



# SINGAPORE 2019

26<sup>th</sup> ITS World Congress  
21-25 October

**Smart Mobility,  
Empowering Cities**

Land Transport Authority  
We Keep Your World *Moving*

ITS  
Singapore

Organised by:



Co-hosted by:



Supported by:



Held in:



# Programme

## Congress Highlights



**10,000+**  
participants



**300+**  
exhibitors



**5**  
days of  
programme



**20+**  
technical tours and  
demonstrations



**2**  
days of public  
exhibition

SMART MOBILITY,  
EMPOWERING CITIES

## Venue

# Suntec Singapore Convention & Exhibition Centre

The World's  
Leading Meetings &  
Conference Centre



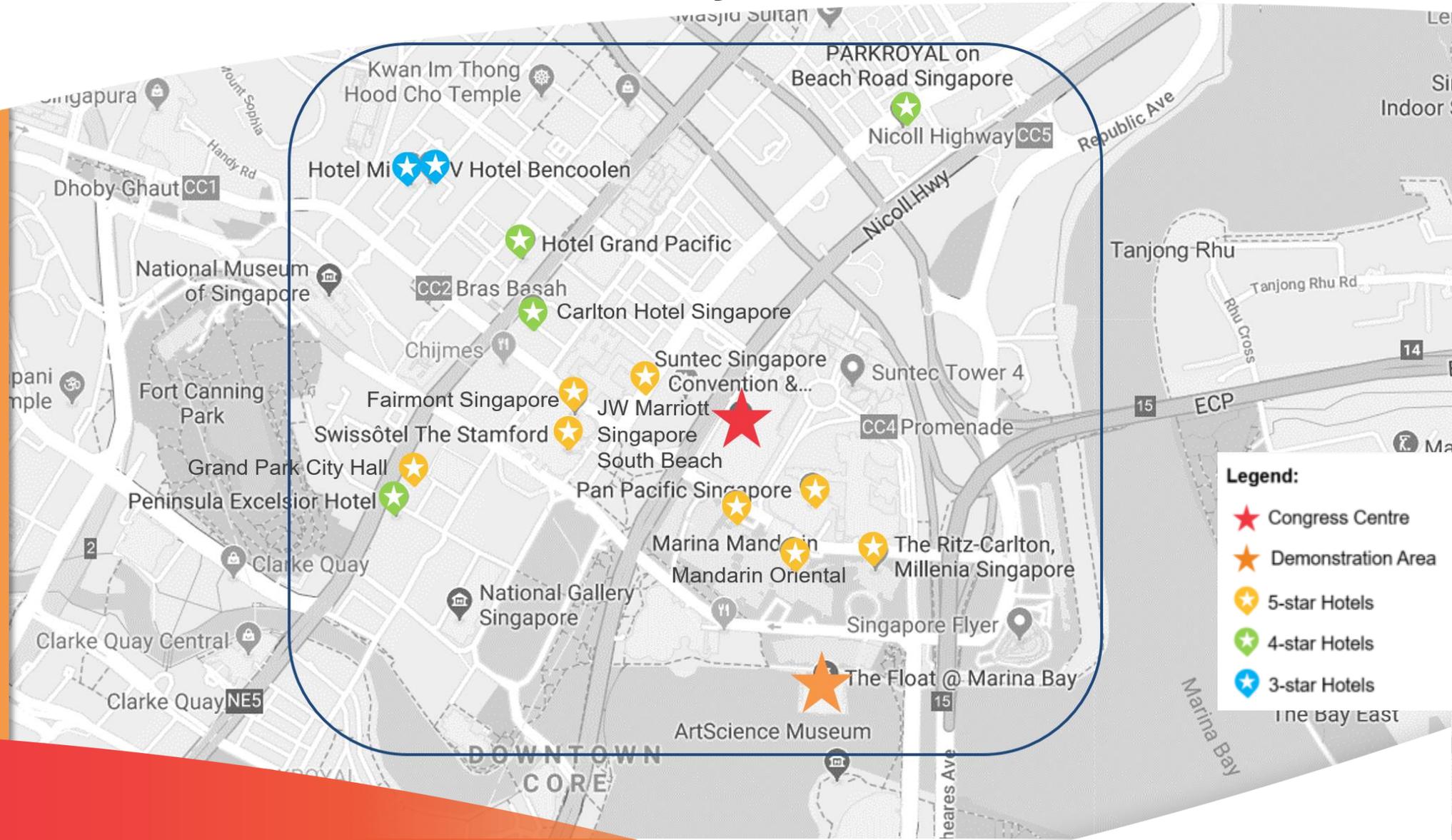
Suntec  
SINGAPORE  
Convention & Exhibition Centre

