12th International Symposium on

Advanced Vehicle Control

AVEC '14

INTRODUCTION

The AVEC symposium has a long history and distinguished reputation as one of the attractive international conferences for vehicle system dynamics and control. After the first symposium in Yokohama in 1992, AVEC has recently become internationally renowned as it has also visited Aachen, Michigan, Arnhem, Taipei, Loughborough and Seoul. The stage of AVEC '14 will come back to its hometown Japan. The goal of AVEC is to contribute to the future research and development via the active exchange of knowledge and vision between engineers from industry and academia. The organizing committee cordially invites you to become a part of AVEC '14 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.

ORGANIZED BY

AVEC'14 Organizing Committee in Society of Automotive Engineers of Japan, Inc. (JSAE)

In association with

International Association for Vehicle System Dynamics (IAVSD)
International Federation of Automotive Engineering Societies (FISITA)
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)

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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: steering, brake, tire, suspension
- Integrated chassis control systems
- Autonomous driving and collision avoidance
- Active safety and driver assistance systems
- Driver modeling
- Intelligent Transportation Systems (ITS)
- Modeling and simulations, State estimation
- Sensors and actuators
- Pure electric vehicles, Hybrid electric vehicles and Energy-efficient vehicles
- Advanced concept vehicles
- Other related topics in vehicle control

PRESENTATION OF PAPERS

The official language of the symposium is English. Presentations will be limited to 30 minutes, including a 10- minute question-and-answer session.

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. PDF format is preferable.

Authors should pre-register on the symposium website in order to submit an extended summary. The submitted summaries will be reviewed by the international scientific committee members. Successful authors will be required to submit a full paper, limited to six pages.

Submission website http://www.avec14.com

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.

IMPORTANT DATES

Extended summary:	January 15, 2014
Notification of acceptance:	March 20, 2014
Final manuscripts:	May 30, 2014
Early registration:	May 30, 2014

SYMPOSIUM PROGRAM

Welcome reception:	September 22
Plenary & technical sessions:	September 22-25
Technical visits:	September 24
AVEC party:	September 24
Post symposium tours:	September 26

REGISTRATION

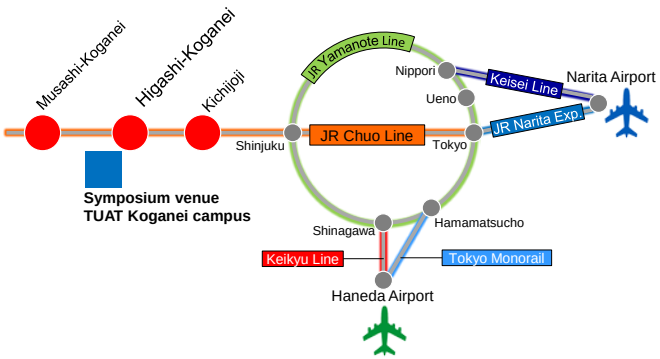
All delegates, including those presenting papers, are expected to register for the symposium. Registration includes a CD/USB memory of the symposium proceedings, book of abstracts, attendance at all plenary and technical sessions, refreshments, reception and AVEC party.

Symposium registration fee:

¥50,000 until May 30, 2014
¥60,000 after May 30, 2014

SYMPOSIUM VENUE

The symposium will be based in Tokyo University of Agriculture and Technology (TUAT), Faculty of Engineering, Koganei campus. One of TUAT major research fields is advanced vehicle technology as it is located nearby several national research institutes related to mobility and vehicles. The campus is located nearby Higashi-Koganei station which can be reached by taking rapid trains of JR-chuo line within 40 minutes from Tokyo station.



Tokyo University of Agriculture and Technology, Koganei-Campus

CORRESPONDENCE

All inquiries and proposals concerning the symposium should be addressed to AVEC '14 secretariat:

E-mail : avec14@ics-inc.co.jp

AVEC '14

12th International Symposium on Advanced Vehicle Control

September 22-26, 2014

Tokyo University of Agriculture and Technology
Koganei-Campus, Tokyo, Japan

URL: http://www.avec14.com
E-mail: avec14@ics-inc.co.jp

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