

13<sup>th</sup> International Conference of Eastern Asia Society for Transportation Studies (EASTS)



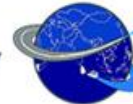
**EASTS 2019**  
SEPTEMBER 9 - 12 | COLOMBO | SRI LANKA



Organized By



Hosted By



**SLSTL**  
Sri Lanka Society of Transport and Logistics



# EASTS 2019

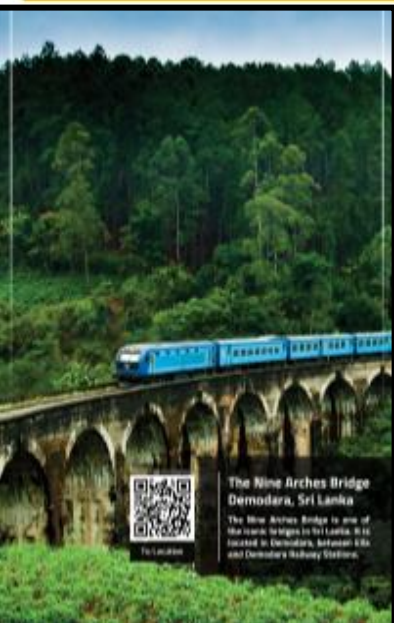


# EASTS 2019 Conference Completion Report

## Sri Lanka



# Sri Lanka



# EASTS and SLSTL

[www.slstl.lk/easts2019](http://www.slstl.lk/easts2019)



**EASTS 2019**  
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Founded in Japan in the year 1994 and currently enriched with representation from 19 countries, the Eastern Asia Society for Transportation Studies (EASTS) works with the objectives to foster and support excellence in transportation research and practice and to stimulate professional interchange in all aspects and modes of transportation.

Founded in 2014, the SLSTL aims to create a professional environment to discuss issues in transport and logistics and recommend sustainable solutions for improvement through research and development in collaboration with the transport and logistics industry. SLSTL represents Sri Lanka as the domestic member of EASTS.





# Bid to Host EASTS 2019

[www.slsltl.lk/easts2019](http://www.slsltl.lk/easts2019)



**EASTS 2019**  
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The Sri Lanka Society of Transport and Logistics, at the 12<sup>th</sup> International Conference of EASTS 2017 in Ho Chi Minh City, Vietnam Bid to Host the 13<sup>th</sup> International Conference of EASTS 2019 in Colombo, Sri Lanka and was Awarded.



# The Logo



**EASTS 2019**  
SEPTEMBER 9 - 12 | COLOMBO | SRI LANKA

*Blue, representing strength and dependability is the primary colour in both the SLSTL and the EASTS logos. Orange represents optimism, clarity and warmth, which also represents the nature of Sri Lankans and we warmly welcome the World to EASTS 2019. The Globe represents international representation of the conference. The peacock feathers represents the watchfulness, compassion, and goodwill of Sri Lanka. The Lotus Tower symbolize the majesty of the city of Colombo, as it stands tall as the tallest self-supported structure in South Asia.*



# The Theme



***13<sup>th</sup> International Conference of the  
Eastern Asia Society for Transportation Studies (EASTS)  
EASTS 2019***

***“Redesigning Transport & Logistics for the Rise of Asia”***

***Jointly Organized by the  
Sri Lanka Society of Transport and Logistics (SLSTL)***

***9<sup>th</sup> – 12<sup>th</sup> September 2019  
Waters Edge, Battaramulla, Sri Lanka***

# Branding

www.slstl.lk/easts2019

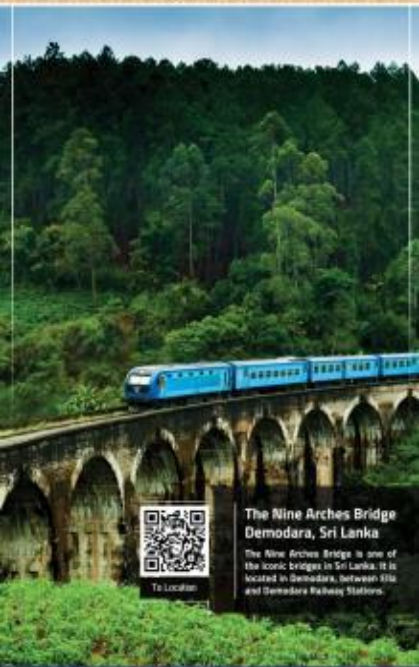


**EASTS 2019**  
SEPTEMBER 9 - 12 | COLOMBO | SRI LANKA



**Grand Ballroom**

ZONE 1 | Third Floor



**The Nine Arches Bridge**  
Demodara, Sri Lanka

The Nine Arches Bridge is one of the iconic bridges in Sri Lanka. It is located in Demodara, between 15th and Demodara Railway Stations.

www.slstl.lk/easts2019



**Falsetto**

ZONE 2 | Third Floor



**The Lotus Tower**

The Lotus Tower also referred to as Colombo Lotus Tower, is a tower of 350 m (1,150 ft), located in Colombo, Sri Lanka. When completed, the tower will be tallest self-supported structure in South Asia. The majestic tower is indeed visible from great distances especially in the morning hours.

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13<sup>th</sup> International Conference of Eastern Asia Society for Transportation Studies (EASTS)

**EASTS 2019**  
SEPTEMBER 9 - 12 | COLOMBO | SRI LANKA

We Cordially Invite

to the  
**Opening Ceremony**  
of the  
**13<sup>th</sup> International Conference of the Eastern Asia Society for Transportation Studies (EASTS)**

**EASTS 2019**  
"Redesigning Transport & Logistics for the Rise of Asia"

Jointly organized by the  
**Sri Lanka Society of Transport and Logistics (SLSTL)**

Graced by our Chief Guest  
**Dr. Indrajit Coomaraswamy, Governor, Central Bank of Sri Lanka**

on the  
**9<sup>th</sup> of September 2019**  
From 9.00 a.m. to 11.00 a.m.  
at the  
**Grand Ballroom**  
**Waters Edge, Battaramulla**

Confirmation To:  
**Ms. Maryse D' Costa | Event Manager, EASTS 2019**  
077 566 9579 | easts2019.lk@gmail.com

Dress Code: Business Attire

Organized By Hosted By **SLSTL**  
Sri Lanka Society of Transport and Logistics

Please carry this invitation for security purposes

13<sup>th</sup> International Conference of Eastern Asia Society for Transportation Studies (EASTS)

**EASTS 2019**  
SEPTEMBER 9 - 12 | COLOMBO | SRI LANKA

"Redesigning Transport & Logistics for the Rise of Asia"

NAME

Organized By Hosted By **SLSTL**  
Sri Lanka Society of Transport and Logistics

9<sup>th</sup> - 12<sup>th</sup> September 2019 | Waters Edge, Battaramulla

www.slstl.lk/easts2019

"Redesigning Transport & Logistics for the Rise of Asia"