- 42,000m<sup>2</sup> of flexible customisable space
- Free WiFi
- Digital signage
- An excellent range of culinary choices
- A dedicated team of service experts
- Our award-winning facility can cater to events from 10 to 10,000 persons.

# 26<sup>th</sup> World Congress on Intelligent Transport Systems

## Where to Stay

Preferential rates at 14 Congress Hotels within close proximity to the Congress Centre



SINGAPORE



**Official Airline**  
**Fly with Singapore Airlines**

**Unlock exclusive special fares when you fly with Singapore Airlines.**

Booking link available from **April 2019**



**SMART MOBILITY,  
EMPOWERING CITIES**

# Programme Main Themes



**Intelligent, Connected  
& Automated Vehicles**



**Crowdsourcing &  
Big Data Analytics**



**Cybersecurity  
& Data Privacy**



**Multimodal Transport  
of People & Goods**



**Policies, Standards  
& Harmonisation**



**Safety for Drivers &  
Vulnerable Users**



**Innovative Pricing & Travel  
Demand Management**



**Sustainable  
Smart Cities**



**SMART MOBILITY,  
EMPOWERING CITIES**

# Programme Schedule at a Glance

		EXHIBITION OPEN TO THE PUBLIC					
		SUN 20 Oct 2019	MONDAY 21 Oct 2019	TUESDAY 22 Oct 2019	WEDNESDAY 23 Oct 2019	THURSDAY 24 Oct 2019	FRIDAY 25 Oct 2019
0700 - 0730							
0730 - 0800							
0800 - 0830							
0830 - 0900							
0900 - 0930							
0930 - 1000							
1000 - 1030							
1030 - 1100							
1100 - 1130							
1130 - 1200							
1200 - 1230							
1230 - 1300							
1300 - 1330							
1330 - 1400							
1400 - 1430							
1430 - 1500							
1500 - 1530							
1530 - 1600							
1600 - 1630							
1630 - 1700							
1700 - 1730							
1730 - 1800							
1800 - 1830							
1830 - 1900							
1900 - 1930							
1930 - 2000							
2000 - 2030							
2030 - 2100							
2100 - 2130							
2130 - 2200							

# Programme Paper Submission

Launch: 1 October 2018  
Submission deadline: 9 January 2019  
Extended deadline: 22 January 2019



Total papers submitted 640  
Total SIS submitted 148

Region	Paper Submissions			SIS Proposals
	Technical	Scientific	Commercial	
Asia Pacific	257	91	30	48
Americas	34	17	5	45
EMEA	128	40	38	55
<b>Total</b>	<b>419</b>	<b>148</b>	<b>73</b>	<b>148</b>

\*After IET editors' review: 510 Technical Papers & 57 Scientific Papers

Over 40  
Countries

## Programme

# Paper & SIS Proposal Submission by Region

### AMERICAS

1. Canada
2. USA\*

### OTHERS

1. Nigeria
2. South Africa
3. UAE

### EUROPE

1. Austria
2. Belgium
3. Czech Republic
4. Denmark
5. Estonia
6. Finland
7. France
8. Germany
9. Greece
10. Hungary
11. Italy
12. Luxembourg
13. Norway
14. Romania
15. Russia
16. Serbia
17. Slovenia
18. Spain
19. Sweden
20. Switzerland
21. The Netherlands
22. Turkey
23. UK

