5th International Symposium on *Future Active Safety Technology toward Zero Accidents*

FAST-zero

September 9-11
2019

Blacksburg, Virginia, USA

CALL FOR PAPERS

FAST-zero = Future Active Safety Technology toward zero accidents

The 5th International Symposium on Future Active Safety Technology toward zero traffic accidents (FAST-zero '19) will be held in **Blacksburg, Virginia, USA** from **September 9 to September 11, 2019**. Following the tradition of FAST-zero symposia, this year's conference will bring together researchers and engineers from industry and academia to present the current state-of-the art 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.

Important Dates

Deadline for abstracts: March 1, 2019

Notification of acceptance: April 1, 2019

Early registration opens: April 1, 2019

Deadline for full papers: May 20, 2019

Early registration closes: June 17, 2019

Lodging reservations deadline: August 9, 2019

Registration closes: August 19, 2019

FAST-zero '19: September 9-11, 2019

Submissions:

Prospective authors are invited to first submit an extended abstract presenting original results falling under symposium topics. All extended abstracts are reviewed by at least two reviewers, and the accepted abstracts are finally extended and submitted as full papers. Abstracts should include figures and tables and are limited to 2 pages and approximately 1,000 words. Full papers are published in the proceedings of FAST-zero '19. For questions, email **submission@fast-zero19.org**.

Our mission is to bring together researchers and engineers from industry and academia to present the current state-of-the art progress in research and development of active safety technologies.

Committee

FAST-zero '19 Chair
Tomonari Furukawa (USA)

International Scientific Committee
Robert Parker (USA) - Chair
Stefan Byttner (Sweden)
Oliver Carsten (UK)
Zac Doerzaph (USA)
Shinichi Doi (Japan)
Tomonari Furukawa (USA)
Yoshimi Furukawa (Japan)
H. Clay Gabler (USA)
John Hansen (USA)
Roman Henze (Germany)
Hideo Inoue (Japan)
Makoto Itoh (Japan)
Satoshi Kitazaki (Japan)
Daniel Lechner (France)
James Li (USA)
Keqiang Li (China)
Shengbo Li (China)
Mathias Lidberg (Sweden)
Jianbo Lu (USA)
Chiyomi Miyajima (Japan)
Brendan Morris (USA)
Hiroshi Mouri (Japan)
Masao Nagai (Japan)
Oliver Pion (Germany)
Pongsathorn Raksincharoensak (Japan)
Bryan Reimer (USA)
Lakmal Seneviratne (UAE)
Stefan Schneider (Germany)
Motoki Shino (Japan)
Keisuke Suzuki (Japan)
Hadj Hamma Tadjine (Germany)
Masayashi Tomizuka (USA)
Takahiro Wada (Japan)
Herman Winner (Germany)
Kyongsu Yi (Korea)
Hidehisa Yoshida (Japan)
Liangyao Yu (China)

Symposium Topics

1. Driver Assistance Systems
   - Vehicular sensors
   - Traffic signs and markings detection
   - Pedestrian and animal detection
   - Road work objects and debris detection
   - Vehicle detection
2. Driver Characteristics and Human Factor
   - Driver Monitoring
   - Driver Behavior Modeling
   - Driver Assessment and Training
   - Cooperation between Drivers and Assistance Systems
   - Human Machine Interface
3. Localization and Mapping
   - Sensors for localization and mapping
   - High Definition (HD) maps
   - Vehicle and object localization
   - Road texture mapping and condition monitoring
   - Weather and environment condition monitoring
4. Active Safety and Autonomous Driving
   - Automatic emergency braking
   - Automatic lane keeping/changing
   - Intelligent Cruise Control (ICC)
   - Path and trajectory planning
   - Autonomous navigation and control
5. Connected Vehicles
   - Information and Communications Technology (ICT)
   - Intelligent Transportation System (ITS)
   - Connected vehicles and cooperative driver assistance systems
   - Vehicle-to-Vehicle (V2V) communication
   - Vehicle-to-Infrastructure (V2I) communication
   - Vehicle-to-Pedestrian (V2P) communication
   - Vehicle-to-X (V2X) communication
6. Other Related Topics on Active Safety

FAST-zero

More information: www.fast-zero19.org
General email: general@fast-zero19.org

Registration:

All participants in technical sessions are expected to register for the symposium. Registration includes a USB memory stick of the symposium proceedings, participation in all plenary and technical sessions, refreshments, receptions and the symposium banquet. Fees are as follows:

$550   On or before June 17, 2019.

$650   After June 17, 2019.

$250   Students (No early discount)

Conference venue:

The Inn at Virginia Tech and Skelton Conference Center is the only hotel located on the beautiful Virginia Tech campus in Blacksburg, Virginia, and offers convenient surroundings, state-of-the-art technology, and a world-class hotel with 147 elegant guest rooms including three suites. The facility sits on 25 lush acres within walking distance of the main campus and adjacent to the campus duck pond. Amenities abound at The Inn and include a fitness center and in room spa services. The hotel offers delicious selections for breakfast, lunch, and dinner at Preston's restaurant. Enjoy light meals and beverages in the hotel's lounge, Continental Divide.

The Inn adjoins the Skelton Conference Center where you'll find a spacious 8,832 square-foot ballroom, reception hall, and 10 dedicated meeting rooms especially designed for events and conferences. The complex is within easy walking distance to downtown Blacksburg, or guests may use the complimentary shuttle service.