NAME

Organized By Hosted By **SLSTL**  
Sri Lanka Society of Transport and Logistics

9<sup>th</sup> - 12<sup>th</sup> September 2019 | Waters Edge, Battaramulla

www.slstl.lk/easts2019

14<sup>th</sup> International Conference of EASTS

**RATLI 2019**  
Redesigning Transport & Logistics for the Rise of Asia

NAME

Organized By Hosted By **SLSTL**  
Sri Lanka Society of Transport and Logistics

10<sup>th</sup> September 2019 (Eq. 2 of EASTS 2019) | Waters Edge, Battaramulla

www.slstl.lk/easts2019





# Conference Organizing Committee

**Prof. Amal S. Kumarage**

*President - SLSTL  
2<sup>nd</sup> Vice President - EASTS  
Chair - EASTS 2019*

**Prof. T. L. Gunaruwan**

*Vice President (Editor) - SLSTL  
Chair (Editorial & R4TLI 2019) -  
EASTS 2019*

**Dr. T. Sivakumar**

*Vice President (Conference  
Chair) - SLSTL  
Chair (Publicity & Registration) -  
EASTS 2019*

**Prof. Lalith Edirisinghe**

*Vice President (Events) - SLSTL  
Chair (Venue & Event  
Management) - EASTS 2019*

**Dr. Pradeepa Jayaratne**

*Secretary - SLSTL  
Chair (Coordinating &  
Monitoring) - EASTS 2019*

**Eng. Nishal Samarasekera**

*Treasurer - SLSTL  
Vice Chair (Finance &  
Sponsorship) - EASTS 2019*

**Ms. Namalie Siyambalapitiya**

*Committee Member - SLSTL  
Chair (Finance & Sponsorship) -  
EASTS 2019*

**Dr. Tissa Liyanage**

*Committee Member - SLSTL  
Chair (Accommodation &  
Logistics) - EASTS 2019*

**Dr. Niranga Amarasingha**

*Committee Member - SLSTL*

**Ms. Uthpalee Hewage**

*Committee Member - SLSTL*

**Mr. Danushka Perera**

*Committee Member - SLSTL*

# Conference Working Committee

[www.slsl.lk/easts2019](http://www.slsl.lk/easts2019)



**EASTS 2019**  
SEPTEMBER 9 - 12 | COLOMBO | SRI LANKA







**EASTS 2019**  
SEPTEMBER 9 - 12 | COLOMBO | SRI LANKA



# National Advisory Committee (NAC)

Name	Designation	Organization
Mr. Sunil Hettiarachchi	Secretary	Ministry of Highways & Road Development and Petroleum Resources Development
Eng. S. M. D. L. Senarathna	Assistant Director - Engineering	Ministry of Highways & Road Development and Petroleum Resources Development
Eng. P. P. Jayasekara	Assistant Director - Engineering	Ministry of Highways & Road Development and Petroleum Resources Development
Prof. W. D. Lakshman	Chairman	Sri Lanka Association for Political Economy
Mr. Janak Ranaweera	Director (Development Planning) & (Research & Development)	Urban Development Authority
Mr. Gnanasiri Withanage	Head of Civil Engineering (Planning & Design)	Airport & Aviation Services (Sri Lanka) Limited
Mr. Dinesh de Silva	Member - CCC National Agenda Committee on Logistics & Transport	The Ceylon Chamber of Commerce
Mr. M. Shiham Marikar	Secretary General/Chief Executive Officer	National Chamber of Exporters of Sri Lanka
Mr. M. B. Kiriella	Vice President	Sri Lanka Economic Association
Dr. G. N. Samarasekara	Senior Lecturer - Faculty of Engineering	University of Sri Jayewardenepura
Dr. A. Anburuvel	Senior Lecturer - Department of Civil Engineering	University of Jaffna
Dr. Aruna Shantha	Former Co-Chair	Sri Lanka Forum of University Economists
Dr. Terrance M. Rengarasu	Senior Lecturer on Transportation and Highway Engineering, Department of Civil and Environmental Engineering, Faculty of Engineering	University of Ruhuna
Dr. A. G. H. J. Edirisinghe	Head - Civil Engineering	University of Peradeniya
Mr. Sujeewa Samaraweera	Past President - The National Chamber of Commerce of Sri Lanka	Federation of Chambers of Commerce and Industry of Sri Lanka
Mr. I. G. Perera	President	Institute of Supply and Materials Management
Mr. Niral Kadawatharatchie	Member	Chamber of Young Lankan Entrepreneurs
Mr. Tissa Ruberu	Assistant Secretary General	The National Chamber of Commerce of Sri Lanka
Ms. Shriani Rambukwella	Assistant Secretary General	The National Chamber of Commerce of Sri Lanka

# Conference Venue

## ***Waters Edge***

Poised on the edge of serene water ways and framed by luscious green pastures dovetailed with pools filled with exotic water lilies, “Waters Edge” elucidates a picturesque tranquility in the capital of Sri Lanka. Situated in a quaint location the hotel proposes various islets of beauty, comfort and wellness, offering its guests a spacious state of the art fitness center, a large pool to relax with family and friends and a plush spa specializing in a total rejuvenation for mind, body and soul, making it a perfect getaway for guests.

[www.watersedge.lk/](http://www.watersedge.lk/)





# Venue Layout



## Venues

Grand Ballroom

Albatross

Eagle

Olu

Nelum

Manel

View

Falsetto

Link

Lotus

WiFi was provided at all venues for the duration of the entire conference by the hotel



# Welcome & Registrations

[www.slstl.lk/easts2019](http://www.slstl.lk/easts2019)



**EASTS 2019**  
SEPTEMBER 9 - 12 | COLOMBO | SRI LANKA



*A Traditional Sri Lankan Welcome by Kandyan Dancers and Drummers*





# Participation



International Participants	No.
Regular Member	231
Non-Regular Member (from EASTS Countries)	20
Outside EASTS Countries	14
Student	146
Accompanying Person	31
<b>Total</b>	<b>442</b>
Sri Lankan Participants	No.
SLSTL Member (12+9)	21
Non-SLSTL Member (4+9)	13
Student (35+5)	40
<b>Total</b>	<b>74</b>

Country Representations		
Australia - 6	Korea - 32	Singapore - 3
Bangladesh - 9	Lao People's Democratic Republic - 2	Spain - 1
Bhutan - 1	Malaysia - 6	Sri Lanka - 75
Cambodia - 3	Mongolia - 10	Taiwan - 18
China - 13	Myanmar - 8	Thailand - 9
Germany - 1	New Zealand - 1	Uganda - 1
Hong Kong - 2	Nepal - 6	United Kingdom - 4
India - 62	Oman - 1	United States - 1
Indonesia - 22	Philippines - 38	Vietnam - 17
Japan - 167	Russian Federation - 1	
<b>Invitees - 30</b> <b>Sponsor - 3</b> <b>Total Participants - 549</b>		

# Opening Ceremony

[www.slsl.lk/easts2019](http://www.slsl.lk/easts2019)



**EASTS 2019**  
SEPTEMBER 9 - 12 | COLOMBO | SRI LANKA





# Opening Ceremony Agenda



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**EASTS 2019**  
SEPTEMBER 9 - 12 | COLOMBO | SRI LANKA



## EASTS 2019

### AGENDA - Opening Ceremony

8.00 a.m. - 9.00 a.m.	Registration
9.00 a.m. - 9.15 a.m.	Arrival of Chief Guest, Guest of Honour and Other Guests Traditional Lighting of the Oil Lamp
9.15 a.m. - 9.20 a.m.	National Anthem
9.20 a.m. - 9.30 a.m.	Welcome Address (SLSTL) <b>Eng. (Dr.) T. Sivakumar</b> Vice President Sri Lanka Society of Transport and Logistics (SLSTL)
9.30 a.m. - 9.40 a.m.	Welcome Address (EASTS) <b>Prof. Tetsuo Yai</b> President Eastern Asia Society for Transportation Studies (EASTS)
9.40 a.m. - 9.50 a.m.	Address by National Advisory Committee (NAC) Chairman <b>Mr. Sunil Hettiarachchi</b> Secretary Ministry of Highways & Road Development and Petroleum Resources Development
9.50 a.m. - 10.10 a.m.	Cultural Presentation
10.10 a.m. - 10.30 a.m.	Address by Guest of Honour <b>Prof. Mohan Munasinghe</b> Founder Chairman Munasinghe Inst. of Development (MIND) and MIND Group
10.30 a.m. - 11.00 a.m.	Address by Chief Guest <b>Dr. Indrajit Coomaraswamy</b> Governor Central Bank of Sri Lanka
11.00 a.m. - 11.30 a.m.	Networking and Refreshments

11.30 a.m. - 12.00 p.m.