### ASIA PACIFIC

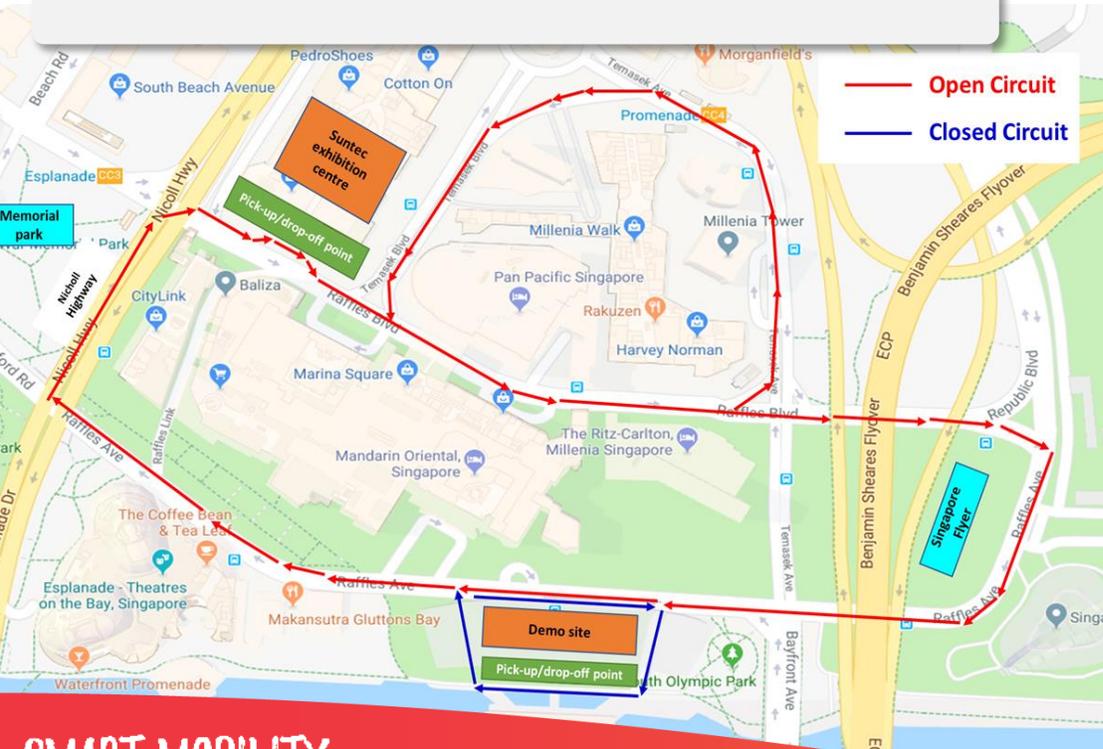
1. Australia\*
2. China\*
3. Chinese Taipei
4. Hong Kong
5. India
6. Indonesia
7. Japan\*
8. Korea
9. Macau
10. Malaysia
11. New Zealand
12. Philippines
13. Singapore\*
14. Thailand

