

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 **AUV**

Special track

AUV: Automated Unmanned Vehicles

Chair and Coordinator

Assist. Prof., Dr. Eng. Abdulla Al-Kaff, Universidad Carlos III de Madrid, Spain

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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>

Autonomous driving is considered as one of the top ten emerging technologies in recent years. Companies such as Tesla and Google have taken considerable efforts on autonomous vehicle prototypes. Some autonomous vehicles are already under test on public roads.

Therefore, AUV'19 special track will focus on the research advances related to autonomous driving, including but not limited to artificial intelligence, computer vision, sensing, planning, decision-making and control abilities for intelligent vehicles.

The purpose of this special track is to gather a group of active researchers in the area of intelligent transportation systems and autonomous driving vehicles in a same room and discuss their most recent research results. The research results can touch upon both advances in theory and applications. The proposed workshop will consist of several invited talks and regular talks.

Authors are invited to submit papers that fall in the area of the intelligent transportation systems and self-driving vehicles, including but not limited to:

- Intelligent transportation systems
- Autonomous decision-making for intelligent vehicles
- Real-time object detection, recognition and tracking for autonomous driving
- Deep learning perception for intelligent vehicles
- Motion planning of autonomous vehicles
- Path tracking and motion control for intelligent vehicles
- Cooperative driving using V2X technologies
- Advanced safety technologies for autonomous vehicles
- Cyber security in autonomous vehicles
- Vehicular sensors
- Navigation and localization systems

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.aria.org]
- Presentations: slide only [slide-deck posted on www.aria.org]
- Demos: two pages [posted on www.aria.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.aria.org/format.html>

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

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.ariajournals.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.ariasubmit.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.aria.org/registration.html>

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