

Call for Contributions

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICAS+2019+Special>

Please select Track Preference as **TERRA**

Special track

TERRA: Technologies for Real Robotic Autonomy

Chair and Coordinator

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along with

ICAS 2019, The Fifteenth International Conference on Autonomic and Autonomous Systems

June 02, 2019 to June 06, 2019 - Athens, Greece

<https://www.iaria.org/conferences2019/ICAS19.html>

Research on robotic platforms has witnessed impressive developments in recent years, with a large number of platforms being successfully designed to perform a wide variety of tasks, ranging from autonomous navigation, to manipulation, to human-robot interaction etc.

However, the vast majority of such platforms have been validated in a lab setting, but much more is needed to fully deal with the complexity of the world outside the lab. In this session we will discuss technologies that will allow robotic platforms to reliably work in real settings: advanced sensing (e.g., vision, tactile, etc.), actuation (e.g., advanced motor control, non-electric actuators, etc.), rugged designs, system integration, etc.

Example of applications to be considered include, but are not limited to, robots operating in unstructured/hazardous environments, robots and co-bots working closely with humans, ground and aerial robots capable of reliably operate outdoor.

Potential topics, but not limited to:

- Autonomous mobile robots (ground, aerial, underwater)
- Robotics in hazardous environments
- Advanced sensing for robot autonomy
- Advanced manipulation and actuation
- Multi-robot and human-robot coordination

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Important Datelines

- Inform the Chair: As soon as you decided to contribute

Submission: April 7, 2019

Notification: April 27, 2019

Registration: May 5, 2019

Camera-ready: May 5, 2019

Note: These deadlines are flexible, providing arrangements are made ahead of time with the chair.

Paper Format

- See: <http://www.iaia.org/format.html>

- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>

- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>

- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=ICAS+2019+Special>

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.

- Registration fees are available at <http://www.iaia.org/registration.html>

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