# Programme

## Technology Demonstrations

### Venue

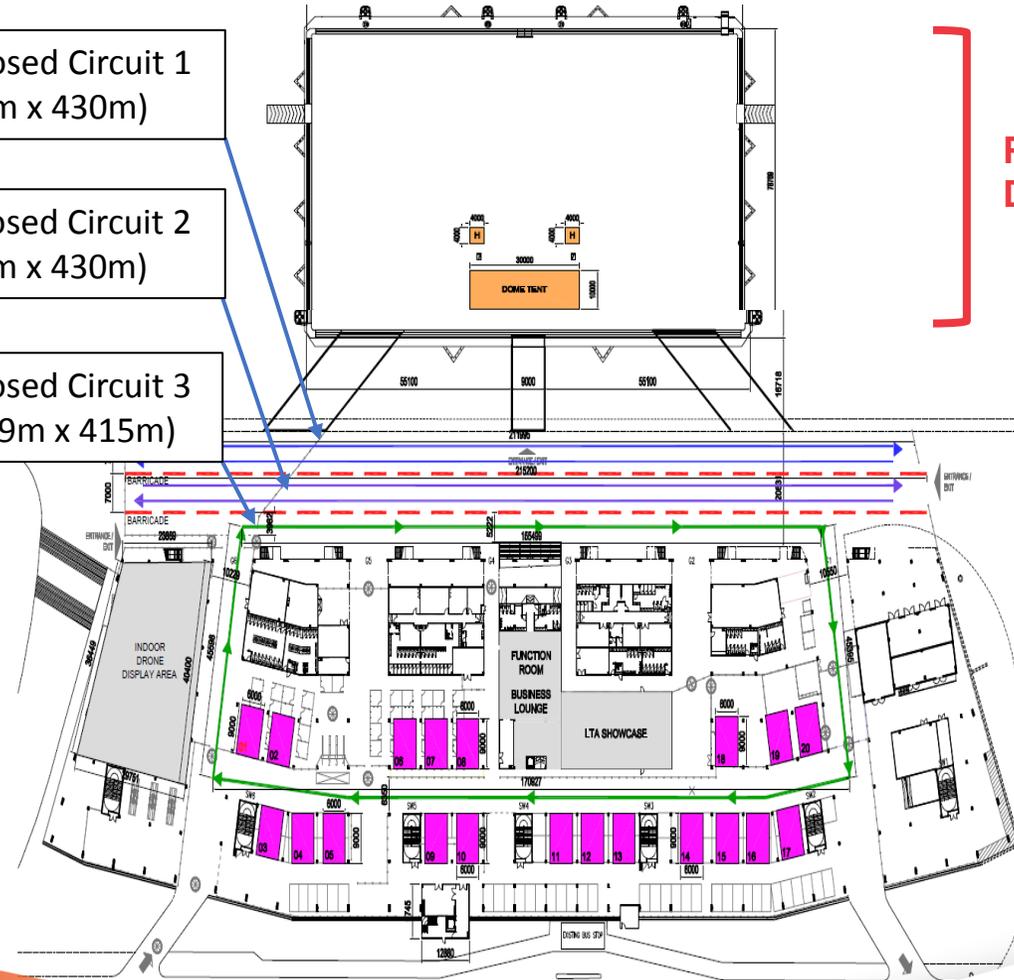
#### The Float @ Marina Bay



Closed Circuit 1  
(7m x 430m)

Closed Circuit 2  
(7m x 430m)

Closed Circuit 3  
(5.9m x 415m)



Proposed  
Drone Display Area

Closed Circuit  
Routes

Static Demo  
Displays  
(below seating  
gallery)

# Programme Technical Tours

Land



Sea



Air



Offshore



SMART MOBILITY,  
EMPOWERING CITIES

# Programme

## Local Technical Tour Partners



# Programme

## Local Technical Tour Partners

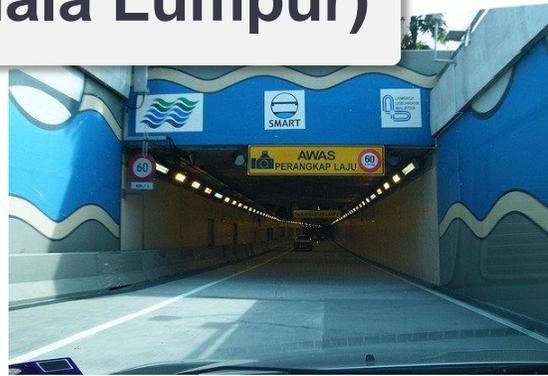
#	Technical Tour Partner
1	<b>Land Transport Authority</b> <ul style="list-style-type: none"> <li>- Intelligent Transport System Centre Operations Control Centre</li> <li>- Singapore Mobility Gallery</li> </ul>
2	<b>ComfortDelgro – SBS Transit</b> <ul style="list-style-type: none"> <li>- Ulu Pandan Bus Depot</li> <li>- Bus Technical Specialist Certification Centre (BTSCC)</li> </ul>
3	<b>ComfortDelgro – Taxi Fleet</b> <ul style="list-style-type: none"> <li>- Taxi Recruitment Centre</li> <li>- Taxi Maintenance Workshop</li> </ul>
4	<b>Nanyang Technological University – CETRAN</b> <ul style="list-style-type: none"> <li>- CETRAN AV Test Centre</li> </ul>
5	<b>Urban Redevelopment Authority</b> <ul style="list-style-type: none"> <li>- Urban planning in Singapore through the use of digital planning tools</li> </ul>

