Advances in Robotics (AIR 2017)

3rd International Conference of Robotics Society of India

June 28-July 2, 2017

Indian Institute of Technology Delhi, New Delhi, India

DOCTORAL SYMPOSIUM

Advances in Robotics (AIR) is a series of biennial conference organized by the Robotics Society of India. The conference aims to create a forum to present and exchange new ideas by researchers and developers from India and abroad working in the fields of robotics and its applications. The conference would have plenary talks, oral and poster presentations, and special industry oriented sessions.

AIR 2017, will be held at IIT Delhi, New Delhi, during June 28-July 2, 2017. The previous two editions of AIR were held at R&DE, DRDO Pune (AIR 2013) and BITS Pilani Goa Campus, Goa (AIR 2015). The conference website is http://www.advancesinrobotics.com

Call for Submission

The AIR 2017 Doctoral Symposium welcomes submissions from doctoral students who are working on topics that are relevant to the following fields of Robotics (Representative list. Can include other related topics):

- Kinematics, dynamics, control and simulation of autonomous intelligent systems
- Design of robotic mechanisms
- Man-machine interface and integration
- Robotics-related computer hardware, software, and architectures
- Navigation of Unmanned vehicles – ground, aerial, underwater
- Machine learning and artificial intelligence for robotics
- Bio-mimetic and Bio-inspired Robotic Systems
- Vision and other non-contact sensory systems
- Tactile and other contact sensory technology
- Active sensory processing and control
- Medical and Assistive Robotics
- Swarm Robotics
- Humanoid Robots
- Safe Robots
- Robotic Hand
- Virtual Reality & Haptics
- Tele-robotics

Guidelines for Submission

Doctoral symposium papers should describe the problem addressed as part of the PhD work, explain its importance, discuss the shortcomings of existing solutions and give some indication of steps taken towards a solution. There should be enough substance to encourage discussion at the symposium, but the work does not need to be complete.

Submissions from students both at early and late stages of their doctoral work are encouraged. Students whose submissions are accepted will have the opportunity to present their work during the symposium. **Supervisors of doctoral students must attend the symposium.** Distinguished scientists from around the world, in both academic and industrial research, will be present to give feedback and advise the students.

Awards

There will be special cash awards based on the quality of presentations. **Only those students who will attend along with supervisors, will be eligible for awards.**

Submission Instructions

All submissions must be limited to 2 pages of the two-column IEEE Conference Proceedings format. These submissions will be made available in a handout during the symposium. Submissions should be emailed to docsymp2017@gmail.com.

Registration

Presenters will be required to register for AIR 2017 at the student rate and will be expected to attend the conference and pre-conference tutorials.

Indian Delegates:

Students : Rs. 3,000

RSI members have a discount of Rs. 1,000

International Delegates:

Students : USD 350

Important Dates

Doctoral Symp. Deadline: May 1, 2017

Doctoral Symp. Results: May 30, 2017

Conference: June 28- July 2, 2017

Doctoral Symp. Date: July 2, 2017

Patron
- Prof. V. Ramgopal Rao
  Director, IIT Delhi

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  CSIR-CEERI Pilani
- Prof. Santanu Chaudhury
  IIT Delhi/CSIR-CEERI Pilani

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http://www.advancesinrobotics.com