Keynote Address - I

*"Pedestrian Planning in Hong Kong"*

**Ir Prof. William H.K. Lam**

Chair Professor

Department of Civil and Environmental Engineering

The Hong Kong Polytechnic University

### Plenary Session

12.00 p.m. - 12.30 p.m.

Keynote Address - II

*"Managing Motorization in Middle Income Countries"*

**Prof. Amal S. Kumarage**

Department of Transport & Logistics Management

University of Moratuwa

President, Sri Lanka Society of Transport and Logistics (SLSTL)

Vice President, Eastern Asia Society for Transportation Studies (EASTS)

12.30 p.m. - 2.00 p.m.

Lunch

*Redesigning Transport & Logistics for the Rise of Asia*

5

# Opening Ceremony Speakers



**Dr. Indrajit Coomaraswamy**  
Governor  
Central Bank of Sri Lanka



**Mr. Sunil Hettiarachchi**  
Secretary  
Ministry of Highways &  
Road Development  
and Petroleum Resources  
Development



**Ir Prof. William H. K. Lam**  
Chair Professor  
Department of Civil and  
Environmental Engineering  
The Hong Kong Polytechnic  
University



**Prof. Mohan Munasinghe**  
Founder Chairman  
Munasinghe Inst. of  
Development (MIND) and  
MIND Group



**Dr. T. Sivakumar**  
Vice President  
Sri Lanka Society of  
Transport and Logistics  
(SLSTL)



**Prof. Amal S. Kumarage**  
Department of Transport  
& Logistics Management  
University of Moratuwa  
President, SLSTL  
Vice President, EASTS



# Opening Ceremony Speakers (Contd)



[www.slstl.lk/easts2019](http://www.slstl.lk/easts2019)

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*The Chief Guest at the Inauguration Ceremony Dr. Indrajith Coomaraswamy drew attention to the theme of this year's conference, "Redesigning Transport & Logistics for the Rise of Asia" and how Sri Lanka is committed to the One Road One Belt Project.*

**Dr. Indrajit Coomaraswamy**  
Governor  
Central Bank of Sri Lanka

*Prof. Mohan Munasinghe, who was the Guest of Honour called upon the large gathering of scientists and practitioners from across Asia to ensure that development of transport is aligned to sustainable growth models.*

**Prof. Mohan Munasinghe**  
Founder Chairman  
Munasinghe Inst. of Development (MIND)  
and MIND Group

*The Chairman of the National Advisory Committee, Mr. Sunil Hettiarachchi, Secretary to the Ministry of Highways & Road Development and Petroleum Resources Development, emphasized the need for evidence based decision making and rationalizing investment in the transport sector.*

**Mr. Sunil Hettiarachchi**  
Secretary  
Ministry of Highways & Road Development  
and Petroleum Resources Development

*Prof. Amal Kumarage, the President of the Sri Lanka Society of Transport and Logistics (SLSTL) and also the Vice President of the Eastern Asia Society for Transportation Studies (EASTS) called on Governments across the globe to manage rapid motorization.*

**Prof. Amal S. Kumarage**  
Department of Transport  
& Logistics Management  
University of Moratuwa  
President, SLSTL  
Vice President, EASTS

# Keynote Addresses



## EASTS 2019

### **Abstract of Keynote Address “Pedestrian Planning in Hong Kong”**

Various pedestrian models and advanced techniques have been developed in Hong Kong for design of pedestrian facilities and level of service analysis with taking account of the local pedestrian flow characteristics and the bi-directional flow effects. This presentation will give an overview of development of various applications and practice for pedestrian planning in Hong Kong together with future potential applications. It will cover various studies on pedestrian flow characteristics, bi-directional flow effects, level of service for different pedestrian facilities and simulation models for design of pedestrian facilities. Demonstration projects for promotion of non-motorized mode in Hong Kong will also be discussed.

#### **Ir Prof William H.K. Lam**

Chair Professor  
Department of Civil and Environmental Engineering  
The Hong Kong Polytechnic University  
E-mail: [william.lam@polyu.edu.hk](mailto:william.lam@polyu.edu.hk)  
Website: [www.cee.polyu.edu.hk/~cehklam](http://www.cee.polyu.edu.hk/~cehklam)





# Keynote Addresses

## EASTS 2019

### **Abstract of Keynote Address “Managing Motorization in Middle Income Countries”**

The motor vehicle has been the one of the most influential inventions that changed the world in the 20th century. The Information Technology revolution that started towards the end of that century appears to be the primary driver of change in the 21st Century, as did the Industrial Revolution in the 19th century etc. Currently there are an estimated 1.4 billion vehicles globally averaging just under one per household. Motor Vehicle ownership is often used as an indicator of economic prosperity and prestige and therefore driven by powerful political, social intentions and business interests promoting a large global automotive industry.

Many studies have been carried out in an attempt to understand the rapid growth of motor vehicles. Most of these have concluded that it is closely related to economic growth of a city or country. Analysis of trends of vehicle growth across different countries over the last four to five decades has shown that the Vehicle Ownership Rate (VOR) can be forecasted using a Gompertz function with GDP per capita as the independent variable. In early applications of this theory, it was deemed that all developing countries would follow this curve reaching a Saturation Level of over 800 vehicles per 1000 persons. However, more recent work has determined that countries have their own trends and are likely to reach different saturation levels. However, traffic congestion, road fatalities and issues of urban land use have imposed serious restrictions to such unbridled income driven growth in motor vehicle ownership.



# Keynote Addresses (Cont'd)



This research examines the theory that countries and cities should determine their own sustainable levels of motorization based primarily on population density in their efforts to pursue sustainable development efforts. The case of motorization of around 40 countries that have been classified as High Income countries by the World Bank have been used to identify the levels of motorization that enabled them to reach such development status. It has been determined that in general while low population density countries use a high level of private vehicles, high population density countries have used the opposite policy to reach high income status. Thus both strategies of managing mobility and motorization are successful in their respective contexts. There are also many countries in between these extremes that can be classified by the trends they demonstrate. A generalization of such in to four trends for analytical purposes leads to the conclusion that transport policy, regulatory measures, fiscal measures, can make significant impacts in a country in the long term to prevent reaching unsustainable levels of motorization that could seriously impeded economic growth and even lead to contributing towards a middle income trap where life style led demand for motorization will not enable the provision of the rapid requirement for increase in road infrastructure.

