



Metropolitan Transportation  
Infrastructure In Smart Cities

# CALL FOR PAPERS

**15<sup>TH</sup> ITS ASIA-PACIFIC FORUM**

26-29 June 2017

Hong Kong Science Park, Shatin  
Hong Kong SAR, China

<http://www.ITSAP2017.com>



Organized by Intelligent Transportation Systems - Hong Kong  
<http://www.itshk.org>

CALL FOR PAPERS • OPEN 8 AUGUST 2016 • DEADLINE 28 FEBRUARY 2017

## INTRODUCTION

Intelligent Transportation Systems-Hong Kong (ITSHK) and the ITS Asia-Pacific Forum organizing committee extend a warm invitation to local, regional and worldwide specialists, experts and government officials in the transportation and smart city sectors to join the upcoming 15<sup>th</sup> ITS Asia-Pacific Forum in Hong Kong SAR, China from 26 to 29 June 2017.

Billions of dollars continue to be invested in new and enhanced transportation infrastructure to make our urban environment smarter, liveable and more sustainable in response to the pressures of growing urbanisation, regional development and drivers of national competitiveness. The Hong Kong SAR government has long demonstrated its commitment through investments in mega transport infrastructure projects to enable closer integration within the Pearl River Delta region. Under the theme "Metropolitan Transportation Infrastructure in Smart Cities", this event provides a unique platform to share application experience, get to grips with the latest innovations in the policies and technologies that underpin urban mobility, and to explore collaboration opportunities. We invite you to participate in this extraordinary event and to join us in celebrating the 20th anniversary of the Hong Kong Special Administrative Region Establishment Day on 1 July 2017.

## WHY JOIN ITS-AP 2017?

- ✔ A unique platform for sharing experiences, seeing the latest technologies and exploring collaboration opportunities.
- ✔ Multiple sessions including forum, exhibitions, executive & end-users networking, technical visits and workshops.
- ✔ Opportunity for you to connect to potential buyers, partners, investors and developers that are rooted in the ITS policy and market areas.
- ✔ Located in Hong Kong – a strategic location at the heart of the world's fastest growing regional economy, and home to best-in-class road, rail and urban infrastructure.

## Call for Papers

### CALL FOR PAPERS

The 15<sup>th</sup> ITS Asia-Pacific Forum will address the seven critical issues and challenges in the following areas, mobility, integration, communication & sensors, innovation, environment, safety & security and standard & regulation, toward the development of metropolitan transportation infrastructure for smart cities.

You are invited to join and participate in our discussion by submitting a paper for consideration by the technical committee. For more information regarding the paper presentation, poster presentation and abstract submission process, please refer to the rules and guidelines at the Forum official website.

<http://www.ITSAP2017.com>

### SUBMISSION

- All papers should present original research and development that has not been published elsewhere.
- English is the official language of the Forum and therefore, all abstracts, posters and full papers received must be written in English. Papers in other languages may be accepted with the prior approval of the technical committee. Please enquire to the Conference Secretariat at [itshk@pctourshk.com](mailto:itshk@pctourshk.com).
- The abstract should be no less than 150 words, should not exceed 300 words and should clearly identify one of the relevant subthemes overleaf, and the applicable category(ies) within.
- Full papers must be submitted if the abstracts have been accepted. Details of the full paper requirements can be found in the Forum official website.
- Please submit papers to Conference Secretariat at [itshk@pctourshk.com](mailto:itshk@pctourshk.com)

### IMPORTANT DATES

8 August 2016	Announcement / Call for abstract paper or poster presentation
28 February 2017	Deadline for abstract submission
End of March	Notification of acceptance for paper / poster presentation
31 May 2017	Full paper / poster submission

The 15<sup>th</sup> ITS Asia-Pacific Forum will consist of multiple streams, including plenary, executive, technical and workshops. There is plenty of exhibition space for partners and vendors to demonstrate their latest technologies, products and services to an international audience from the public and private sector.

