

IEEE Transactions on Robotics (T-RO)
Editorial Board Listing

Status by February 1, 2006

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Primary Areas: Robot Control, Manipulators, Dynamics, Kinematics, Force/Impedance/Compliance, Underactuated Mechanisms, Nonholonomic Systems

Secondary Areas: Human-Robot Cooperation, Humanoids, Walking Robots, Telerobotics, Industrial Robots

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Secondary Areas: Medical Robotics and Personal Robots

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Primary Areas: Learning, Force/Impedance/Impact Control, Flexible Manipulators, Nonholonomic Robots, Nonlinear Control, Redundant Manipulators, Underactuated Mechanisms

Secondary Areas: Kinematics, Dynamics, Mobile Robots, Motion/Path Planning, Obstacle Avoidance, Space Robots

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Primary Areas: Computer Aided Production Management, Computer Integrated Manufacturing, Scheduling

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Primary Areas: Robotic Manipulation, Motion Planning, Nonholonomic and Underactuated Systems, Parts Feeding and Assembly, Dynamics and Control

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Primary Areas: Kinematics, Dynamics, Control, Design of Robotic Mechanisms, Movement Generation and Optimization, Vision-based Human Recognition and Tracking, Robotic Applications of Nonlinear Systems Theory and Differential Geometry

Secondary Areas: Industrial Robotics and Manufacturing Automation, Robot Calibration and Identification, Robot Programming and Simulation, Medical Imaging and Image-guided Surgery, Bioinformatics, Hybrid Systems

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Primary Areas: Multi-Robot Cooperation, Mobile Robots, Behavior-based Systems, Artificial Intelligence, Autonomy, Sensor Networks

Secondary Areas: Learning, Human-Robot Interaction, Navigation, Path Planning, Obstacle Avoidance, Localization, Map Building, Exploration, Field Robotics, Reconfigurable Robotics

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Primary Areas: Grasping, Parallel/Distributed Robot Computing Systems, Programming, Graphics, Simulation, Space Robots, Telerobotics

Secondary Areas: Motion/Path Planning, Vision

Guest Editors

None at the moment

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Primary Areas: Underwater Robots, Multirobot Systems, Industrial Robot Control

Secondary Areas: Mobile Robots, Path Planning, Redundant Manipulators, Robot Identification, Fault Tolerance, Fuzzy/Neural Methods in Robotics

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Primary Areas: Parallel Robots, Mechanism Design, Kinematics, Singularities, System Solving Methods in Robotics

Secondary Areas: Industrial Robots, Applications, Redundant Manipulators, Reconfigurable Manipulators, Cable Robots

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Primary areas: Mobile Robot Navigation, Collision Avoidance, Localization, Mapping, SLAM, Exploration, Multi-robot Coordination, Networked Robots, Teleoperation, Probabilistic Robotics, Artificial Intelligence

Secondary Areas: Applications, Learning, Vision-based Navigation, Radio Frequency Identification

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Primary Areas: Medical Robotics, Haptics, Teleoperation, Virtual Environments, Human-Machine Interfaces

Secondary Areas: Bio-System Modeling, Simulation, Control, Mechatronic Design, Hybrid Systems

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Primary areas: Field Robotics, Robot Mechanisms, Sensors and Actuators, Multifingered Robot Hands, Artificial Muscles

Secondary areas: Haptics, Legged Locomotion, Service Robots, Ad-hoc Networks, Intelligent Environments

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Primary Areas: Robust Motion Control, Redundant Manipulators, Mobile Robots, Underwater Vehicles, Robot Control

Secondary Areas: Robot Hands, Haptic Device, Medical Robots, Parallel Mechanisms

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Primary areas: Mobile Robots, Artificial Intelligence in Robotics, Probabilistic Methods for State Estimation and Sensor Interpretation (Localization, SLAM), Exploration, Multi-Robot Systems

Secondary areas: Machine Learning, Obstacle Avoidance, Path Planning, Fielded Systems, Sensor Networks

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Secondary areas: Mobile Robots, Human-Robot Cooperation, Sensor-based Control