With the baby boomers who were enamored by private vehicles now driving less and with the youth able to build urban lifestyles without owning a private vehicle, the advent of IT and smart technology into improved mobility, the ability of developing countries to intervene in managing vehicle growth within sustainable levels has become even more realistic. This research while setting out the parameters for determining such levels of sustainability also venture to identify the different instruments including improving public and para transit that have been or can be used to achieve such levels.

**Prof. Amal S. Kumarage**

Department of Transport & Logistics Management (University of Moratuwa)  
President, Sri Lanka Society of Transport and Logistics (SLSTL)  
Vice President, Eastern Asia Society for Transportation Studies (EASTS)



[illegible]

# Technical Sessions (Cont'd)

## Total No. of Papers - 276



-5 Poster Session (5)	LINK	9/11/2019 14:00 - 16:00	70.51 Pedestrian and Bicycle (1)	Olu	9/10/2019 11:00 - 13:00
-4 Poster Session (4)	LINK	9/11/2019 09:00 - 12:00	70.52 Pedestrian and Bicycle (2)	View	9/11/2019 11:00 - 13:00
-3 Poster Session (3)	LINK	9/10/2019 14:00 - 17:00	70.71 Transit and Urban/Regional Development (1)	Albatross	9/11/2019 11:00 - 13:00
-2 Poster Session (2)	LINK	9/10/2019 09:00 - 12:00	80.21 Pavements (1)	Eagle	9/11/2019 11:00 - 13:00
-1 Poster Session (1)	LINK	9/9/2019 14:00 - 17:00	80.22 Pavements (2)	Nelum	9/10/2019 14:00 - 15:30
10.11 Asia-Specific Issues (1)	Albatross	9/9/2019 14:00 - 15:30	80.23 Pavements (3)	View	9/9/2019 16:00 - 17:30
10.12 Asia-Specific Issues (2)	Grand Ballroom 1/3	9/10/2019 11:00 - 13:00	90.11 Modeling of Vehicle Maneuvers and Drivers (1)	Eagle	9/9/2019 16:00 - 17:30
10.13 Asia-Specific Issues (3)	Albatross	9/10/2019 14:00 - 15:30	90.21 Traffic Flow Analysis (1)	Nelum	9/10/2019 09:00 - 10:30
10.14 Asia-Specific Issues (4)	Grand Ballroom 1/3	9/11/2019 09:00 - 10:30	90.31 Highway Capacity and Quality of Service (1)	Manel	9/10/2019 14:00 - 15:30
10.41 Survey and Data Collection (1)	Grand Ballroom 1/3	9/10/2019 16:00 - 17:30	90.81 ITS (1)	Olu	9/11/2019 11:00 - 13:00
10.42 Survey and Data Collection (2)	Albatross	9/11/2019 14:00 - 15:30	100.11 Accident Analysis (1)	View	9/9/2019 14:00 - 15:30
10.51 Transportation and Natural Disasters (1)	Grand Ballroom 1/3	9/10/2019 09:00 - 10:30	100.12 Accident Analysis (2)	Manel	9/10/2019 09:00 - 10:30
10.71 Others (1)	Grand Ballroom 1/3	9/11/2019 11:00 - 13:00	100.13 Accident Analysis (3)	Manel	9/11/2019 09:00 - 10:30
20.11 Pricing (1)	Eagle	9/9/2019 14:00 - 15:30	100.21 Driving Behavior and Safety (1)	Olu	9/9/2019 16:00 - 17:30
20.31 Project Evaluation (1)	Albatross	9/10/2019 16:00 - 17:30	100.22 Driving Behavior and Safety (2)	Nelum	9/10/2019 11:00 - 13:00
20.51 TDM Policy and Mobility Management (1)	Albatross	9/10/2019 11:00 - 13:00	100.23 Driving Behavior and Safety (3)	Nelum	9/11/2019 14:00 - 15:30
20.71 Sustainable Transportation Policy (1)	Albatross	9/11/2019 09:00 - 10:30	100.41 Evaluation on Safety Measures (1)	Olu	9/10/2019 16:00 - 17:30
30.11 Travel Behavior Analysis (1)	Olu	9/9/2019 14:00 - 15:30	110.31 Airport Planning, Engineering, and Management (1)	Nelum	9/11/2019 11:00 - 13:00
30.12 Travel Behavior Analysis (2)	Albatross	9/10/2019 09:00 - 10:30	110.41 Operation and Management of Air/Water Transportation (1)	Nelum	9/9/2019 16:00 - 17:30
30.13 Travel Behavior Analysis (3)	Eagle	9/11/2019 09:00 - 10:30	110.42 Operation and Management of Air/Water Transportation (2)	Manel	9/10/2019 11:00 - 13:00
30.31 Network Analysis and Traffic Assignment (1)	Eagle	9/10/2019 14:00 - 15:30	120.11 Emerging Technology (C-ITS/Autonomous/IoT) (1)	Manel	9/9/2019 16:00 - 17:30
30.32 Network Analysis and Traffic Assignment (2)	Eagle	9/11/2019 14:00 - 15:30	120.12 Emerging Technology (C-ITS/Autonomous/IoT) (2)	View	9/11/2019 14:00 - 15:30
40.11 Logistics and Freight Transportation Policy (1)	Nelum	9/9/2019 14:00 - 15:30	120.21 New Transport Industry (Car-Sharing/Carpool/Bike-Sharing/Uber/Personal Mobility) (1)	Nelum	9/10/2019 16:00 - 17:30
40.12 Logistics and Freight Transportation Policy (2)	Olu	9/11/2019 09:00 - 10:30	130.11 Engineering, Technology, and Design (1)	Manel	9/10/2019 16:00 - 17:30
40.31 City Logistics (1)	Eagle	9/10/2019 11:00 - 13:00	130.21 Policy, Planning and Management (1)	Manel	9/11/2019 11:00 - 13:00
50.11 Urban and Regional Planning (1)	Albatross	9/9/2019 16:00 - 17:30	200.259 Institutions for Railway Development in Asian Cities (IRDAC) (IRG) Special Speakers	Grand Ballroom 2/3	9/10/2019 09:00 - 10:30 IRG-26-2014
50.21 Land Use and Spatial Analysis (1)	Eagle	9/10/2019 16:00 - 17:30	200.26 Institutions for Railway Development in Asian Cities (IRDAC) (IRG)	Grand Ballroom 2/3	9/10/2019 11:00 - 13:00 IRG-26-2014
50.41 Tourism and Leisure Activities (1)	Nelum	9/11/2019 09:00 - 10:30	200.281 Motorcycle, Motor Scooter, Motorbike Ownership and Use in South East Asia Cities (IRG) (1)	Falsetto	9/11/2019 09:00 - 10:30 IRG-28-2015
60.11 Transportation and Environment (1)	Eagle	9/10/2019 09:00 - 10:30	200.282 Motorcycle, Motor Scooter, Motorbike Ownership and Use in South East Asia Cities (IRG) (2)	Falsetto	9/11/2019 11:00 - 13:00 IRG-28-2015
60.21 Climate Change and Transportation (1)	Manel	9/11/2019 14:00 - 15:30	200.29 Gender and Transport Nexus: Achieving A More Equitable and Inclusive Society (IRG)	Falsetto	9/10/2019 16:00 - 17:30 IRG-29-2016
70.11 Intercity Railway (1)	Manel	9/9/2019 14:00 - 15:30	200.3 Entry Point of Mobility Management Measures in Asia (IRG)	Falsetto	9/9/2019 16:00 - 17:30 IRG-30-2017
70.31 Bus and BRT (Bus Rapid Transit) (1)	Olu	9/10/2019 09:00 - 10:30	200.31 Better Mobility in New Town: Preparing for Self-Contained Neighborhood in Asia (IRG)	Falsetto	9/11/2019 14:00 - 15:30 IRG-31-2017
70.32 Bus and BRT (Bus Rapid Transit) (2)	Olu	9/11/2019 14:00 - 15:30	200.32 Logistics Network and Variety in Asian Context: Globalization and Localization (IRG)	View	9/11/2019 09:00 - 10:30 IRG-32-2017
70.41 Minibus and Paratransit (1)	Olu	9/10/2019 14:00 - 15:30	212 Special Session (ISC-SP-2) : Transport Connectivity in Asia	Grand Ballroom 2/3	9/10/2019 16:00 - 17:30
			213 Special Session (SEC-SP-1) : TBD	Grand Ballroom 2/3	9/11/2019 09:00 - 10:30
			214 Special Session (SEC-SP-2) : TBD	Grand Ballroom 2/3	9/11/2019 11:00 - 13:00



