

15th International Symposium on Advanced Vehicle Control AVEC '20

INTRODUCTION

The AVEC symposium has a long history and distinguished reputation as one of the attractive international conferences for vehicle systems dynamics and control. After the first symposium in Yokohama in 1992, AVEC has recently become internationally renowned as it has also visited Tsukuba, Aachen, Nagoya, Michigan, Hiroshima, Arnhem, Taipei, Kobe, Loughborough, Seoul, Tokyo, Munich, and Beijing. In order to succeed this accomplishment and to control future directions, AVEC Board has been organized as shown. The goal of AVEC is to contribute to the future research and development via the active exchange of knowledge and vision between 50/50 engineers in a wide range of vehicle control from industry and academia. The symposium of AVEC '20 will come back to its hometown Japan. The organizing committee cordially invites you to become a part of AVEC '20 for getting knowledge and impression about state-of-the-art research and development in advanced vehicle control through active discussions with various participants from industries and academic circles.

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ORGANIZED BY

AVEC '20 Organizing Committee in Society of Automotive Engineers of Japan, Inc. (JSAE) and Kanagawa Institute of Technology (KAIT).

In association with

International Association for Vehicle System Dynamics (IAVSD)

International Federation of Automatic Control, Technical Committee on Automotive Control (IFAC TC7.1)

Japan Society of Mechanical Engineers (JSME)

Society of Instrument and Control Engineers (SICE)

chassis.tech plus, Automobiltechnische Zeitschrift (ATZ)

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SYMPOSIUM TOPICS

The topics cover the wide range of advanced automotive control, but not limited to the following topics.

- Vehicle Dynamics Theory
- Steering, Brake, Tire, Suspension
- Chassis Control
- Powertrain
- Electrified Vehicles
- Active Safety Systems
- Driver-Vehicle Systems
- Advanced Driver Assistance Systems
- Autonomous Driving Systems
- Modeling
- Driver Model
- Identification and Estimation
- Sensors and Actuators
- Testing and Validation
- Other related topics in vehicle control

PAPER SUBMISSION

Prospective authors are requested to submit an extended summary in English, describing the problem definition, method and results expected or obtained. This should include figures and tables and is limited to two pages (A4) and approximately 1,500 words. Expected presentation area of topics is essential. PDF format is preferable. Successful authors will be required to submit a final manuscript of four pages in length. Further additional pages should not exceed two pages in length.

Submission website <https://avec2020.org/>

AWARD AND JOURNAL PUBLICATION

Awards will be made for the best papers in each of the significant categories of the symposium, judged by a panel of the AVEC international scientific committee. Outstanding papers selected by the committee will also be invited for publication in a special issue of Vehicle System Dynamics or International Journal of Automotive Engineering.

IMPORTANT DATES

Extended summary: January 14, 2020
Notification of acceptance: March 23, 2020
Final manuscripts: June 01, 2020
Early registration: June 01, 2020

SYMPOSIUM PROGRAM 2020

Welcome reception: September 14
Plenary & technical sessions: September 14-17
Technical visits: September 16
AVEC party: September 16
Post symposium tours: September 18

REGISTRATION

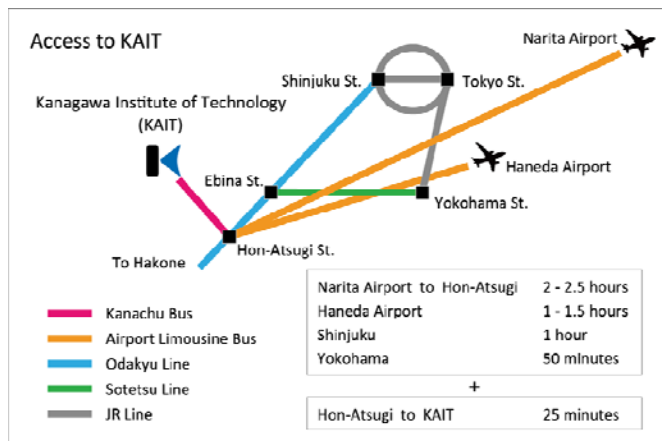
All delegates, including those presenting papers, are expected to register for the symposium. Registration includes a USB memory of the symposium proceedings, book of abstracts, attendance at all plenary and technical sessions, refreshments, reception and AVEC Party.