#	Technical Tour Partner
6	<b>Tower Transit Singapore Pte Ltd</b> <ul style="list-style-type: none"> <li>- Digital transformation for bus operations</li> </ul>
7	<b>PSA Singapore</b> <ul style="list-style-type: none"> <li>- Overview of PSA port at PSA Building</li> <li>- Automated Crane Operations Centre</li> <li>- PSA Living Lab</li> <li>- Pasir Panjang Terminal Tour</li> </ul>
8	<b>Maritime and Port Authority of Singapore</b> <ul style="list-style-type: none"> <li>- Maritime Gallery</li> </ul>
9	<b>SMRT Corporations</b> <ul style="list-style-type: none"> <li>- Kim Chuan Depot</li> </ul>
10	<b>IBM Studio</b> <ul style="list-style-type: none"> <li>- IBM Design Thinking Studio</li> <li>- Blockchain in the transport space, IoT applications and AI</li> <li>- IBM Research Lab</li> </ul>

# Programme Offshore Technical Tours



**Malaysia  
(Melaka – Kuala Lumpur)**



**Indonesia  
(Jakarta – Bali)**



**SMART MOBILITY,  
EMPOWERING CITIES**

# Programme

## Youth Leadership Programme

### PROPOSED 9-DAY SINGAPORE PROGRAMME



2 fully sponsored youth leaders from each ITSAP member/ invited ASEAN member countries.



Immersion into entrepreneurship and industry.



Facilitated Workathon to yield Grand Challenge papers that will be presented at ITSWC 2019 Special Interest Sessions.



Winners will be awarded at the Closing ceremony and top prize will be prestigious – fully sponsored internship programme in Singapore

# Programme

## Youth Leadership Programme



### ELIGIBILITY CRITERIA

- Full-time undergraduate or postgraduate student, aged between 18 – 25 years old at time of submission
- Studying in any of the following countries/ areas: Australia, China, Chinese-Taipei, Hong Kong SAR, Indonesia, Japan, Korea, Malaysia, New Zealand, Singapore, Thailand (up to 2 students per country/area)
- Majoring in fields such as business management, information technology, information systems, and engineering
- Be able to commit to and attend the entire 8-day programme, from 18 – 25 October 2019
- Submit application by completing the application form, and writing a short essay on the motivation to participate in the Youth Leadership Development Programme.

# YLDP Application Status

Target
Total Participants: <b>64</b>
From ITS AP: <b>32</b>
From Non-ITS AP: <b>32</b>

Current
Total : 18
From ITS AP: 18
From Non-ITS AP: ___
Special Invitations: ___

ITS AP Members	Applications Received	Applications Confirmed
Australia	2	
China	2	
Chinese-Taipei		
Hong Kong SAR	2	
Indonesia		
Japan	2	
Korea		
Malaysia		
New Zealand	2	
Singapore	8	
Thailand		
<b>Total Count</b>	<b>18</b>	

Non-ITS AP Members	Reached out?	Applications Received	Applications Confirmed
Brunei	Y		
Cambodia	Y		
India			
Laos	Y		
Myanmar	Y		
Philippines	Y		
Vietnam	Y		
<b>Total Count</b>			

Special Invitations	Applications Received	Applications Confirmed
USA		
Hamburg		
<b>Total Count</b>		

