2016 IEEE-RAS
International Conference
on Humanoid Robots.
Nov 15-17,
The Westin Resort & Spa
Cancun, Mexico

◆IEEE   IEEE Robotics & Automation Society

The 11th Workshop on Humanoid Soccer Robots

Call for Papers and Abstracts

Humanoid soccer has seen impressive progress in recent years. Bipedal standard or open platforms (Nao, Robotis-OP2, NimbRo-OP, and Thormang) make soccer robots accessible to many research groups, advanced 3D simulation games make the investigation of team play with complex heterogeneous humanoid robots possible, and soccer games for larger robots are a step towards playing with humans. The ultimate goal of this initiative is to develop a team of humanoid soccer players – i.e. robots with human-like awareness of the game situation, efficient and safe dynamic motion skills, and cooperation abilities. This poses a unique set of challenges to robotics, AI, and other fields.

The workshop aims at bringing together researchers from the RoboCup and FIRA communities, as well as other researchers interested in the subject. The full-day program will consist of invited talks, contributed presentations, and a panel discussion.

All contributed presentations are subject to a peer review process.

- **Full papers**: We solicit submissions of original, previously unpublished research papers. Papers should be up to 6 pages in length, formatted according to IEEE conference layout (two-column).
- **Abstracts**: Authors mainly interested to give a presentation may submit a one-page abstract.

Accepted papers and abstracts will be available online.

Topics of Interest include, but are not limited to:

- Behavior control architectures
- Bipedal locomotion
- Design of humanoid robots
- Dynamic motions
- Heterogeneous humanoid robots
- Humanoid 3D printing
- Humanoid-human interaction

- Motion and action planning
- Perception of the game situation
- Safe and compliant humanoid robots
- Skill and strategy learning
- Team coordination
- Humanoid mechanism design
- 3D simulation of humanoid robots

Important Dates:
- Paper submission: September 27th, 2016
- Acceptance notification: Oct. 18th, 2016
- Final paper: October 31st, 2016
- Workshop day: November 15th, 2016

Workshop Organizers:
- Daniel M. Lofaro, George Mason University, USA
- BaekKyu Cho, Kookmin University, South Korea
- Sven Behnke, University of Bonn, Germany
- Daniel D. Lee, University of Pennsylvania, USA
- Nuno Lau, University of Aveiro, Portugal

More Info and Paper Submission: http://lofarolabs.com/events/robocup/ws16/