



*Robotics & Automation Society*

# Robotics and Automation Society Rep Report

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Systems Council AdCom Meeting - Monday, September 24, 2012

# IEEE Robotics and Automation Society (IEEE RAS)

- Robotics focuses on SYSTEMS incorporating sensors and actuators that operate autonomously or semi-autonomously in cooperation with humans.
- Automation research emphasizes efficiency, productivity, quality, and reliability, focusing on SYSTEMS that operate autonomously, often in structured environments over extended periods, and on the explicit structuring of such environments.

# RAS Technical Committees (I)

Aerial Robotics and Unmanned Aerial Vehicles

Agricultural Robotics

Algorithms for Planning and Control of Robot Motion

Automation in Logistics

Autonomous Ground Vehicles and Intelligent Transportation Systems

Bio Robotics

Computer & Robot Vision

Energy, Environment, and Safety Issues in Robotics and Automation

Haptics

Human-Robot Interaction & Coordination

Humanoid Robotics

Marine Robotics

Micro/Nano Robotics and Automation

Mobile Manipulation

# RAS Technical Committees (II)

Networked Robots

Performance Evaluation and Benchmarking of Robotic and Automation Systems

Rehabilitation & Assistive Robotics

Roboethics

Robot Learning

Safety Security and Rescue Robotics

Semiconductor Manufacturing Automation

Service Robotics

Smart Buildings

Software Engineering for Robotics and Automation

Space Robotics

Surgical Robotics

Sustainable Production Automation

Telerobotics

# IEEE Systems Journal

- Goal: Publicizing the journal on RAS
- Proposal of a special issue related to RAS
- Topic: “Systems-related topics in Robotics & Automation” (or a more specific topic)
- Tentative schedule: June 1, 2013 (paper submission deadline)