

# Advances in Robotics (AIR 2017)

3<sup>rd</sup> International Conference of Robotics Society of India

June 28-July 2, 2017

Indian Institute of Technology Delhi, New Delhi, India



## FIRST CALL FOR PAPERS

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>

## Contributed Papers

The organizers of the conference invite unpublished research work in the following fields of Robotics (representative and non-exhaustive):

- 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
- Vision and other non-contact sensory systems
- Tactile and other contact sensory technology
- Active sensory processing and control
- Machine learning and artificial intelligence for robotics
- Medical and Assistive Robotics
- Bio-mimetic and Bio-inspired Robotic Systems
- Swarm Robotics
- Navigation of Unmanned vehicles – ground, aerial, underwater
- Humanoid Robots
- Safe Robots
- Robotic Hand
- Virtual Reality & Haptics
- Tele-robotics

## Plenary Talks

During the conference, a set of high quality plenary talks will be delivered by experts in the field of robotics. Some of the plenary talks in the previous AIR conferences were given by Prof. Seth Hutchinson, Prof. Roland Seigwart and Prof. Steven LaValle.

## Workshop and Tutorials

A full day workshop and/or tutorials will be held during the conference. The details on the workshop would be made available on the conference website.

## Doctoral Symposium

A symposium will be held for the PhD students working in all areas relevant to robotics. It would provide an opportunity to showcase their ongoing research work and interact with experts in the field. More details on the conference website.

## Submission Instructions

Research papers have to be submitted in double column ACM format. There is a maximum page limit of 6. The submitted papers will undergo peer-review process. The template and instructions are available on the conference website.

## Proceedings

All the accepted papers, after incorporation of the reviewers comments, will be published by ACM.

## Important Dates

Full Paper Submission Deadline: **Feb 1, 2017**  
Announcement of Results: April 10, 2017  
Camera Ready Version: May 5, 2017  
Doctoral Symp. Deadline: May 5, 2017  
Doctoral Symp. Results: May 25, 2017  
Conference: June 28- July 2, 2017

## Patron

- Director, IIT Delhi

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## Proceedings:

Published by ACM