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Primary areas: Design, Mechanism, Snake-like Robots, Biologically-inspired Robots, Redundant (and Hyper-redundant) Manipulators, Walking Robots, Biorobotics, Mechatronics, Haptic Devices

Secondary areas: Kinematics and Dynamics, Force/Impedance Control, Applications, Telerobotics, Motion Planning of Manipulators, Space Robots, Sensors and Actuators, Field Robotics, Reconfigurable Robotics, Cooperative Robot Systems

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Primary Areas: Microrobotics, MEMS, Biorobotics, Visual Servoing, Microassembly

Secondary Areas: Force Control, Medical Robotics, Sensors and Actuators, Nanorobotics

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Primary areas: Robot Dynamics and Control, Space Robotics, Mobile and Legged Robots, Haptics, Nonholonomic and Underactuated Systems, Underwater Robots, Microrobotics

Secondary areas: Mechanisms, Simulators, Robot Identification, Nonlinear Control, Design and Mechatronics

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Primary Areas: Multifingered Hand Grasping, Haptic Interaction, Visual Servoing, Computer Vision

Secondary Areas: Virtual Reality, Mobile Robotics, Multi-robot Cooperation, Medical Applications

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Primary Areas: Mobile Robot Navigation, SLAM, Visual Servoing, Sensing and Scene Modeling,
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Secondary Areas: Intelligent Autonomous Vehicles, Computer Vision, Underwater and Aerial Robotics

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Primary Areas: Redundant Manipulators, Fault Tolerance, Compliance/Stiffness, Kinematics

Secondary Areas: Parallel Robots, Underactuated Mechanisms, Design of Robots, Grasping

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Primary areas: Motion Control, Mechatronics, Force/Impedance Control, Actuators, Flexible Manipulators, Industrial Robotics, Simulation

Secondary areas: Visual Servoing, Telerobotics, Dynamics, Space Robots, Modeling, Control Architectures

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Primary areas: Computer Vision, Active Perception, Vision-based Control and Navigation

Secondary areas: Humanoids, Biologically-inspired Navigation, Learning

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Primary areas: Distributed and Multiple Mobile Robotics, Localization, Mapping and SLAM, Aerial Robots, Robotic Sensor Networks

Secondary areas: Legged Robots, Haptics

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Primary areas: Robot Control, Coordination and Manipulation, Manipulation Systems, Mobile Robots, Space Robots and UAV, Vision-based Navigation and Tracking, Multi-robot Assembly

Secondary areas: Robot Grasping, Robot Vision, Sensors and Actuators, Kinematics, Dynamics

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Primary areas: Mobile Robots, SLAM, Localization, 3D Environment Modeling, Sensor Fusion

Secondary Areas: Navigation, Obstacle Avoidance, Vision

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Primary areas: Computational Kinematics, Computational Geometry, Motion/Path Planning, Obstacle Avoidance, Computer Graphics, Robot Programming and Simulation

Secondary areas: Computer Vision, Sensor Integration, Man-machine Interfaces, Redundant Manipulators, Parallel Manipulators

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Primary areas: Medical Robotics, Image-guided Medical Robotics, Man/Robot Cooperation, Medical Imaging, Clinical Applications and Systems

Secondary areas: Safety Issues of Robotics

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Primary areas: Motion and Force Control, Nonholonomic Systems, Multiple Cooperative Robots, Learning Control

Secondary areas: Networked Robots, Sensor Networks, Parallel Robots

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Primary Areas: Control Systems (model-based and adaptive control, observers, nonlinear systems analysis), Underwater Vehicles (dynamics, control, instrumentation, navigation), Medical Robotics (dynamics, control, instrumentation, mechanical design)

Secondary Areas: Design (mechanical, electrical, systems) for Robot Operations in Extreme Environments

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Primary areas: Robot Kinematics and Dynamics, Parallel Mechanisms, Humanoids, Medical Robotics, Biologically-inspired Robots

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Secondary Areas: Image Processing, Networked Robot Control, Internet-based Instrumentation and Control, Software Engineering in Robotic Applications, Visual Servoing, Vision-based Navigation, Dynamic Programming, Optimal Control, Optimization, Robot Kinematics and Dynamics

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