Symposium registration fee (tax included):

Early Bird	¥60,000	Jun. 01, 2020
Standard	¥65,000	Jun. 02 to Aug. 17, 2020
Late/On-site	¥70,000	Aug. 18, 2020

SYMPOSIUM VENUE

The symposium will be based in Kanagawa Institute of Technology (KAIT). The city of Atsugi, where Kanagawa Institute of Technology is located, is in the center of Kanagawa Prefecture, in the suburbs of Tokyo. From Hon-Atsugi Station, the train accessibility is high to nearby cities as Tokyo and Yokohama.

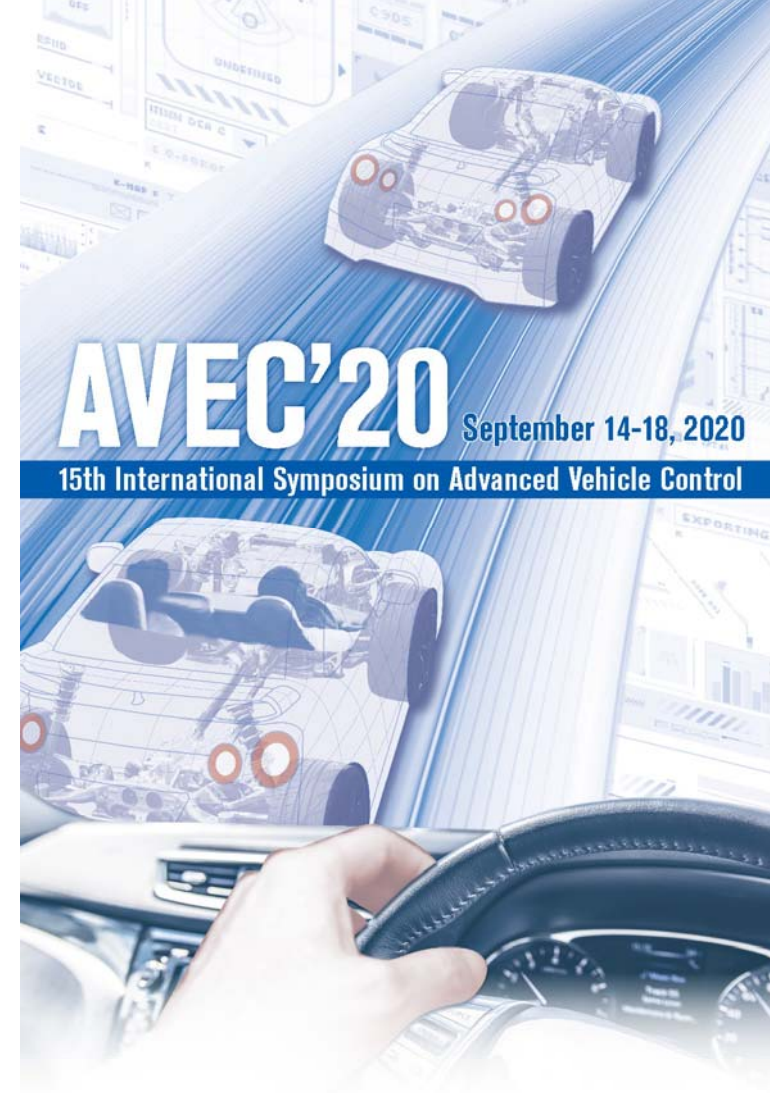


Kanagawa Institute of Technology

CORRESPONDENCE

All inquiries and proposals concerning the symposium should be addressed to AVEC '20 secretariat:

E-mail : avec20@or.knt.co.jp



Kanagawa Institute of Technology, Kanagawa, Japan

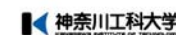
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and



Kanagawa Institute of Technology (KAIT)