

2nd International Conference on
Pervasive Technologies Related to Assistive environments (PETRA 2009)
9-12 June 2009, Corfu Island, Greece

CALL FOR PAPERS
**1st Workshop on Robotics and Automation in Assistive Living
Systems (ROALS 2009)**
13 June 2009, Corfu Island, Greece



Workshop Chairs

Alan Bowling, *The University of Texas at Arlington*

Panayiotis Shiakolas, *The University of Texas at Arlington*

Manfred Huber, *The University of Texas at Arlington*

Workshop Programme Committee

Monica Aderson, *The University of Alabama, USA*

Brian Huff, *The University of Texas at Arlington, USA*

Steve LaValle, *The University of Illinois at Urbana-Champaign, USA*

Constantinos Mavroidis, *Northeastern University, USA*

Ning Xi, *Michigan State University, USA*

Important Dates:

Paper Submission Deadline: March 9, 2009

Paper Acceptance Notification: April 6, 2009

Camera Ready Papers: April 20, 2009



You are cordially invited to submit your contribution in the 1st Workshop on “Robotics and Automation in Assistive Living Systems” organized within the “Second International Conference on Pervasive Technologies Related to Assistive environments (PETRA 2009)”. We are interested in short or long original papers describing advances in all areas involving the application of robotics and automation in assistive environments, including but not limited to:

Topics of Interest

- Wearable robots
- Portable and light weight robots
- Human-robot interaction
- Telepresence
- Service robots
- Robots as sensors
- Way-finding robots
- Mobile robotic guides and RFID
- Robot assistant for the visually impaired
- Agile pet robots
- Robot-assisted emergency response
- Home automation
- Helper robots
- Robot companions
- Socially assistive robots
- Socially intelligent robots
- Physically and psychologically supportive robots
- Expressive robots
- Mobile manipulation
- Robot-assisted surveillance
- Robot feeding aids
- User-centered robot design
- Robot-assisted nurse training
- Human-aware robots
- Climbing and walking robots in assistive environments
- Robot team interaction related to assistive environments

Submission and Proceedings Information

Interested authors should submit their contribution at the conference site (please go to www.petrae.org then choose workshops and select ROBOTICS. At the end of the page you may submit your article). Accepted papers will be presented at the workshop and published in the Proceedings of the Conference. ACM will be the publisher of the proceedings of the PETRA Conference and the Conference Proceedings will be a volume in the ACM International Conference Proceedings Series in the ACM Digital Library. Authors should use the ACM Word or LaTeX style templates to prepare their articles. See: <http://www.acm.org/sigs/pubs/proceed/template.html>. Authors should apply ACM Computing Classification categories and terms. The Classification Scheme can be found at: <http://www.acm.org/class/1998/> Submitted papers should be up to 6 pages. Papers may be accepted either as full papers (6 pages) or short papers (4 pages). At least one author, of each accepted paper, is required to register and present the paper.

Based on the appropriateness of submissions, extended versions of selected papers from the Workshop will be invited to be considered for publication in a special journal issue.