# Programme

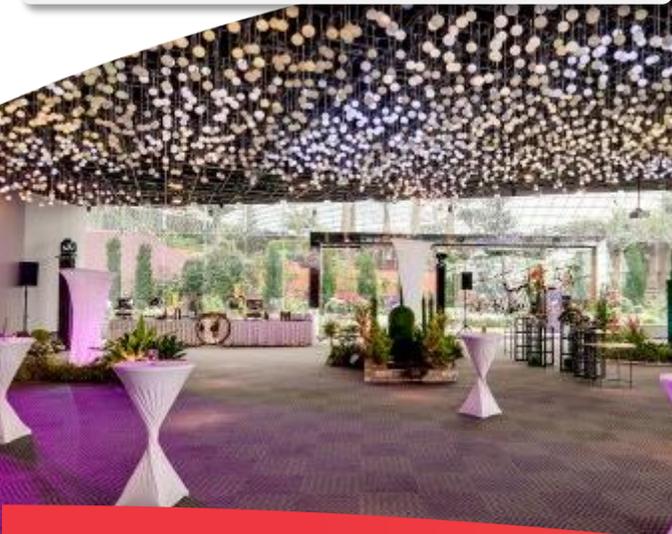
## Youth Leadership Programme

	17 Oct 2019 (Thursday)	18 Oct 2019 (Friday)	19 Oct 2019 (Saturday)	20 Oct 2019 (Sunday)	21 Oct 2019 (Monday)	22 Oct 2019 (Tuesday)	23 Oct 2019 (Wednesday)	24 Oct 2019 (Thursday)	25 Oct 2019 (Friday)			
0800												
0830												
0900		Introduction Session	Design Thinking Workshops		Facilitated Ideation Preparation Session			Special Interest Session (SIS) – All Teams to Present	Visit Exhibition			
0930		Onsite Presentations										
1000												
1030												
1100												
1130												
1200	PM Arrivals			Free Day / ITS Event Participation	---	Facilitated Grand Challenge Ideation	Facilitated Grand Challenge Ideation		Visit Exhibition			
1230												
1300												
1330												
1400												
1430												
1500												
1530												
1600												
1630												
1700												
1730												
1800												
1830												
1900												
1930												
2000												
2030												
2100												
2130												
	Dinner	Dinner	Dinner		Invitation to Opening Ceremony			Dinner / Networking Event	Awards Ceremony			

Immersion Programme	Grand Challenge Ideation	ITS WC Participation	To Be Confirmed Segments	SIS & Awards Ceremony
---------------------	--------------------------	----------------------	--------------------------	-----------------------

