



ITS AP Forum
FUKUOKA
May 8-10, 2018

The 16th Intelligent Transport Systems
Asia Pacific Forum, Fukuoka, Japan
(8th-10th May 2018)
Fukuoka International Congress Center

Call For Papers

Everyone's Mobility by ITS

www.itsap-fukuoka.jp/

The 16th Intelligent Transport Systems Asia Pacific (ITS AP) Forum will be held from the 8th to the 10th of May, 2018 in Fukuoka, Japan. It is the second time to hold the forum in Japan since the first ITS AP Forum in Tokyo in 1996. The Forum, **the ITS AP Fukuoka**, aim for the development of Asian mobility society and the creation of new values and evolutionary continuation. The concept of the ITS AP Fukuoka is **"Everyone's Mobility by ITS."** Considering the concept, the ITS AP Fukuoka will address critical issues and challenges, especially in the following five areas: **Safe and secure society** **Smart mobility** **Next generation mobility technology** **Infrastructure technologies for practical ITS** **Development of human resource and education**

The ITS AP Fukuoka Organizing Committee invites you to submit abstracts, which outline proposals for papers in a wide range of areas related to ITS technologies on basic and applied research, to the 16th ITS AP Forum in Fukuoka. The ITS AP Fukuoka Organizing Committee also welcome work-in-progress papers. Please refer the following submission guideline in preparing the abstracts.

Submission

- All papers should present original researches and developments that have not been published elsewhere.
- English is the official language of the forum. Therefore, all abstracts, posters and full papers must be written in English.
- The abstract should be written in one page, A4 format, in size 10pt, including title, authors, affiliations, e-mail address, keywords, abstracts, and other objects such as figures, tables and references.
- Final camera-ready papers must be submitted by the deadline if the abstract has been accepted. Details of the full paper requirements can be found on the Forum official website: <http://www.itsap-fukuoka.jp/>.
- At least one of authors has to register by the deadline and make a presentation at the Forum. Otherwise, the paper will not be included in the Forum proceedings.
- Please submit abstracts and final papers through EasyChair of the following URL: <https://easychair.org/conferences/?conf=itsapfukuoka2018>

Topics of Interests

A) Safe and secure society

- A.1 Cyber security and privacy
- A.2 Privacy protection
- A.3 Pedestrian/Vehicle flow/congestion management at big events such as Olympic, Summit, and Festival.
- A.4 Public transport operation management at big events
- A.5 Demand and security management at big events
- A.6 Driver monitoring system, driver factors, driver distraction
- A.7 Driver physical condition management
- A.8 Balance between driver's security and privacy
- A.9 Hazard detection, validation and reporting
- A.10 Hazardous material tracking and secure cargo management
- A.11 Incident management and supporting infrastructure
- A.12 Disaster management, accident management
- A.13 Vulnerable road users (elderly people, foreign travelers) support
- A.14 More livable cities
- A.15 Intelligence-based enforcement

B) Smart mobility

- B.1 Ubiquitous and pervasive sensing
- B.2 Mobile sensing and data collection/analysis/mining
- B.3 Traffic IC card/ traffic-related cashless payment systems
- B.4 Weather monitoring, data analysis and information dissemination
- B.5 Smart mobility using VR (Virtual Reality), AR (Augmentation Reality), and 3D mapping technologies
- B.6 Intermodal freight services
- B.7 Vehicle tracking and passenger information system
- B.8 Multimodal journey planners and traveler information services
- B.9 Implementation of demand-responsive transport, Travel demand management
- B.10 Multi-modal planning and implementation
- B.11 Smart parking management
- B.12 On-demand public transport
- B.13 Recommendation for smart mobility
- B.14 AI technologies for smart mobility

Important dates

- 20 November 2017 Deadline for abstract submission
- 18 December 2017 Notification of acceptance
- 5 February 2018 Full paper / poster submission
- 8 May to 10 May 2018 ITS AP Forum in Fukuoka

C) Next generation mobility

- C.1 Automated driving, automated vehicle
- C.2 Standards for automated and connected vehicles.
- C.3 Next-generation public transportation
- C.4 Next-generation fuel vehicles
- C.5 Ambient Intelligence-based mobility
- C.6 New communication technologies and applications such as V2X (Vehicle to Everything)
- C.7 New approaches to urban traffic management
- C.8 New transport-related payment systems
- C.9 New mobility applications for business and travelers
- C.10 Demand management, tolling and congestion management
- C.11 Dynamic traffic adaptation
- C.12 Mobility as a Service (MaaS), Mobility on Demand (MoD)

D) Infrastructure technologies for practical ITS

- D.1 Traffic management
- D.2 Digital infrastructure
- D.3 Real-time infrastructure communications
- D.4 5G enabled connected vehicles
- D.5 Deployment of infrastructure
- D.6 Infrastructure to support the proliferation of ITS
- D.7 Modeling and simulation of vehicle infrastructure integration
- D.8 Transportation in a digital city
- D.9 Implementation of e-call, enabling technologies and supporting infrastructure
- D.10 Integrated payment systems and fee collection technologies
- D.11 Integrated, multi-modal ticketing and open architecture payment systems
- D.12 Integrating transport, energy, telecoms, waste and water systems
- D.13 Electric or next generation fuel vehicle charging infrastructure, EV or fuel charge point reservation and management systems
- D.14 Use of cooperative ITS for energy efficiency

E) Development of human resource and education

- E.1 Fostering ICT (Information Communication Technology) researchers and developers
- E.2 ICT education
- E.3 Traffic education
- E.4 Driver support program for public transport drivers, young and elderly people
- E.5 Cooperation with elementary and secondary education
- E.6 Idea/Hacking-marathon: design and evaluation

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