization  
Biologically-inspired systems and solutions  
Biomedical robotic assistance  
Climbing, guidance and navigation  
Flexible mechanisms for mobile machines  
Flexible manoeuvring systems  
Human-machine interface, tele-presence and virtual reality  
Innovative design  
Locomotion, manipulation and gripping  
Modeling and simulation