



**CALL FOR NOMINATIONS
IEEE & Robotics and Automation Society Awards**



Nominations for the following **IEEE Robotics and Automation Society Awards** are due **March 1, 2011**.

- RAS Chapter of the Year Award
- RAS Most Active Technical Committee Award
- RAS Most Active Distinguished Lecturer Award
- RAS Pioneer Award
- RAS Early Career Award
- IEEE-RAS Distinguished Service Award
- IEEE Inaba Technical Award for Innovation Leading to Production
- IEEE RAS George Saridis Leadership Award in Robotics and Automation

A description and list of previous recipients of each award is available on the RAS awards webpage at <http://www.ieee-ras.org/member/awardsRAS.php>. Nominators should use the appropriate Nomination Forms which are available on the awards page.

Please send the completed nominations form to the RAS Administrator at administrator@ieee-ras.org.

- **IEEE/IFR Invention and Entrepreneurship Award:** See the separate announcement in this issue for requirements for this joint award sponsored by the IEEE Robotics and Automation Society and the International Federation of Robotics. Nominations are due February 18.
- **IEEE Technical Field Award:** Nominations for the IEEE Robotics Technical Field Award must be submitted to the IEEE by **January 31**. Please see <http://www.ieee.org/portal/pages/about/awards/sums/robotaut.html> for details and instructions for nominators.
- **IEEE Fellow:** Nominations for IEEE Fellow must be submitted to the IEEE by **March 1**. Please see http://www.ieee.org/web/membership/fellows/fellow_apps.html for applications and instructions.

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Call for Papers :
Formal Methods for Robotics and Automation
A special issue of the IEEE Robotics and Automation Magazine



Introduction

Guaranteeing safety, predictability and reliability of robots and their high-level behaviors is crucial for the assimilation of such systems into society, be it at home or in the workplace. Every robotics researcher working with physical robots is aware of safety issues; however, only recently people have begun to look at ways to either formally prove or guarantee by design different behavioral properties such as safety and correctness.

While formal methods have been successfully applied to areas such as hardware design, the unique nature of robotics requires new theory and algorithms for verification and synthesis of correct systems. Researchers are invited to contribute papers that explore the state of the art in formal methods for robotics and automation.

Scope, description and more information

- Topics of interest include, but are not limited to:
- Verification of robotic and automation systems
- Use of model checking and deductive verification techniques in robotics
- Correct by design planner/controller synthesis
- Lessons that can be learned from hardware/software verification and synthesis
- Applications of formal methods to robotic systems

Important dates

Call for papers	23 July 2010
Deadline for paper submission	01 January 2011
First review	01 April 2011
Final review	01 May 2011
Publication	September 2011

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