

# FAST-zero '17



## 4th International Symposium on Future Active Safety Technology Toward zero traffic accidents

### Introduction

FAST-zero'17 will be held in Nara, a historical place and ancient capital of Japan after the successful 3rd symposium in Gothenburg, Sweden. Following the tradition of FAST-zero symposia, we will bring together researchers and engineers from industry and academia to present the current state-of-the art and progress in research and development of active safety technologies.



*Last symposium: FAST-zero '15*

Innovation in the field of active safety is the key driving force towards the ultimate goal of realizing zero traffic-accidents. Researchers around the world have been investigating methods for active safety to reduce and possibly eliminate the number of traffic accidents as well as road fatalities. Especially, automated and connected

vehicles have the potential to enhance safety through new sensors, dynamic map, artificial intelligence and other technologies that have experienced a great improvement in the last years. The organizers are looking forward to your contribution and to seeing you at FAST-zero'17.

### Organized by

FAST-zero'17 Organizing Committee of the Society of the Automotive Engineers of Japan, Inc. (JSAE)

### In Association with

- International Federation of Automotive Engineering Societies (FISITA)
- International Association of Traffic and Safety Sciences (IATSS)
- International Federation of Automatic Control, Technical Committee on Automotive Control (IFAC)
- IEEE-Intelligent Transportation Systems Society (ITSS)
- ITS-Japan
- Japan Society of Mechanical Engineers (JSME)
- Nara Prefecture
- Society of Instrument and Control Engineers (SICE)

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T. Wada (Japan)  
K. Yi (Korea)

### Call for Papers

Authors intending to present a paper at the FAST-zero '17 symposium are invited to submit an extended abstract in English, with a length of approximately 1000 words. The extended abstract should clearly reflect the contents of the paper, and should not exceed 2 pages of A4 size (including figures).

The extended abstract must be accompanied by the following information:

1. Title of paper
2. Name of author(s)
3. Affiliation(s)
4. Symposium Topics (up to 3 - see list of topics)
5. Abstract (approx. 1000 words, including figures)
6. Corresponding Author  
Name, Affiliation, Complete mailing address,  
E-mail address, Telephone number / Fax number

For authors who wish to publish their research works in international journals, we recommend the authors submit the revised manuscripts to "International Journal of Automotive Engineering (IJAE)" published by JSAE. The peer review process will proceed after the symposium.

### Important Dates

Deadline for abstracts:	November 25, 2016
Notification of acceptance:	February 28, 2017
Deadline for full papers:	May 19, 2017
Deadline for author registration:	May 19, 2017

## Symposium Topics

FAST-zero'17 topics will cover the wide range of active safety technology topics including but not limited to:

- On-Board Sensing Active Safety System
  - Autonomous Driving Technology & Driver Assistance Systems
  - Vehicle Dynamics Control
  - Vehicular Sensors and Environment Perception
- Communication-Based Active Safety System
  - Connected Vehicles & Cooperative Driver Assistance System
  - ITS and ICT for Safety Applications
- Driver Characteristics and Human Factor
  - Driver Monitoring
  - Driver Behavior Modeling
  - Driver Assessment and Training
  - Cooperation between Driver and Assistance Systems
  - Human Machine Interface
- Active Safety Testing Method and Assessment
  - Safety Impact Assessment of Active Safety Devices
  - Driving Simulator
  - Modeling and Simulation
  - Field Operational Test
- Other Related Topics on Active Safety

## Official Language for Papers & Presentations

The official language of the symposium for both paper and presentation is English. Oral presentation will be made in parallel sessions during the symposium. Presentation will be limited to 25 minutes, including a 10-minute question-and-answer session. All contributed papers will be published in the FAST-zero '17 proceedings.

## Paper Submission

Prospective authors are requested to submit an extended abstract 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 1,000 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.

Paper Submission website: <http://www.fast-zero17.info/>  
At least one author for each technical paper must register

and pay the symposium registration fee before the electronic submission of full paper. Accepted full papers with registered author(s) will be published in Symposium Proceedings.

## Awards and Journal Publication

Best papers will be awarded, nominated by a panel of the FAST-zero international scientific committee.

Outstanding papers selected by the committee will be recommended for publication in IJAE of JSAE.

## 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 FAST-zero party.

Symposium registration fee:

¥60,000 until June 15, 2017.

¥70,000 after June 16, 2017.

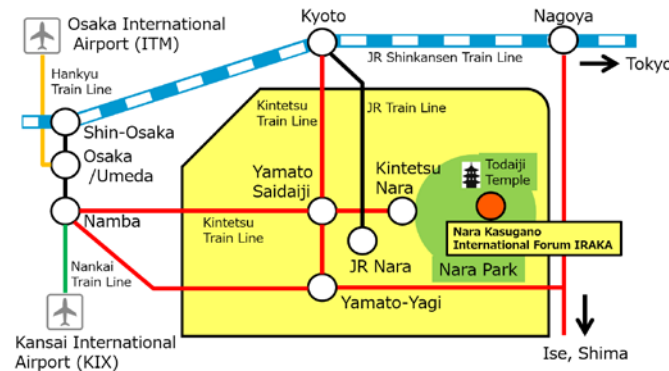
¥35,000 students (No early discount)

Discount fees for accompanying persons are considered.

## Symposium Venue

The symposium will be held at Nara Kasugano International Forum, in Nara Park. The Forum can be reached by bus about 10 minutes from Kintetsu-Nara or JR-Nara station.

Address: Kasugano-cho, Nara-city, Nara 630-8212, Japan



## Correspondence

All inquiries and proposals concerning the symposium should be addressed to FAST-zero'17 Secretariat:

E-mail: [fast-zero17@jtbcom.co.jp](mailto:fast-zero17@jtbcom.co.jp)

## *First Announcement and Call for Papers*

# *FAST-zero '17*



## *4th International Symposium on Future Active Safety Technology Toward zero traffic accidents*

*September 18 to 22, 2017  
Nara, Japan  
at Nara Kasugano International Forum*

*Deadline for Abstracts: November 25, 2016*

*URL: <http://www.fast-zero17.info/>  
E-mail: [fast-zero17@jtbcom.co.jp](mailto:fast-zero17@jtbcom.co.jp)*

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