



Important Dates

June 1, 2009

Workshop and tutorial submission

June 24, 2009

Full-length paper submission

September 1, 2009

Notification of acceptance

October 1, 2009

Camera-ready paper submission

December 7, 2009

Workshop and tutorials —

École de Médecine or UPMC

December 8-9, 2009

Conference — École de Médecine

December 10, 2009

Keynote lectures — Collège de France

General Conference Chair

Jean-Paul Laumond
LAAS-CNRS, Toulouse, France

Keynote Lecture Chair

Alain Berthoz
Collège de France, Paris, France

Program Chair

Kazuhiro Yokoi
AIST, Tsukuba, Japan

Program co-Chairs

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Workshop and Tutorial Chairs

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Webmaster and Publication Chair

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LAAS-CNRS, Toulouse, France

Conference Secretary

Eiichi Yoshida
AIST, Tsukuba, Japan

Program Committee

To be Announced

PRELIMINARY CALL FOR PAPERS

The 9th IEEE-RAS International Conference on Humanoid Robots (Humanoids09) will take place on December 7-10, 2009 in the historical and living "Quartier Latin" of Paris.

Scope

Humanoid Robotics is an increasing research topic stimulated both by the perspective of highly challenging applications in servicing robotics and by renewing fundamental research topics in Robotics at large such as Mechatronics, Control, Decision Making and Human-Robot Interaction. More than that Humanoid Robotics opens synergetic researches towards Life and Human Science. Such openness will constitute the special theme of Humanoids09.

Contributed papers

The contributed papers, workshop and tutorial will cover the following, not exhaustive list of topics:

- Design and control of humanoid robots
- Humanoid robot platforms for applications
- Software and hardware architecture, system integration
- Whole-body motion planning and control
- Stability and dynamics for humanoid robots
- Perception, action and cognition for humanoid robots
- Learning strategies for humanoid robots
- Humanoid grasping and manipulation
- Human motion imitation by humanoids
- Human-humanoid interaction
- Planning, localization and navigation
- Human body and behavior modeling
- Neuro-robotics and humanoids

Contributed papers will be presented either at the single track oral session or during poster sessions. All the contributed papers will appear without distinction in the proceedings of the conference.

Special day

A special day will be organized in the prestigious historical Collège de France. It will be dedicated to a set of invited keynote lectures focusing on the openness of Humanoid Robotics research towards Life and Human Sciences. Lecturers will cover the following topics:

- Biomechanics and humanoid robot design
- Sensori-motor motion control
- Emotion modeling
- Mathematics and neuro-robotics