# Technical Sessions (Cont'd)

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# Technical Sessions (Cont'd)





# Welcome Dinner

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# Welcome Dinner



It was a really challenging task to formulate a balanced menu to satisfy the taste buds of hundreds of people, belonging to a wide range of nationalities with different food habits and preferences. However, after having several rounds of discussions, the Chief Chef of Waters Edge designed an excellent menu combined with Sri Lankan style curries such as, traditional roast chicken dressed with lemongrass gravy, Indian specialties like paneer masala, marinated paneer cheese served in a spiced gravy, which is a vegetarian alternative to chicken tikka masala. Several sea food and other similar cuisines, variety of meat preparations and many more with the intention of catering to the expectations of majority of the participants. This menu had an excellent combination of desserts including chocolate mouse, famous Sri Lankan Wattalappan, several nicely cut tropical fruits, date pudding with ginger sauce and several other mouthwatering items. It is with great happiness we note here that the participants had enjoyed all this delicious food, served at the Welcome Dinner and shown their utmost satisfaction about the selection of diverse, but harmonized food preparations.



# The Sri Lankan Touch



*A Traditional Welcome*



*"Sankalana" - A Mix of Up country and Low country Dance with Ves Dance*



*"Goyam Kavi - The Harvest Dance*

# The Sri Lankan Touch



## *Welcome dinner blended with Sri Lankan Cultural Heritage*

The “Sankalana” dance has been carefully chosen to provide unique welcome to our foreign guests comprised of 443 in number from 29 different countries. “Sankalana” is a fusion of “Udarata Dance” commonly known as Kandyan dances, Low country or “Pahatha rata dances” and “Sabaragamuwa dances”. This ensembles of dances create a new contemporary dance that combines different traditional dance styles maximizing its aesthetic value. It is generally agreed that the roots of Kandyan dances lie in an ancient village ritual, called “kohomba kankariya”, a purification ceremony. It has been an important folk ritual of the regions of the Kandyan kingdom. It has been combined with drums, music and dances associate with “Ves dance”. Like most of the birth legends of Sri Lankan theatrical traditions, the story of the origins of “kohomba kankariya” also tells us about the intervention of supernatural beings to cure a king. History reveals that some influence of Kerala form also has been arrived during the early 18th century, when the King of Kandy invited dancers and musicians from Kerala to his court. In 1916 the Kandyan dances were added to the annual Perahera procession of the holy Tooth Relic. Thus, Kandyan dances were performed outside the court and temple context for the first time. In 1955 the technique of the Kandyan dances was standardized for the use of schools and performing art universities in Sri Lanka. Some features of Pahan Maduwa from Sabaragamuwa dance style and Thelme dance styles are also combined in “Sankalana”. Thelme is a brilliant expression of the pure rhythmical and classical dance form of the Low-Country tradition. It is a dance that highlights in the ritual, “Devol Maduwa” or “Gammaduwa”. At present all these dances are performed at secular social celebrations as well as in dance shows, aimed at either local or foreign audiences. Specially the thousands of tourists visit Sri Lanka used to enjoy these drum beats and dancing styles.



# Special Session: R4TLI 2019



No. of Participants - 42  
No. of Invites Papers - 12  
No. of Papers Presented - 10  
No. of Papers Selected to be Published in the forthcoming journal - 06

# Special Session: R4TLI 2019

www.slstl.lk/easts2019



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R4TLI 209 - 10th September 2019 Water's Edge Colombo	
8:15-8:45	Registrations
8:40 -8:50	Opening Ceremony R4TLI 2019
Master of Ceremony:	Ms Uthpalee Hewage
Assigned Room	View
0900-1030: Session 1	
Session Name	Supply Chain and Logistics
Session Chair	Dr Niles Perera
8:50 - 9:15	1.1 Conceptualization of Logistics Management Knowledge in Healthcare Context <i>L.D.C.S. Layangani</i>
9:15 - 9:40	1.2 Applicability of Military Logistics Practices to Small Scale Apparel Industry of Sri Lanka Having Agile Supply Chains <i>Chethaka Gamage And Nishal Samarasekera</i>
9:40 - 10:05	1.3 The Impact of Railway Existence on Poverty <i>B.S.D.R. Bulatsinghala , K.P.J. Bemindu, J.A.S.K. Perera &amp; A.H.S. Sharic</i>
10:30 - 11:00	Tea / Coffee Break
1100-1300: Session 2	
Session Name	Transport Planning
Session Chair	Eng Nishal Samarasekera
11:00 - 11:25	2.1 Review of Sisu Saeriyia School Bus Service <i>Amal S. Kumarage, Thiranjaya Kandanaarachchi &amp; Aloka Karunarathne</i>
11:25 - 11:50	2.2 Characterization of Potential Demand for ETC Usage Along E03 Highway in Terms of Socio-Demographic Parameters of Non-ETC Users - A Case Study from Sri Lanka <i>Granie R Jayalath, Chethani Y.D. S</i>
11:50 - 12:15	2.3 Study of Mode Selection Behaviour Of Passengers Across the Western and Southern Provinces at Coastal Transport Corridor <i>Gayasha S. Samarakoon, Krishani R. Perera, Tissa U. Liyanage &amp;</i>
12:15 - 12:40	2.4 A Study on Developing A Multimodal Transport Hub for Kilinochchi <i>S. Hareindirasarma &amp; A. Anburuvel</i>
13:00 - 14:00	Lunch Break