The theme of the Forum is "Metropolitan Transportation Infrastructure for Smart Cities" and 7 sub-themes have been selected:

## Mobility

## Integration

## Communication & Sensors

## Innovation

## Environment

## Safety & Security

## Policy, Standards & Regulation

### 1. Mobility

- 1.1 Multimodal journey planners and traveller information services
- 1.2 Public transport operations
- 1.3 Implementation of demand-responsive transport
- 1.4 Mobility as a Service (MaaS), including implementation and business models
- 1.5 New transport-related payment systems
- 1.6 Integrated, multi-modal ticketing and open architecture payment systems
- 1.7 Mobility management and new business models
- 1.8 Multi-modal planning and implementation
- 1.9 Intermodal freight services

### 2. Integration

- 2.1 Towards an integrated, multi-modal transport future
- 2.2 Roadmaps: from unconnected to automated vehicles
- 2.3 Incident management and supporting infrastructure
- 2.4 Road space management for freight and passengers
- 2.5 Infrastructure aspects: electro-mobility and low impact traffic management
- 2.6 Managing city space for business and people
- 2.7 Travel Demand Management, including Electronic Road Pricing (ERP) and complementary measures
- 2.8 Cross-border applications, including pre-clearance and screening
- 2.9 Electric Vehicle charging infrastructure
- 2.10 Transport for liveable cities

### 3. Communication & Sensors

- 3.1 The Connected Vehicle, incl. implementation
- 3.2 New communication technologies and applications, incl V2X
- 3.3 In-vehicle integration and telematics
- 3.4 Data sharing and dissemination
- 3.5 Mobile positioning and Global Navigation Satellite Systems (GNSS) for mobility
- 3.6 Mobile sensing and data collection
- 3.7 Ubiquitous and pervasive sensing

### 4. Innovation

- 4.1 New approaches to urban traffic management
- 4.2 Open data for service integration
- 4.3 New mobility apps for business and travellers
- 4.4 Smart parking management
- 4.5 Vehicle tracking and passenger information systems
- 4.6 Data management, fusion, analytics and visualisation
- 4.7 EV charge point reservation and management systems
- 4.8 Funding and business models

### 5. Environment

- 5.1 Use of cooperative ITS for energy efficiency
- 5.2 Earth observation techniques and environmental protection
- 5.3 Air quality strategies, including low emission zones and low emission strategies
- 5.4 From emissions reduction to air quality improvements, modelling and visualisation
- 5.5 Noise reduction strategies
- 5.6 Vehicle aspects: electric or alternative fuel vehicles
- 5.7 Towards low carbon travel, including road space allocation

### 6. Safety & Security

- 6.1 Hazard detection, validation and reporting
- 6.2 Intelligence-based enforcement
- 6.3 Driver factors / driver distraction
- 6.4 Hazardous material (HazMat) tracking and secure cargo management
- 6.5 Driver monitoring systems
- 6.6 Implementation of e-call, enabling technologies and supporting infrastructure
- 6.7 Weather monitoring, data analysis and information dissemination

### 7. Policy, Standards & Regulation

- 7.1 Transport policy and strategy
- 7.2 Legal and Institutional Issues
- 7.3 Standards, interoperability and architectures
- 7.4 Open data, privacy and security
- 7.5 Implementing Mobility as a Service: regulation or deregulation?
- 7.6 Regulations for advanced driver assistance systems and autonomous vehicles
- 7.7 Developments in regulations for enforcement
- 7.8 Car and trip sharing

The Hong Kong Science Park is located in Shatin adjacent to the magnificent Tolo Harbour waterfront. Both indoor and outdoor facilities are suitable for international and regional exhibition and conferences. The Science Park campus contains one of the region's most active and successful technology incubation programmes - as demonstrated by the continued expansion of this knowledge-based community, and its sustained attractiveness for small and medium enterprises as a springboard for their international design, marketing and sales activities. The Science Park is well connected by public transport, and is also served by nearby Shatin MTR station.

## Registration

### ONLINE REGISTRATION

Click to <http://www.ITSAP2017.com> for online registration

### OFFLINE REGISTRATION

Download the registration form in PDF format

(Please complete and fax to 852-2367 3375 or email to [itshk@pctourshk.com](mailto:itshk@pctourshk.com))

### REGISTRATION FEE

#### Early Bird (On or before 28 Feb 2017)

Delegate – HK\$3,900/US\$500

Speaker / Moderator – HK\$3,500/US\$450

#### Regular (From 1 Mar 2017)(including on-site registration)

Delegate – HK\$5,000/US\$650

Speaker / Moderator – HK\$3,500/US\$450

For further information, please contact:

#### Conference Secretariat (c/o PC Tours and Travel)

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