



CALL FOR PAPERS

ICHSRGA 2019
May 21-22, 2019
Berlin, Germany

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.

ICHSRGA 2019 : International Conference on Household Service Robotics and Grasping Algorithms is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Household Service Robotics and Grasping Algorithms. 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:

Household service robotics
Service robotic system design
Stationary service robotic systems
Attached mobile service robotic systems
Mobile household service robotic systems
Design and implementation of a service robot for elders
Human-robot interaction
Household service robots with a cellphone interface
System architecture
Grasping algorithm

Mapping and navigation
Map building and localization
Navigation, path planning and obstacle avoidance
Planning and obstacle avoidance in mobile robotics
Human-centered robot navigation
Object recognition
Robust recognition of planar mirrored walls
Object perception methods for a mobile robot
Target detection
Planning and control