# Programme Social Events

**Gala Dinner**  
Gardens by the Bay



**VIP Dinner**  
National Gallery



**Accompanying Persons Programme**  
Sightseeing, Arts & Culture



SMART MOBILITY,  
EMPOWERING CITIES

## Premier Partners



## Major Partners



## Supporting Partners



## General Partners

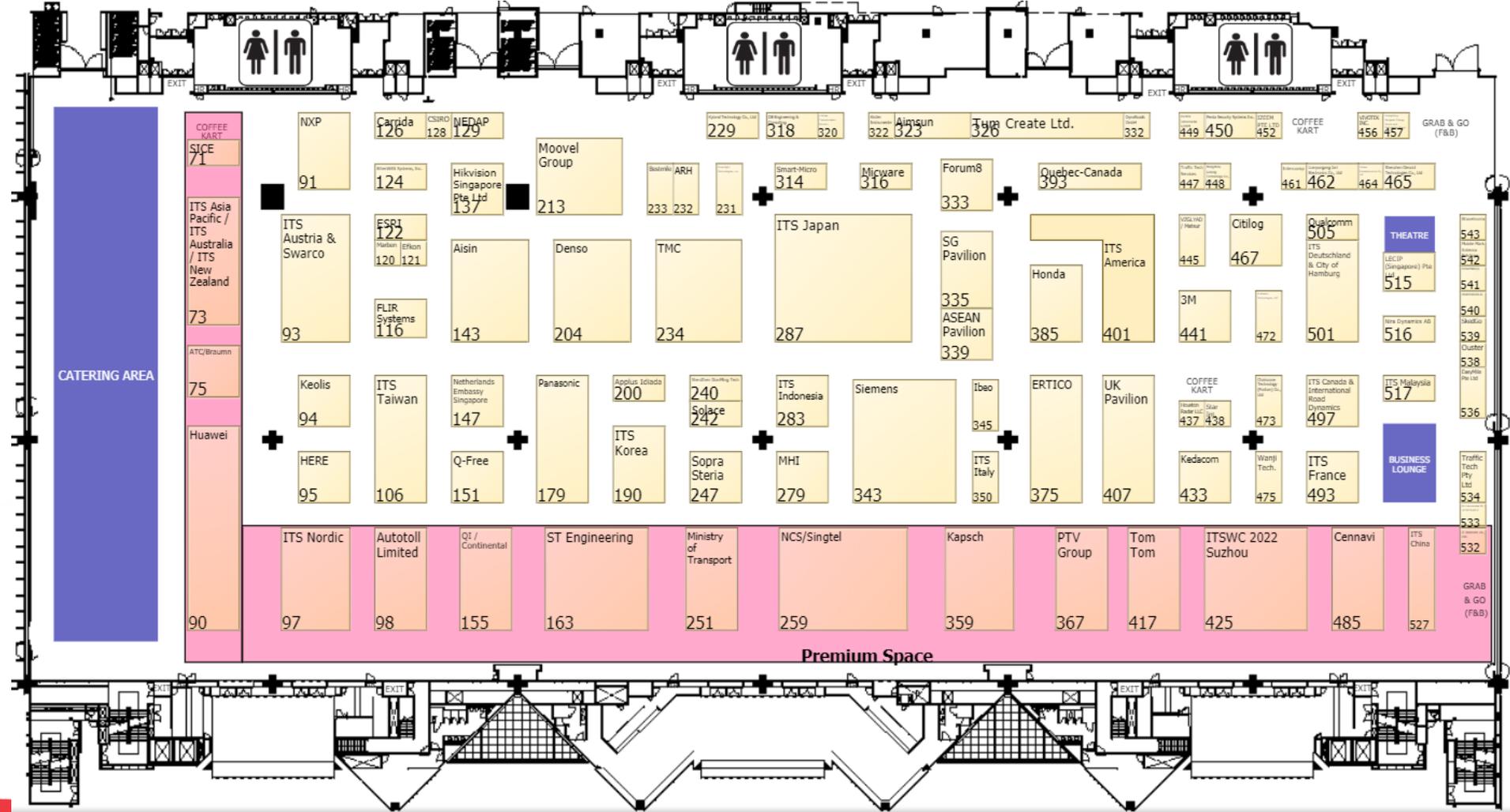


## Other Partners



**SOLD OUT**

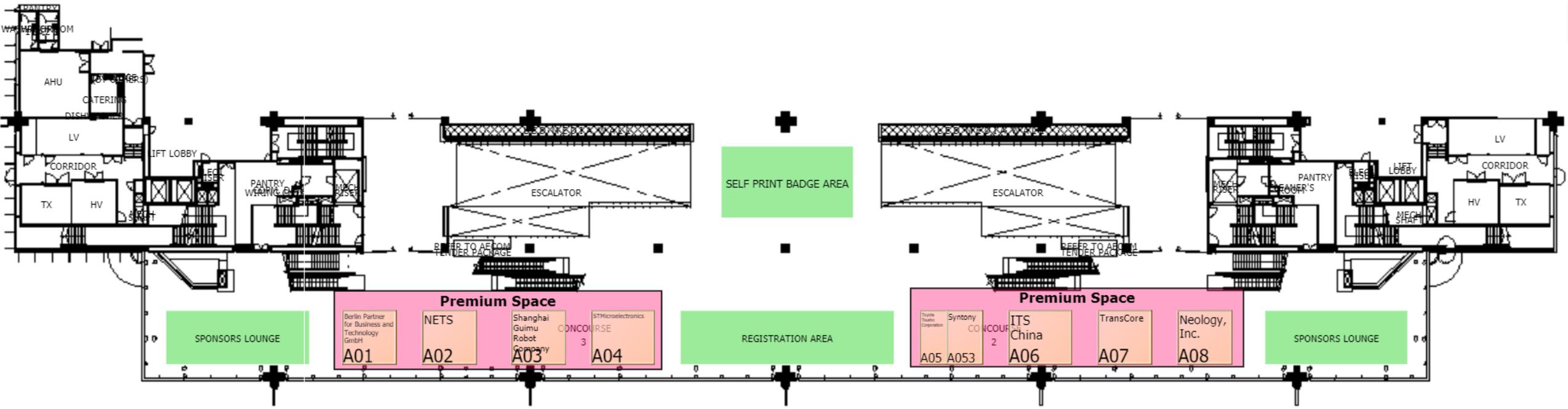
# How can you be a part of ITSWC2019? Exhibitor Opportunities – Level 4



