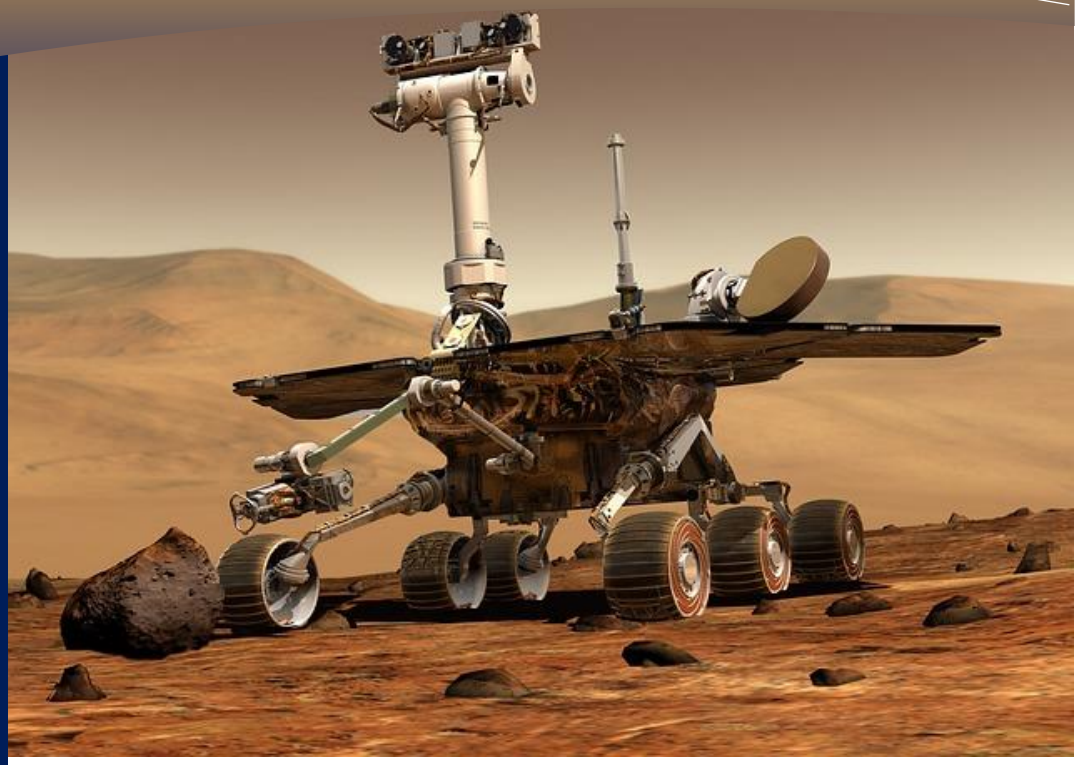
1st International Workshop on Robot Learning and Planning

University of Michigan, Ann Arbor

June 18, 2016

ROBOTICS:
SCIENCE AND SYSTEMS



Organizers

- Reza Iraji
  Colorado State University
- Hamidreza Chitsaz
  Colorado State University

Invited Speaker

- John Laird
  University of Michigan

Program Committee

- Ali Agha
  Qualcomm Research
- Chuck Anderson
  Colorado State University
- Kostas Bekris
  Rutgers University
- Maren Bennewitz
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- Gianni Di Caro
  Istituto Dalle Molle di Studi sull'Intelligenza Artificiale
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  INRIA
- Roland Geraerts
  University of Utrecht
- Kamal Gupta
  Simon Fraser University
- Adele Howe
  Colorado State University
- Seth Hutchinson
  University of Illinois at Urbana-Champaign
- *Miles J. Johnson*
  Toyota Technical Center
- Marcelo Kallmann
  University of California, Merced
- Lydia Kavraki
  Rice University
- Sven Koenig
  University of Southern California
- Jyh-Ming Lien
  George Mason University
- Dinesh Manocha
  University of North Carolina at Chapel Hill
- Rafael Murrieta-Cid
  Center for Mathematical Research
- Giuseppe Oriolo
  Sapienza University of Rome
- Wheeler Ruml
  University of New Hampshire
- Surya P. N. Singh
  University of Queensland
- Frank van der Stappen
  Utrecht University
- Chee Yap
  New York University

Topics:

Integration or application of machine learning and planning in:

- Adaptive and Reconfigurable Robotic Systems
- Aerial Robotics
- Assembly Automation and Self-Assembly Systems
- Biomedical Robotics
- Bionics (biomimetic robotics, neurobotics, synthetic biological systems, and etc.)
- Complex and High Dimensional Environments
- Distributed Robotic Systems
- Field Robotics (underwater robotics, agricultural robotics, mining robotics, and etc.)
- Geometry-based Algorithms
- Human-Robot Interaction
- Kinematics, Dynamics, and Control
- Manipulation
- Mechanisms (humanoids, hands, legged systems, and etc.)
- Mobile Systems and Mobility (localization, mapping, and navigation)
- Search Algorithms
- Scheduling
- Simultaneous Learning and Planning
- Task and Policy Learning and Planning

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