



CALL FOR PAPERS

ICMRCDP 2020
Feb 20-21, 2020
Paris, France

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.

ICMRCDP 2020 : International Conference on Multi-Robot Cooperation and Distributed Perception is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Multi-Robot Cooperation and Distributed Perception. 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:

- Multi-robot cooperation
- Plan merging paradigm
- Multi-robot architecture and paradigms
- Distributed perception and estimation in multi-robot systems
- Planning and decision making for multi-robot systems
- Modeling and control of multi-robot systems
- Robot control system
- Optimal control and optimization methods for multi-robot systems
- Decentralized motion planning for multiple mobile robots
- Multi-robot cooperative tracking
- Heterogeneous multi-robot cooperation

- Multi-robot cooperation for human-robot communication
- Mission planning and supervision
- Task allocation among the robots
- Task achievement in a multi-robot context
- System performance
- Coordination to avoid conflicts
- Plan-merging for cooperative task achievement
- Tools and software environment
- Implementation and test
- Future developments and prospective