Advances in Robotics (AIR 2021)

5th International Conference of The Robotics Society (TRS)

June 30-July 4, 2021

Indian Institute of Technology Kanpur (IITK), Kanpur, India
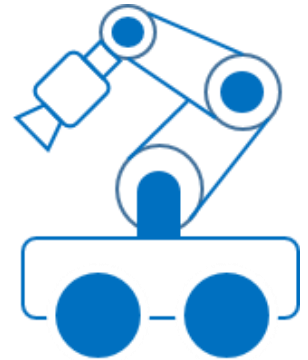
FIRST CALL FOR PAPERS

Advances in Robotics (AIR) is a series of biennial conference organized by The Robotics Society (earlier referred to as 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, workshops, doctoral symposium and special industry oriented sessions.

AIR 2021, the 5th conference of the series, will be conducted in "Fully Online Mode" by IIT Kanpur, Kanpur, Uttar Pradesh, India during June 30-July 4, 2021. The previous editions of AIR's were held at R&DE, DRDO Pune (AIR 2013), BITS Pilani Goa Campus, Goa (AIR 2015), IIT Delhi (AIR 2017) and IIT Madras (AIR 2019).

Contributed Papers

The organizers of the conference invite unpublished research work in the following fields of Robotics (Representative list. Can include other related topics):
- Kinematics, dynamics, control and simulation of autonomous intelligent systems
- Navigation of Unmanned vehicles – ground, aerial, underwater, etc.
- Robotics-related computer hardware, software, and architectures
- Machine learning and artificial intelligence for robotics
- Vision and other non-contact sensory systems
- Bio-mimetic and bio-inspired robotic systems
- Tactile and other contact sensory technology
- Man-machine interface and integration
- Active sensory processing and control
- Design of robotic mechanisms
- Medical and assistive robotics
- Virtual Reality & haptics
- Humanoid robots
- Swarm robotics
- Robotic hand
- Tele-robotics
- Safe robots

Plenary and Keynote Speakers

AIR Conferences invite highly reputed researchers from robotics domain to deliver plenary and keynote lectures. Finalized speakers shall be notified in the due course on the Conference website.

Workshop and Tutorials

A full day workshop and/or tutorials may be held during the conference. The topic(s) of the workshop will be related to Robotics and its applications.

Doctoral Symposium

A symposium shall 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.

Submission Instructions

The authors have to follow ACM format of double column, within a 6 page limit. **The submitted papers will be double blind peer-reviewed to determine acceptance**.

Proceedings

The accepted papers, after incorporation of reviewer's comments, will be published by ACM (Association for Computing Machinery) as ACM-ICPS (International Conference Proceedings Series). All earlier proceedings of AIR conferences have been included in the databases such as Scopus, etc.

Registration

Regular Delegate:	Rs. 4,000
Student Delegate:	Rs. 3,000
Discount for TRS Members:	Rs. 1,000

Important Dates

Full Paper Submission:	**Feb 28, 2021**
Announcement of Results:	April 30, 2021
Camera Ready Version:	May 31, 2021
Doctoral Symposium Deadline:	May 10, 2021
Doctoral Symposium Results:	May 31, 2021

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