



**2018 IEEE Intelligent Vehicles Symposium (IV'18)**  
**Changshu, Jiangsu, China, June 26 – June 30, 2018**

## **Call for papers**

### **“Offline test and Evaluation for Autonomous Driving” Workshop (Code: 1u8v5)**

The development of autonomous driving demands massive tests, both online and offline. The online test suffers from several limitations, including its high testing cost, the potential violation to public safety, and the restricts from the law. Unlike the online test, the offline tests are not limited by the testing fields. It can cover the validation from the algorithm to the whole system, and systematically check adaptability to different environments and capability of the autonomous driving. The workshop focuses on the offline testing and try to encourage the research on the offline testing theories, methods, tools and datasets.

#### **The topics of interest include but are not limited to:**

- Dataset and testing benchmarks for autonomous driving
- Processing and organization of sensor data
- Virtual Sensors for offline testing
- Hardware-in-the-loop simulation and testing
- System Architecture of offline test
- Evaluation of environmental cognitive ability for autonomous driving
- Evaluation of the intelligent level for autonomous driving
- Offline test of recognition and understanding for traffic environment
- Offline test of driving behavior planning and decision making

#### **Workshop Organizers:**

**Yuehu Liu**, Xi'an Jiaotong University, China, ([liuyh@mail.xjtu.edu.cn](mailto:liuyh@mail.xjtu.edu.cn))

**Yuanqi Su**, Xi'an Jiaotong University, China, ([yuanqisu@mail.xjtu.edu.cn](mailto:yuanqisu@mail.xjtu.edu.cn))

**Chi Zhang**, Xi'an Jiaotong University, China, ([colorzc@stu.xjtu.edu.cn](mailto:colorzc@stu.xjtu.edu.cn))

#### **How and when to submit papers**

The workshop papers should be submitted by **Feb 14, 2018**, via the conference Papercept management system (<http://its.papercept.net>). Note that the authors need to use the workshop code “**1u8v5**” to direct the paper to “**Offline test and Evaluation for Autonomous Driving**” workshop. Also, please choose in the conference management system the 2018 IEEE Intelligent Vehicles Symposium.

Note that workshop paper is limited to a total of six pages including references. A maximum of two supplementary pages is permitted at an extra charge. Further, due to space constraints on the proceedings of the conference, all papers are limited to 2 MB in size and should preferably be less than 500 kB.