

FAST-zero'23



7th International Symposium on

Future Active Safety Technology

toward zero traffic accidents

November 8 to 11, 2023 Kanazawa, Japan

at the Kanazawa Chamber of Commerce and Industry



In Association with
(to be confirmed)



FAST-zero'23 will be held in Kanazawa, a historical place of Japan after the successful 5th symposium in Blacksburg, Virginia, USA and the 6th symposium online due to COVID-19. 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.

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 maps, 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 in person at FAST-zero'23.



Organization

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Symposium Topics

FAST-zero'23 topics will cover wide range of active safety technology topics including but not limited to:

Active Safety System

- Crash Avoidance
- Autonomous Driving Technology
- Driver Assistance Systems
- Vehicle Dynamics Control
- Vehicular Sensors and Environment Perception
- Connected & Cooperative Driver Assistance System
- ITS and ICT for Safety Applications
- Artificial Intelligence for Active Safety

Driver Characteristics and Human Factors

- Driver Monitoring
- Driver Behavior Modeling
- Driver Assessment and Training
- Cooperation between Driver and Assistance Systems
- Human Machine Interface / Interaction
- Comfort and Convenience

Active Safety Testing Methods and Assessment

- Safety Impact Assessment of Active Safety Devices
- Driving Simulators
- Testing and Validation Methods
- Modeling and Simulation
- Data Collection and Field Operational Test
- Accident/Incident Analysis

Other Related Topics on Active Safety

Important Dates

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|---|----------------------|
| Deadline for Extended Abstracts: | Mar. 31, 2023 |
| Notification of Acceptance: | May 30, 2023 |
| Deadline for Full Papers: | Aug. 18, 2023 |
| Deadline for Early Registration: | Sep. 29, 2023 |

FAST-zero'23 Website
<https://fast-zero.info/2023/>



Official Language for Papers & Presentations

The official language of the symposium for both paper and presentation is English. Oral presentations will be made in parallel sessions during the symposium. Each 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'23 proceedings.

Paper Categories

Prospective authors intending to present their research at FAST-zero'23 symposium should select one of the **two following categories** for paper submission.

a. Scientific paper

Scientific paper is the traditional style of FAST-zero symposia proceedings, containing minimum 4-page paper (up to 6 pages) for final submission. For authors who wish to publish their research works in international peer-reviewed journals, we recommend the authors submit the revised manuscripts to the "International Journal of Automotive Engineering (IJAE)" published by JSAE. The peer review process will be conducted after the symposium.

b. Industrial/Technical paper

Industrial/Technical paper requires less technical details than Scientific paper to lighten the workload in preparing the manuscripts for industrial engineers. Typically, 2-page paper (up to 3 pages) is required for final submission.

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) for Scientific paper**, or **one page (A4) for Industrial/Technical paper**. PDF format is preferable.

Authors should pre-register on the symposium website in order to submit an extended abstract. The submitted abstracts will be reviewed by the International Scientific Committee members. Successful authors will be required to submit a full paper, **4 pages (up to 6 pages) for Scientific paper**, or **2 pages (up to 3 pages) for Industrial/Technical paper**.

Submission website: <https://fast-zero.info/2023/>

At least one author of a Scientific or Industrial/Technical paper must register and pay the symposium registration fee before the electronic submission of a full paper. Accepted full papers with registered author(s) will be published in the Symposium Proceedings.

Awards & 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 the symposium proceedings, book of abstracts, attendance at all plenary and technical sessions, refreshments, welcome reception and banquet.

Symposium registration fee:

	Regular		Student
	Early	Standard	
Authors	-	¥65,000	¥25,000
Audience	¥50,000	¥60,000	¥25,000

* Registration of Authors submitting full papers is due by Aug. 18, 2023.

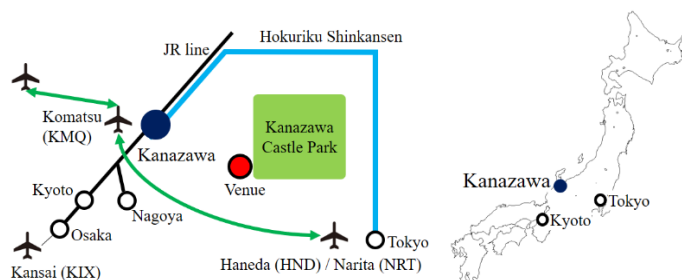
* Early registration of Audience is due by Sep. 29, 2023.

* Discount fees for accompanying persons are considered.

Symposium Venue

The symposium will be held at the Kanazawa Chamber of Commerce and Industry, near Kanazawa Castle Park. The venue can be reached by bus within about 10 minutes from JR-Kanazawa station.

Address: Oyama-machi, Kanazawa-city, Ishikawa
920-8039, Japan



If FAST-zero'23 cannot be held in person, the symposium will be held via Web conference.

Correspondence

All inquiries and proposals concerning the symposium should be addressed to FAST-zero'23 Secretariat:

E-mail: fastzero23@ec-mice.com

FAST-zero'23 is organized by

FAST-zero'23 Organizing Committee of the Society of Automotive Engineers of Japan, Inc. (JSAE)

In association with (to be confirmed)

- 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)
- Ishikawa Prefecture
- ITS Japan
- Japan Society of Mechanical Engineers (JSME)
- Society of Instrument and Control Engineers (SICE)