1400-1530: Session 3	
Session Name	Maritime and Freight Transport
Session Chair	Eng Nishal Samarasekera
14:00 - 14:25	3.1 Case Study on Application of Satellite System Based Vehicle Tracking Technology in Logistics Industry in Sri Lanka <i>R.U.S. Thennakoon &amp; Nishal Samarasekera</i>
14:25 - 14:50	3.2 Study on Maritime Disruptions in Bunker Industry of Sri Lanka <i>Thushani Samaranayake &amp; Indika Sigera</i>
14:50 - 15:15	3.3 Algorithms to Operationalize the Virtual Container Yard <i>Hansa Edirisinghe, Rashika Mudunkotuwa and Lalith Edirisinghe</i>
15:30 - 16:00	Tea / Coffee Break
1600-1730: Session 4	
Session Name	EASTS 2019 - SLSTL and EASTS Joint Special Session "Best Practices in Transport Policy Formulation; Global Perspectives"
All R4TLI 2019 Participants are welcomed to be part of the special session	
16:00 - 16:10	Introduction & Background by Mr. Sunil Hettiarachchi, Secretary, Ministry of Highways & Road Development and Petroleum Resources Development / Chairman, National Advisory Committee, EASTS 2019 International Conference
16:10 - 16:20	Identifying Common Issues in Transport Policy Formulation & Implementation by Prof. Amal S. Kumarage, President, Sri Lanka Society of Transport and Logistics / Senior Professor, Department of Transport & Logistics, University of Moratuwa
16:20 - 17:00	Sharing of International Practices by Prof. Tetsuo Yai, President, Eastern Asia Society for Transportation Studies / Professor, Vice President for Government and Industry Relations, Tokyo Institute of Technology, Japan, Prof. William H.K. Lam, Chair Professor of Civil & Transportation Engineering, Head of the Civil & Environmental Engineering Department, The Hong Kong Polytechnic University, Prof. S.K. Jason Chang, Professor, Director of Advanced Public Transportation Research Center, National Taiwan University, Taiwan and Prof. Bhargab Maitra, Professor, Head of RCG School of Infrastructure Design and Management, Indian Institute of Technology Kharagpur, India
17:00 - 17:30	Panel Discussion



# Special Session: “Best Practices in Transport Policy Formulation; Global Perspectives”



## Date

10<sup>th</sup> September 2019

## Objectives

The objectives of the Special Session are as follows:

- \*To highlight common lacunas in the formulation and implementation of transport policy
- \*To understand the common reasons for ad hoc implementation of transport strategy and projects, that are not aligned to an accepted policy framework
- \*To discuss best practices globally in implementation of transport policy and in policy led development
- \*To document above as global lessons for improve policy led transport sector development

### Introduction & Background

Mr. Sunil Hettiarachchi, Secretary, Ministry of Highways & Road Development and Petroleum Resources Development and Chairman National Advisory Committee, EASTS 2019

### Identifying Common Issues in Transport Policy Formulation & Implementation

Prof. Amal S. Kumarage, Department of Transport & Logistics Management, University of Moratuwa and President, Sri Lanka Society of Transport and Logistics (SLSTL) and Vice President, Eastern Asia Society for Transportation Studies (EASTS)

### Sharing of International Practices

- Prof. Tetsuo Yai, President, Eastern Asia Society for Transportation Studies / Professor, Vice President for Government and Industry Relations, Tokyo Institute of Technology, Japan
- Prof. William H.K. Lam, Chair Professor of Civil & Transportation Engineering, Head of the Civil & Environmental Engineering Department, The Hong Kong Polytechnic University
- Prof. S.K. Jason Chang, Professor, Director of Advanced Public Transportation Research Center, National Taiwan University, Taiwan
- Prof. Bhargab Maitra, Professor, Head of RCG School of Infrastructure Design and Management, Indian Institute of Technology Kharagpur, India

### Panel Discussion



# Special Session: “Application of Travel Behavior Analysis and Demand Modeling Approaches for Solving Transportation Problems”



## Objectives

*The objectives of the Special Session are as follows:*

The broad objectives of the proposed joint session are to demonstrate a few applications of travel behavior analysis and demand modeling approaches in the context of transportation problems in Asian Countries, highlight the opportunities and challenges, and interact and exchange ideas with young researchers to encourage them to apply similar analysis and approaches for solving different transportation problems. It is aimed to generate interest among young researchers through (i) demonstration of successful examples, (ii) discussion on opportunities and challenges (ii) interaction and exchange.

## Agenda

Opening remarks by the Chairman, Prof. Amal S. Kumarage  
Invited presentation by Dr. Bhargab Maitra  
Invited presentation by Dr. Hironori Kato  
Invited presentation by Dr. ONG Ghim Ping Raymond  
Interaction with young researchers and participants (Q&A)  
Concluding remarks

## Date

11<sup>th</sup> September 2019



# Poster Sessions

## Total No. of Posters - 173

[www.slstl.lk/easts2019](http://www.slstl.lk/easts2019)



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# Closing Ceremony

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# Award Winners



## Best Paper Award for “Enlightening Asia-specific Topics”



Use of Social and Economic Factors for Ranking Pavement  
Maintenance and Rehabilitation Projects

**Sarala GUNATHILAKA, Niranga AMARASINGHA**

Sri Lanka Institute of Information Technology, Sri Lanka



## Best Paper Award for “Methodological Development”



Semi-dynamic Markovian path flow estimator considering  
the inconsistencies of traffic counts

**Hiroshi SHIMAMOTO, Atsushi KONDO**

University of Miyazaki, Japan  
NIPPON KOEI CO., LTD, Japan

# Award Winners (Cont'd)



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## OCDI Takeuchi Yoshio Special Award

Log

Capacity Analysis of Ship Tugging Operations in A Large Container Port

**Liujiang Kang, Song Gao, Qiang Meng**

National University of Singapore, Singapore  
Wuhan University of Technology, China



## Best Paper Award for “Difficult Research Accumulations”

h

A Comprehensive Study on Identification of Risk Factors for Fatal Pedestrian Crashes at Urban Intersections in a Developing Country

**Dipanjan MUKHERJEE, Sudeshna MITRA**

Indian Institute of Technology Kharagpur, India



# Award Winners (Cont'd)



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## Best Paper Award for “Best Application in Practices”

g

Evaluation of Walking Environment around Urban Railway Stations in Bangkok and Consideration of Improvement Plan  
**Hironori OZAWA, Atsushi FUKUDA, Sathita MALAITHAM, Varameth VICHIANSA**

Nihon University, Japan  
PSK Consultant co., Ltd., Thailand  
Kasetsart University, Thailand  
Prince of Songkla University, Thailand



## Best Paper Award for “Enlightening Asia-specific Topics”

a

Impact of Ride-hailing Apps on Traditional LAMAT Services in Asian developing Cities: The Phnom Penh Case

**Veng Kheang PHUN, Pharinet PHENG, Reiko MASUI, Hironori KATO, Tetsuo YAI**

Institute of Technology of Cambodia, Cambodia  
Tokyo Institute of Technology, Japan  
The University of Tokyo, Japan

# Award Winners (Cont'd)



## JTTRI Special Award

PT

Redesigning the Interiors of Public Buses in Dhaka City:  
Exploring the Gender based Perceptions and Preferences  
**Sharmin SULTANA, Khadija Bint Abdur ROUF, Sakib Sarwar**  
**AHMED, Moinul HOSSAIN, Dewan Mahboob HOSSAIN**

World University of Bangladesh, Bangladesh; Qatar University, Qatar  
Shahjalal University of Science and Technology, Bangladesh  
Islamic University of Technology, Bangladesh; University of Dhaka, Bangladesh



## Yasoshima Yoshinosuke Prize

Modeling Joint Activity-Travel Patterns in Pedestrian Networks  
with Possibility of Using Wi-Fi Data

**Khoa Dang VO, Kun QIAN, William H.K. LAM,**  
**Agachai SUMALEE**

The Hong Kong Polytechnic University, Hong Kong



# Award Winners (Cont'd)

## Presentation Awards in 2019

### [Best Oral Presentations (3)]

PP2425 Nishanthini Jegatheesan (Sri Lanka)

PP2345 Nima Tenzin (Sri Lanka)

PP2506 Dipanjan Mukherjee (India)

### [Best Poster Presentations (3)]

PP2521 Dipanjan Mukherjee (India)

PP2466 Kota Miyauchi (Japan)

PP2228 Phani Kumar Patnala (India)



We thank EASTS New Zealand President, Dr. Thull for the prizes!



