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ICWMRDMC 2022
Jul 22-23, 2022
Rome, Italy

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.

ICWMRDMC 2022 : International Conference on Wheeled Mobile Robots, Dynamic Modeling and Control is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Wheeled Mobile Robots, Dynamic Modeling and Control. 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:

Wheeled mobile robots
Kinematic modeling of wheeled mobile robots (WMR)
Modeling and control of wheeled mobile robots
Dynamic modeling of wheeled mobile robots
Motion control of wheeled mobile robots
WMR special characteristics
Kinematic modeling coordinate systems
Forward and inverse kinematic solutions
Manipulator dynamic modeling methodologies

Dynamic modeling framework
Companion kinematic transformations
Forward and inverse dynamic solutions
Model-based WMR servo-controller design
Computer simulation for servo-controller evaluation
Modeling parameter values
Servo-controller designs
Simulation experiments