



Call for Papers



The RoboCup 2002 International Symposium

June 24-25, 2002

Fukuoka, Japan

<http://www.robocup2002.org/>

Purpose and Scope

The 6th RoboCup International Symposium will be held in conjunction and immediately after the RoboCup 2002 Competitions and Demonstrations as the core meeting for the presentation of scientific contributions in areas of relevance to RoboCup. Its scope is mainly within the fields of Artificial Intelligence, Robotics, and Education. The symposium will include invited talks by John Blitch, Mitsuo Kawato, Yasuo Kuniyoshi, Lynne Parker, and technical paper presentations in a broad range of areas of interest, including:

- Multi-Agent Systems
- Multi-Robot Systems
- Sensor-Motor Control
- Vision and Image-Processing
- Self-localization and Navigation
- Planning, Reasoning, and Modeling
- Learning and Adaptive Systems
- Cooperation and Collaboration
- Simulation and Visualization
- Realtime and Concurrent Programming
- Embedded and Mobile Hardware
- Non-conventional actuation systems, especially artificial muscles
- Next generation sensors for robotics
- Mobile Robots and Humanoids
- Search and rescue robots
- Robotics and Science Education
- Adjustable Autonomy
- Adversarial Planning
- Disaster rescue information systems
- System integration and Software-Engineering
- Computer and Robotic Entertainment
- Speech Synthesis and Natural Language Generation
- Distributed Sensor Fusion
- Omnidirectional Vision
- Dynamic Resource Allocation/Heterogeneous Agents
- Smart Materials
- Fuel Cell Batteries
- New Devices and Materials for Robots

Submission

We invite submissions of papers reporting on high quality, original work to the RoboCup Symposium. Due to its interdisciplinary nature, the RoboCup International Symposium provides an excellent opportunity to introduce and spread novel ideas and approaches into various scientific disciplines. We invite people who do not actively participate in RoboCup to submit their work on the topics above or related ones. The experimental character of the RoboCup games gives in addition the possibility to get novel ideas and approaches adopted and field-tested by a constantly growing community. Papers describing real-world research as well as papers dealing with strong theoretical results are both welcome. We also encourage the submission of high-quality overview articles for any field related to the scope of RoboCup, especially the ones listed above.

The proceedings of RoboCup are published within the **Springer LNAI-series**. All submissions to the International Symposium enter the selection process for the RoboCup "**Scientific Challenge Award**", which recognizes outstanding research within a field related to the scope of RoboCup.



Submission format and instructions

Submitted papers should follow the Springer LNAI format, and are limited to 16 pages. For formatting instructions, take a look at: <http://www.springer.de/comp/lncs/authors.html>. We strongly encourage electronic submissions per the instructions at <http://spiderfish.coral.cs.cmu.edu/robocup2002/>. The electronic submission process requires a postscript or pdf file of the full paper, and the separate submission of an abstract. Authors who cannot submit their papers electronically should contact the program chairs for instructions on submitting hard copies. All submission materials are due Feb 1, 2002.

Important dates

Feb 1, 2002	Submission deadline
March 15	Notification of acceptance
April 15	Camera-ready copies due
June 19-23	RoboCup International Competitions and Demonstrations
June 24-25	RoboCup International Symposium

Conference Chairs

Gal A. Kaminka, Carnegie Mellon University, USA (galk+rc02@cs.cmu.edu)

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International Program Committee

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