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# Best Domestic Society Award



## **Best Domestic Society Award**

The Sri Lanka Society of Transport and Logistics (SLSTL) won the award for the Best Domestic Society Award, in recognition of its excellence performance in pursuing activities that are most responsive to the goals and objectives of the EASTS.



# Farewell Party

[www.slstl.lk/easts2019](http://www.slstl.lk/easts2019)



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## *Sri Lankan Style Farewell Party*

The farewell party was organized with a Sri Lankan menu, which included some unique Sri Lankan dishes like Kotthu Roti, Hoppers and Isso Wade, also very popular street food in Sri Lanka and some Sri Lankan desserts like Curd & Honey and Wattalappan and a Sri Lankan welcome with a Belimal welcome drink.



# Transport & Logistics and Accommodation



Jetwing  
EVENTS  
SRI LANKA

## Transportation

Shuttle buses would depart from the following hotels (Hilton Colombo, Taj Samudra, Omega Regency, Jetwing Colombo Seven, Galadari, The Kingsbury, Cinnamon Lakeside) to the conference venue each morning at 7.30am. There will be conference representatives at the lobby of these hotels from 7.15am onwards next to a conference banner to help you out. Please show them a printed copy or copy on your phone of your registration sheet. If you have already paid for the conference, you will be provided a lanyard by our representative. At the conference you can directly collect the conference pack and proceed to the venue. If you haven't paid or attending as an accompanying person, you will have to proceed directly to the information desk to collect your lanyard. There will be shuttle buses from the conference venue back to your hotels as follows:

- On Monday 9th -at 11.00am, 2.00pm and 4.00pm. For the Gala Dinner, a shuttle bus will originate from the aforesaid hotels at 5.00pm. Those who plan to join this are requested to inform the information helpline provided with the conference information pack.
- On Tuesday 10th – at 1.00 pm, 2.00 pm and 4.00 pm
- On Wednesday 11th at 1.00 pm, 2.00 pm and 4.00 pm. For those attending the Farewell Party , a shuttle bus will originate from the aforesaid hotels at 5.00pm. Those who plan to join this are requested to inform the information helpline provided with the conference information pack.

Shuttle buses will depart back to hotels after the conference on each day.

If you miss the shuttle buses or staying at a different location, you may have to find your own way to the conference location. Uber and several other ride hailing apps are in operations in Sri Lanka (PickMe, SLT muve, etc.). It usually costs around USD 3.50 per trip on a taxi from Colombo Central Business District to the conference venue. The fare would be even cheaper if you were to use a tuk-tuk.

If you have any queries, feel free to contact the information helpline that will be provided to you with the conference information pack when you arrive at the conference venue.



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# Transport & Logistics and Accommodation



Bus No	Shuttle Service on 10th September 2019																							Return Back to Hotels	Pickups after Meetin	OC Drop	Remarks	
	7.15	7.45	8.00	8.45	9.00	9.30	10.00	10.30	11.00	11.30	12.00	12.30	13.00	13.30	14.00	14.30	15.00	15.30	16.00	16.30	17.00	17.30	...	17.45	18.30	18.30		
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Coach 3		GL		WE																					GL	*		
Coach 4		HC		WE																					HC	*		
Coach 5		HC		WE																					HC	*		
Coach 6		TS		WE																				TS	*			
Coach 7		CL		WE																				CL	*			
Coach 8		Jet		WE																				Jet	*			
Coach 9		Jet		WE																				Jet	*			
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		Bus	Hotel Group 1																									
		Bus	Hotel Group 2																									
		Bus	Jetwin Colombo 7																									
		Bus	Omega Regency																									



# Transport & Logistics and Accommodation



Bus No	Shuttle Service on 11th September 2019																							Drop Special Needs	Return Back to Hotels	Late Pickup s	Remarks		
	7.15	7.45	8.00	8.30	9.00	9.30	10.00	10.30	11.00	11.30	12.00	12.30	13.00	13.30	14.00	14.30	15.00	15.30	16.00	16.30	17.00	17.30	18.00 ...					20.30	20.00
Coach 1		KB		WE																						KB	All		
Coach 2		GL		WE																							GL	All	
Coach 3		GL		WE																							GL	All	
Coach 4		HC		WE																							HC	All	
Coach 5		HC		WE																							HC	All	
Coach 6		TS		WE																						TS	All		
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# Transport & Logistics and Accommodation



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# Technical Tour



## Advantis 3PL Plus Logistics City, Advantis Logistics City, Kotugoda



### Location

193,  
Minuwangoda Road,  
Kotugoda.

[Visit Location on Google maps](#)



### Maximum Persons Allocated

30

### Tour Schedule

0900Hrs – Depart Colombo  
1000Hrs – Arrive at the Facility  
1130Hrs – Proceed to the Kelaniya Temple  
1215Hrs – Arrive and Visit the Temple  
1300Hrs – Proceed to Colombo  
1330Hrs – Drop-off

[Visit Kelaniya Temple Website for more details](#)



### Summary of the Facility

Leading logistical services provider Advantis 3PL Plus expanded their operations by Opening the Advantis 3PL Plus Logistics city at Kotugoda, Sri Lanka in December 2018. This 330,000 sqft facility counts as Sri Lanka's largest warehouse with 38,000 pallets positions which will hold upto 55,000 CBM with the operation capacity of 75 docks, in the 1st phase would be leveraged to suite of best-in-class technologies and product handling methods with focus on automation and digitization. With the completion of phase 2 of the Advantis 3PL Plus Logistics City the facility would have 500,000sqft. The new Logistics city is designed to cater to any Industry vertical, and serve as a logistics hub meeting the fast-changing needs of brands and retailers across the globe.

[Visit Advantis Website for more details](#)



September 2019 | Colombo

# Technical Tour

## John Keells Logistics 3PL Facility, Seeduwa



### Location

Seeduwa Rd,  
Negombo

[Visit Location on Google maps](#)



### Maximum Persons Allocated

40

### Tour Schedule

0900Hrs – Depart Colombo  
1000Hrs – Arrive at the Facility  
1130Hrs – Proceed to the Kelaniya Temple  
1215Hrs – Arrive and Visit the Temple  
1300Hrs – Proceed to Colombo  
1330Hrs – Drop-off

[Visit Kelaniya Temple Website for more details](#)

### Summary of the Facility

John Keells Logistics (JKLL) is a premier 3PL solutions provider with service expertise spanning across multiple industry verticals. With several state-of-the-art logistic centers located within proximity to major highways, industrial parks, city centers and ports; complimented with an extensive fleet of transport vehicles.

