

Eurobot Conference 2010

International Conference on Research and Education in Robotics

May 27-30, 2010, Rapperswil-Jona, Switzerland

<http://www.eurobot.org/conference>

CALL FOR PAPERS

IMPORTANT DATES:

- Paper submission: January 31, 2010
- Author notification: February 20, 2010
- Camera-ready paper submission: February 27, 2010
- Conference early registration: April 28, 2010
- Conference: May 27-30, 2010
- Eurobot contest Finals: May 27-30, 2010

Eurobot Conference 2010 will be held in conjunction with Eurobot Autonomous Robot Contest International Finale in Rapperswil-Jona, Switzerland. Conference participants will be able to freely visit the contest as spectators.

In the past years, with the advances in microelectronics and digital technology, robots became a platform for innovation. This gave thrust to the development of new and fast robot systems. To further encourage the research and cooperation in this area, this conference aims to gather researchers and developers from academic fields and industries worldwide to explore the state-of-the-art and at the same time to meet with young robot builders who compete in the Eurobot Autonomous Robot Contest.

AREAS OF INTERESTS:

• Research

- Robot control and behaviour: navigation, planning, simulation, visualization, virtual reality modelling, evolutionary and cognitive robotics.
- Applications of autonomous intelligent robots: exploration robots, service robots, robots for hazardous environments.
- Perception, processing and action: sensors, vision, motion systems, specialized peripherals.

• Education

- Robotics at School and at University: curricula, methodology, competences, outcomes.
- Practical educational robotics activities: robot contests, workshops, summer camps, robotic kits for education and research.
- Good practices in educational robot design: project management, team development, funding, reusing parts and components.
- Future pedagogical activities: acceptability of innovative practices (humanoid teachers, etc.).

• Special Eurobot session

- Presentation of robots designed for Eurobot contest including previous editions: robot design, planning, team building and management.

SUBMISSIONS:

Authors should submit papers in English reporting original works that are currently not under review or published elsewhere. The paper should be submitted in PDF format, with the length of six to fifteen (6-15) pages, following Springer LNCS manuscript submission guidelines, available at <http://www.springer.de/comp/lncs/authors.html>. All papers should be submitted using the EasyChair system at <http://www.easychair.org/conferences/?conf=eurobot2010>.

For more details on the submitted paper format and the submission process, please visit the Conference web pages at <http://www.eurobot.org/conference>.

ORGANIZERS:

- **Main organizer**

Eurobot Association
(<http://www.eurobot.org>)

- **Co-organizers**

HSR University of Applied Sciences Rapperswil, Switzerland
(<http://www.hsr.ch>)

Charles University in Prague, Faculty of Mathematics and Physics, Czech Republic
(<http://www.mff.cuni.cz>)

- **Conference Chair**

- Achim Gottscheber, SRH University of Applied Sciences Heidelberg, Heidelberg, Germany

- **Local Organisation Chair**

- Heinz Domeisen, Hochschule für Technik Rapperswil, HSR/IMA, Rapperswil, Switzerland

- **Program Chair**

- David Obrzalek, Charles University in Prague, Czech Republic

- **Program Committee**

- Jacques Bally, Y-Parc, Parc Scientifique et Technologique, Yverdon-les-Bains, Switzerland
- Branislav Borovac, University of Novi Sad, Serbia
- Jean-Daniel Dessimoz, Western Switzerland University of Applied Sciences, HESSO.HEIG-VD, Yverdon-les-Bains, Switzerland
- Heinz Domeisen, Hochschule für Technik Rapperswil, HSR/IMA, Rapperswil, Switzerland
- Boualem Kazed, University of Blida, Algeria
- Julio Pastor Mendoza, Universidad de Alcalá, Madrid, Spain
- Giovanni Muscato, University of Catania, Catania, Italy
- Fernando Ribeiro, Universidade do Minho, Guimarães, Portugal

