Call for Contributions

Submission:
1. Inform the Chair: with the Title of your Contribution
2. Submission URL:
   https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SENSORDEVICES+2017+Special
Please select Track Preference as SOLV

Special track

SOLV: Systems and Optimizations for Intelligent Vehicles

Chair and Coordinator

Yurong Jiang, Researcher, Hewlett-Packard Labs - Palo Alto, California
yurong.jiang@hpe.com

along with
SENSORDEVICES 2017, September 10 - 14, 2017 - Rome, Italy
The Eighth International Conference on Sensor Device Technologies and Applications
http://www.iaria.org/conferences2017/SENSORDEVICES17.html

The new SOLV track seeks to present the innovations and significant research on the design, implementation and evaluation of smart vehicular computing, communication and applications especially on embedded vehicle sensors. In recent years, we have been witnessing the development of reliable, high-performance, scalable, secure, and privacy-preserving intelligent vehicle technologies, as well as associated mobility services. Moreover, as automotive industries move forward, they are installing more sensors in current vehicles to enable new features. These innovation and development efforts bring up a special challenge for research community. The strict requirements of vehicle systems for safety, real-time and security make the research extremely challenging and exciting.

This special track will present research into interesting design and implementation for intelligent vehicle systems, as well as applications that enables new features for the platforms. We hope to bring together researchers from the initiatives from different places to chart the way forward in this rapidly evolving field.

Topics include, but not limited to:

- Automated Vehicles
- V2I / V2V Communication
- Autonomous / Intelligent Robotic Vehicles
- Vehicular Active Safety System
- Safety and non-safety applications or service
- Wireless in-car networks
- Information and Sensor Fusion
- Vehicle Environment Perception
- Telematics and Vehicle-Cloud Integration
- Intelligent Vehicle Software and Computing Infrastructure
- Cooperative Vehicle-Infrastructure Systems
- Vehicle Communication protocol design and network management
• Vehicle System architecture and design
• Vehicular IoT Infrastructure
• Security and privacy issues and protection mechanisms
• Cyber-physical system modeling

Important Datelines
- Inform the Chair: As soon as you decided to contribute
- Submission: August 2
- Notification: August 9
- Registration: August 16
- Camera ready: August 16

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

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]

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iarajournals.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.iariasubmit.org/conferences/submit/newcontribution.php?event=SENSORDEVICES+2017+Special
Please select Track Preference as SOLV

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.iaria.org/registration.html

Contacts
Yurong Jiang, Hewlett-Packard Labs - Palo Alto, California yurong.jiang@hpe.com
SENSORDEVICES Logistics: steve@iaria.org