

The 14th International Symposium on
Advanced Vehicle Control
AVEC 2018

INTRODUCTION

The 14th International Symposium on Advanced Vehicle Control (AVEC 2018), will be held in **Beijing, China**, from **July 16th to July 20th, 2018**. Since successfully first held in Yokohama in 1992, AVEC has brought together the world best researchers and engineers, and is considered as one of the most attractive international conferences in automotive control technologies.

The main goal of AVEC is to provide a multidisciplinary forum between researchers from both industry and academia to exchange their ideas and innovations, and present recent achievements as well as prospects in advanced vehicle control. We look forward to your contributions and cordially invite all of you to AVEC 2018 in Beijing.

ORGANIZED BY TSINGHUA UNIVERSITY

In association with

Beihang University

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X.Guan (China)	Y. Furukawa (Japan)
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SYMPOSIUM TOPICS

AVEC 2018 will cover a wide range of topics on advanced automotive control systems, including but not limited to:

- Autonomous Driving and Vehicle Connection
- Vehicle Dynamics and Chassis Control
- Powertrain Control and Energy Management
- Advanced Driver Assistance Systems
- Intelligent Traffic Management and Control
- Machine Learning and Environment Perception

Attendees are welcome to propose their invited sessions if their topics are related to AVEC 2018. Proposals for invited sessions should be submitted via the AVEC website. Each session is expected to 5~10 invited speakers with submitted papers. The proposal should include:

- Invited Session Title
- Brief of Topic Area (~300 words)
- Names, affiliations and contact information of session organizers and potential speakers

IMPORTANT DEADLINES

Invited Session proposal:	January 31, 2018
Extended abstract submission:	February 15, 2018
Notification of acceptance:	March 31, 2018
Full paper submission:	May 15, 2018

SYMPOSIUM PROGRAM

- **July 16 (Mon)** Arrive & Registration
Reception
- **July 17 (Tue)** Opening Ceremony
Keynote Speech & Sessions
- **July 18 (Wed)** Keynote Speech & Sessions
- **July 19 (Thu)** Keynote Speech & Sessions
Closing Ceremony
- **July 20 (Fri)** Technical Visits

PRESENTATION OF PAPERS

Official language of AVEC is English. Each oral presentation is limited to 30 minutes, including a 10-minute Q&A.

PAPER SUBMISSION

Authors are suggested to first submit an extended abstract in English. This should include paper title, motivation and main method, main results, key figures and tables, limited to 2 pages (A4). The extended abstract will be reviewed by AVEC international scientific committee.

Successful authors will be required to submit a full paper, limited to 6 pages.

Note that abstracts or papers for Invited Sessions should choose Topic: Invited Session in <http://avec2018.org>.

AWARD AND JOURNAL PUBLICATION

AVEC has been working closely with high-qualified journals in automotive engineering, including <Journal of Intelligent and Connected Vehicles>, <Vehicle System Dynamics (VSD)>, <International Journal of Vehicle Design (IJVD)>, and <International Journal of Vehicle Autonomous Systems (IJVAS)>. To stimulate scholarly activity and broaden academic interest, the conference will also feature an award for best papers. Further extension of best papers as well as all candidate papers will be invited for abovementioned journal or their special issues.

REGISTRATION

All delegates, including those presenting papers, are expected to register for the symposium. The fee includes conference attendance, technical visits, catering, general program and proceedings.

Delegates registration fee: ¥3,500 until May 15, 2018
 ¥4,000 after May 15, 2018
Students registration fee: ¥1,500 (ID required)

SYMPOSIUM VENUE

The AVEC 2018 will be held in Beijing, the capital of China with a history of more than 3,000 years. As the political, educational, and cultural center of China since the Yuan Dynasty, Beijing is always the first choice of travelers who are willing to know a time-honored and developed city of China. The numerous royal temples, imperial palaces, ancient houses, museums with long history endow Beijing with incomparable charm, attracting millions of visitors every year. On the other hand, as the host city of the 2008 Olympic Games, this oriental ancient city presented her best fashion fascination to the world.

The Symposium will be held at Beijing International Convention Center Hotel, close to “China’s Silicon Valley”, Zhongguancun District, Beijing. The hotel is also close to the Summer Palace and the Garden of Perfection and Brightness.

CORRESPONDENCE

All inquiries should be addressed to:

E-mail : avec2018@mail.tsinghua.edu.cn

Please visit AVEC 2018 website:

<http://avec2018.org>



The Forbidden City



Beijing National Stadium



The Summer Palace



The Great Wall



Main gate of Tsinghua University



Wenjin Hotel



R&D Center of BAIC MOTOR