

## 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

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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](http://www.iaria.org)]
- Presentations: slide only [slide-deck posted on [www.iaria.org](http://www.iaria.org)]
- Demos: two pages [posted on [www.iaria.org](http://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.iariajournals.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>

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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.iaria.org/registration.html>

### **Contacts**

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