**SMART MOBILITY,  
EMPOWERING CITIES**

**SOLD OUT**

# How can you be a part of ITSWC2019? Exhibitor Opportunities – Level 3



**SMART MOBILITY,  
EMPOWERING CITIES**

## How can you be a part of ITSWC2019?

# Registration Categories and Rates

Registration Category	Early Bird (1 Apr – 19 Aug)	Standard (20 Aug – 13 Sep)	Late (from 14 Sep)
<b>Full Congress Pass</b>			
Congress Delegate	\$1,795	\$1,995	\$2,195
Developing Countries	\$1,250	\$1,350	\$1,450
Speaker / Moderator	Flat rate of \$1,450		
Student	\$450	\$500	\$550
<b>One Day Pass</b>			
One Day Delegate	\$1,000	\$1,100	\$1,200
One Day Speaker / Moderator	Flat rate of \$870		
One Day Student	\$150	\$175	\$190

## How can you be a part of ITSWC2019?

# Registration Categories and Rates

Registration Category	Early Bird (1 Apr – 19 Aug)	Standard (20 Aug – 13 Sep)	Late (from 14 Sep)
<b>Exhibition Pass</b>			
Exhibition Stand Personnel (Inclusive of Lunch)	Flat rate of \$350		
Trade Visitors (Days 1 – 3)	No charge		
Public Day Visitors (Day 4 & 5)	No charge		
Accompanying Person (Access to Exhibition Only)	No charge		

Add-On Category	Location	Rate
Gala Dinner (23 Oct, 6.30pm)	Flower Field Hall, Gardens by the Bay	\$280
All Technical Tours (22 – 25 Oct)	Various Locations	\$70

# Be a part of ITSWC2019

## Key Dates to Remember



**19 – 21 MAR 2019**

IPC meeting in Singapore



**22 MAR 2019**

Application Deadline for Youth Leadership Development Programme



**1 APR 2019**

Launch: Delegate Registration



**1 APR 2019**

Notification to Paper Authors



**19 AUG 2019**

Deadline: Early bird Registration

# Marketing Global Ambassadors



Mr Russell Shields  
USA



Dr Steve Dellenback  
USA



Mr Randy Iwasaki  
USA



Mr Tom Kern  
USA



Mr Joseph Lam  
Canada

Ms Janneke van der Zee  
Canada



Prof Risto Kulmala  
Finland



Mr Christer Karlsson  
Sweden



Mr Eric Sampson  
UK



Mr Richard Harris  
UK



Prof Phil Blythe  
UK



Mr Hermann Meyer  
Germany



Dr Olga Landolfi  
Italy



Prof Wang Xiaojing  
China



Dr Sorawit Narupiti  
Thailand



Datuk Dr Leong Siew Mun  
Malaysia



Dr Elly Sinaga  
Indonesia



Mr Brian Negus  
Australia



Mr Dean Zabrieszach  
Australia



Mr Hajime Amano  
Japan



Dr Moon Young-Jun  
Korea



Dr Jason Chang  
Chinese Taipei



Mr Charles So  
Hong Kong SAR



Mr Mohammed Hikmet  
New Zealand

## How you can support ITSWC 2019?

# 5 Ways to Contribute to the Success of ITSWC 2019

1



### REGISTRATION

Organise delegate and trade visitor groups from your local ITS Associations and Companies

2



### DEMONSTRATIONS

Connect us with potential demonstrators from your countries

3



### SPONSORSHIP

Connect us with potential sponsors for the Congress

4



### NEWS

Share your knowledge, expertise and views to help us generate greater media buzz around the Congress

5



### SOCIAL

Join the conversations online through social media and hashtag #ITSWC19

## Contact us

### Congress Secretariat

[info@itsworldcongress2019.com](mailto:info@itsworldcongress2019.com)

### Sponsorship and Exhibition Sales

[spex.sales@itsworldcongress2019.com](mailto:spex.sales@itsworldcongress2019.com)



Keep up with the latest news  
Scan QR Code to join mailing list

# Welcome TO SINGAPORE

[www.itsworldcongress2019.com](http://www.itsworldcongress2019.com)

Land Transport Authority  
We Keep Your World *Moving*

ITS  
Singapore

The background features three stylized trees with canopies composed of white, circuit-like lines. The trees are rendered in a light red color against a darker red background. The central tree is smaller than the two flanking trees. The overall aesthetic is modern and technological.

**Smart Mobility,  
Empowering Cities**