Seeduwa Facility is a 70,000 sqfts facility with Supported by modern Warehouse & Transportation management systems, paperless RDT infrastructure and cutting edge digitization solutions, we are able to service logistics needs of our clients under one roof; using the most cost effective, transparent and operationally efficient processes & system which cater for Lubricants, Chemicals and Apparels. [Visit JKLL Website for more details](#)





# Technical Tour



## LAUGFS Terminals, Hambantota



### Location

Karagan Lewaya,  
Hambantota

[Visit Location on Google maps](#)



### Maximum Persons Allocated

40

### Tour Schedule

0600Hrs – Depart Colombo (with self-provided, packed breakfast from respective hotels)  
1100Hrs – Arrive at the Facility  
1300Hrs – Lunch at Red Beach Cafe, Tangalle at a cost of USD 15 per person (approx.) (self-provided)  
1430Hrs – Proceed to Galle  
1700Hrs – Arrive and Walking Tour  
1800Hrs – Proceed to Colombo  
2000Hrs – Drop-off

[TripAdvisor Review on Red Beach Cafe](#)

### Summary of the Facility

LAUGFS Terminals Ltd. owns and operates the largest LPG Transshipment Terminal in South Asia with a 30,000 MT storage facility located at Hambantota International Port. With plans underway for capacity to be extended to 45,000MT, the state-of-the-art LPG terminal will support LAUGFS's rapid expansion plans to become an integrated regional LPG player in the Indian Ocean Rim area.

Hambantota port has dedicated two jetties for oil, gas and petroleum business. LAUGFS' storage facility is located 3 km from the jetty connected by a pipeline. LAUGFS Hambantota facility can receive and store refrigerated propane and butane separately or in mixed form, via very large gas carriers and pressurized vessels. [Visit Laugfs Gas Website for more details](#)



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# Technical Tour



## Port of Colombo



### Location

19,  
Chaithya Rd,  
Colombo 01

[Visit Location on Google maps](#)



### Maximum Persons Allocated

45

### Tour Schedule

0900Hrs – Depart Colombo  
0930Hrs – Arrive at the Facility  
1100Hrs – Exit Port & Drive Around the City of  
Colombo  
1200Hrs – Visit Asokaramaya Buddhist Temple  
1300Hrs – Proceed to Drop-off Point  
1330Hrs – Drop-off

[TripAdvisor Review on Asokaramaya Temple](#)

### Summary of the Facility

Considered the largest and busiest port of Sri Lanka as well as in South Asia, the Port of Colombo in Sri Lanka serves as an important terminal in Asia due to its strategic location in the Indian Ocean.

The Colombo Port is primarily a container port. In 2018, it handled about 7 million TEU of containerized cargo. In addition to containers the port handles dry and liquid bulk, liquefied gas, Ro-Ro, passengers, steel and breakbulk cargo. There are also shipyard facilities for military vessels.

[Visit Port of Colombo Website for more details](#)





# Technical Tour

## Spectra Depot Facility, Welisara



### Location

No. 3001/MU125,  
Muthurajawela  
Industrial Zone,  
Welisara.

[Visit Location on Google maps](#)



### Maximum Persons Allocated

90

### Tour Schedule

0900Hrs – Depart Colombo  
1000Hrs – Arrive at the Facility  
1130Hrs – Proceed to the Kelaniya Temple  
1215Hrs – Arrive and Visit the Temple  
1300Hrs – Proceed to Colombo  
1330Hrs – Drop-off

[Visit Kelaniya Temple Website for more details](#)

### Summary of the Facility

Spectra Logistics (Pvt) Ltd ("Spectra") is a joint venture between Hemas Transportation and GAC Logistics. The partnership brings together two well-established companies with extensive track record in providing and managing a diverse and comprehensive range of logistics & supply chain related services in Sri Lanka and many parts of the world.

Spectra Depot Facility in Welisara consists of a storage capacity of 5500 TEUs with 9 acres. It has 3 container handlers with 7 high stacking and one 45 Tonne reach stacker. The facility also has a fully automated water purification plant. Furthermore, a fully equipped repair facility is there along with 50 Supply points being available for PTI or Laden Reefer Container storage.

[Visit Spectra Logistics Website for more details](#)



# Technical Tour



## Outer Circular Highway Project - Phase 3



### Location

Kerawalapitiya &  
Kadawatha  
Interchanges

[Visit Location on Google maps](#)



### Maximum Persons Allocated

60

### Tour Schedule

0900Hrs - Depart Colombo  
0945Hrs - Arrive at the Kerawalapitiya Interchange,  
Visit & Proceed to the Kadawatha Interchange  
1130Hrs - Proceed to the Kelaniya Temple  
1145Hrs - Arrive and Visit the Temple  
1230Hrs - Proceed to Colombo  
1330Hrs - Drop-off

[Visit Kelaniya Temple Website for more details](#)

### Summary of the Facility

Outer Circular Highway Project - Phase 3 is an express way construction project funded by EXIM Bank of China & the government of Sri Lanka. The total length is 9.63 km and the road width is 24.5 m. The project commenced in January, 2016 and expected to be finished in December, 2019. The technical tour includes two interchanges, Kerawalapitiya and Kadawatha.

[Visit Road Development Authority website for more details](#)





# Technical Tour

## Outer Circular Highway Project - Phase 3



The Outer Circular Highway (OCH) is considered as the most important segment of Expressway Network of Sri Lanka as it provides much awaited link in connecting north and south of the country without traversing through Colombo. Several expressways radiating from Colombo Suburbs such as Colombo - Katunayake Expressway (E3), Southern Expressway (E1), Central Expressway and many important National Highways are connected to this strategically important Expressway. The prime objective of OCH is to ease out traffic congestion within Colombo Metropolitan Region and other connected economic and social developments by providing a high mobility link to bypass the Central Business District of Colombo.

It stretches out 10-15 km away from the City of Colombo and the total length of OCH is approximately 29.53 km from Kottawa to Kerawalapitiya. Kottawa to Kadwatha section of this expressway through Kaduwela is in operation. The 3<sup>rd</sup> section of OCH from Kadawatha –Kerawalapitiya of length 9.63km is under construction and nearing completion. RDA expect to open this section for the public by end of year 2019.

Initially, OCH has been planned to be constructed as a 4 lane expressway and provisions have been kept to expand this as a 6 lane expressway in future depending on the traffic demand.

This particular technical visit has given the opportunity for the participants to see the construction of OCH from Kerawalapitiya to Kadawatha. The Project Director and his staff with consultant's and contractor's representatives have extended very warm welcome to the EASTS 2019 delegation and all the fine details of the project have been demonstrated well.

# Working Committee



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# In the Media

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## Sri Lanka to host major int'l conference on transport in September

Over 400 foreign delegates to attend; Japanese organizers on assessment visit

Thursday, July 25, 2019 - 01:00

Finance

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## News

### Time to apply brakes on rapid motorisation: Prof. Kumarage

By Namini Wijedasa

*Sri Lanka is on the wrong curve. We have gone beyond sustainable levels of motor vehicle ownership - 16 percent of Colombo's land is being used for the purpose of moving vehicles - a large area of very important commercial land*

View(s): 497

Less than half of the Sri Lankan population today uses public transport despite bus and rail availability increasing, a leading expert said recently at the Asian Conference on Transport Research held in Colombo.

Amal Kumarage, Senior Professor at the Moratuwa University's Department of Transport and Logistics, has traced how Sri Lanka's motor vehicle fleet developed over 61 years. In 1958, he said, 98 percent of people travelled by public transport. By 1980, this had dropped to 88 percent. But the real shift came in 1977 with the open market economy which allowed free imports.



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EASTS 2019 Photographs

<https://drive.google.com/drive/folders/13xTRFRu7Tdh6N-iFcQ0W4kNLsrw-MxBM?usp=sharing>