



## Call for Papers

### **2018 IEEE Intelligent Vehicles Symposium (IV'18)**

**June 26 – June 30, 2018, Changshu, Suzhou, China**

**Sponsored by the IEEE Intelligent Transportation Systems Society**

### **Intelligent Transportation and Autonomous Vehicles**

The 2018 IEEE Intelligent Vehicles Symposium (IV'18) is a premier annual technical forum sponsored by the IEEE Intelligent Transportation Systems Society (ITSS). It brings together researchers and practitioners worldwide to share and discuss the latest advances in theory and technology related to intelligent vehicles. It welcomes articles dealing with any aspect of intelligent vehicles, as well as proposals for workshops and special sessions. Demonstration and Exhibition related to intelligent vehicles are also welcome.

Autonomous vehicles have been estimated as one of the top ten emerging technologies in recent years. Google, Tesla, Baidu and other technological companies have taken considerable efforts on autonomous vehicle prototypes. Some autonomous vehicles are already under test on public roads. This workshop will include the exiting great challenges, such as the cost-effective solution of perception, the development of self-driving control strategy from scratch, the enormous computation burden when dealing vast amount of environment variables under real traffic conditions. Experimental work on perception and act-decision for autonomous vehicles are also welcome. This workshop aims to gather researchers in the areas of intelligent transportation and automated vehicles, drive motor system miniaturization and lightweight technology, system integration design method and technology, driving system intelligent control technology, the reliability of the drive motor system and fast evaluation method. Experimental work on perception and act-decision for autonomous vehicles are also welcome.

#### **List of Topics:**

- Intelligent transportation
- Key components of autonomous vehicles
- Cooperative freight operation and logistics

#### **Important Dates:**

Full paper submission: February 14, 2018

Notification of acceptance/rejection: March 31, 2018

Final paper submission: April 8, 2018

Conference days: June 26 - July 1, 2018

**Paper Submission:**

Prospective authors are required to submit their manuscripts electrically through the conference. Paper submission system (<https://its.papercept.net>) and with the code “**gm31n**” for the workshop. Submitted papers are limited to a total of six (6) pages including references. A maximum of two (2) 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. See more detailed information at the conference website (<http://www.2018iv.org/>) and prepare your paper.

**Organizers:**

Dr. Li huiyun, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences(SIAT), [hy.li@siat.ac.cn](mailto:hy.li@siat.ac.cn)

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**Address:**

The Chinese 10th Intelligent Vehicles Future Challenge (IVFC 2018, June 30-July 1, 2018) will be held at the Chinese flagship Intelligent Vehicle Proving Center (iVPC), Changshu, Suzhou, China, which is a county-level city located in the lower reaches of the Yangtze River in Jiangsu Province. Its envied cultural history, beautiful landscape, and abundant produce have won itself a great admiration in east China.