

Press Release

The first „Smart Mobility Symposium“ in Thailand will take place on the 6th of October 2017 at Makkasan Airport Link Railway Station, Bangkok, under the title of “Bridging the Grids”. Speakers from Thailand, Germany, Korea and Singapore will share their insights into present trends and their visions of the future of urban interconnected mobility in Mega-Cities. An exhibition will surround the stage, where a diverse range of companies from local start-up to global player showcase their vehicles, technologies and know-how of all the mobility-related industries.

The Minister of Transport, Mr. Arkhom Termpittayapaisith, and the German Ambassador to Thailand, HE Peter Prügel, will open the event.

The event is organized by a partnership of the International Sirindhorn Thai-German Graduate School of Engineering (TGGS, at KMUTNB), RWTH Aachen University (Germany) and the Personal Mobility Research Center (PMRC, Seoul, Republic of Korea).

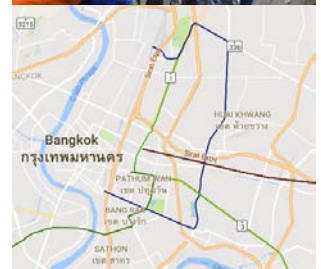
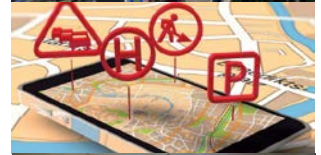
The event is co-chaired by the Thai Railway Engineering Association (TREA), the Ministry of Transport (MOT), the Office of Transport and Traffic Policy and Planning (OTP), Airport Rail Link (SRTET) and the State Railway of Thailand (SRT).

The event is sponsored by SIEMENS Ltd. Thailand, BMW Manufacturing Thailand Co., Ltd., Schaeffler Group, Covestro (Thailand) Co., Ltd. and Joy Bicycle Thailand.

The symposium is an event under the “German-Thai Railway Partnership (GTRP)”

All keynote speeches are in English; translation services to Thai are available. The event is open to the public, admission is free.

There is an event website www.smobility-bkk.com that contains a detailed schedule and speaker information.



The “Last-Mile-Problem”

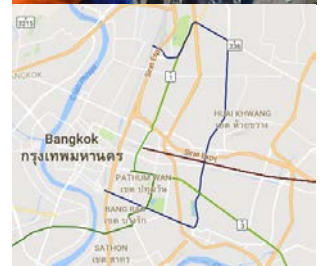
Although all modes of urban transportation (from walking over road-vehicles to rail) are considered, a focus is placed on “the last mile problem”. This term refers to the part of any travel that cannot be covered by rail-vehicles. Bangkok features transportation services in abundance to cover this “last mile”, however, the traffic congestion increases overall travel times to multiples of the time of a ride on Bangkok’s highly efficient tram systems. New solutions are sought to connect each location with the existing rail-bound traffic grids. This goal is referenced by the event’s title.

“Smart” = more benefit from investments by information technologies

The other aspect referenced by the title is the bringing together of the different industries and fields of expertise in mobility that co-exist in Thailand without a lot of exchange. For example, there are large networks of experts and profound activities in Thailand in the fields of “Rail” and “Automotive” that are yet mostly unconnected. Other fields that are relevant for mobility include “Power engineering”, “Urban Planning”, “Information Technology”, “Business and Employment” and “Social Studies”. The symposium aims at bridging these networks to allow for a system-view and radically new approaches for Bangkok’s traffic, considering its unique character with multi-modal mobility and countless job opportunities.

The “Smart” term generally means better efficiency by information exchange of technical systems. It is being applied on any scale from “Smart Homes” over “Smart Industry” to “Smart Cities”, and it has become feasible because of the recent maturity of technologies to integrate information technologies in mechanical systems. “Internet of Things (IoT)” refers to this approach, where the internet is used to connect technical systems over any distance, allowing for smart solutions in any context. “Industry 4.0” means the same in the context of industry.

However, before the technologies can be integrated, the people must be brought together. This is the mission of the event. “Bridging the Grids – Smart Mobility Symposium” invites any organization and individual that is interested in contributing to the field of mobility to join, regardless of the traditional segments of industry and science.



Speakers and panels

First Panel: Traffic Planning and Policy in Seoul and Bangkok

After introductions of the Minister of Transport, Arkhom Termpittayapaisith, and the German Ambassador to Thailand, HE Peter Prügel, guests from the Republic of Korea will give an overview of mobility trends and traffic policies for the city of Seoul. Prof. Hyunjune Yim, Director of the Personal Mobility Research Center, Hongik University and Prof. Keun Lee, CEO of Seoul Design Foundation have years of experience of collaborating with international Universities and industry and consulting the mayor of Seoul.

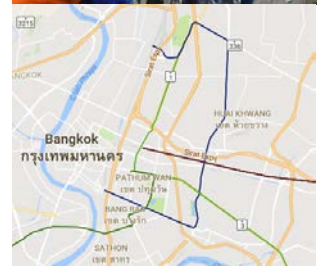
After this, Ms. Chutinthorn Mankhong, the Chief of the Sustainable Transport Promotion group, Safety Planning Bureau, Office of Transport and Traffic Policy and Planning (OTP) will give an insight into the government's work to develop mobility in Bangkok towards more efficiency and a better quality of life.

Second Panel: Industry Panel – 4 perspectives on the future of mobility

The second panel brings together four completely different industry sectors of mobility: A producer of automobiles and motorbikes, a producer of railway systems, a mobility system provider and the most well-known service provider in Ride-Hailing will propose their models of the future in mobility.

Mr. Armin Rosocha, Vice President, Rail Services Siemens Ltd. Thailand will focus his talk on the importance of Smart Data for Smart Mobility. Siemens' booth will also demonstrate that their competence is not limited to rail-systems but includes the whole of urban traffic. Mr. Lars Nielsen, Sales & Marketing Director of BMW Thailand, will give an insight into BMW's technologies of the future. BMW's booth showcases the high-performance fully-electric scooter C Evolution. Dr. Marcel Philipp Mayer, Research Center for Urban Mobility Singapore, Schaeffler Group, will report on the latest trends from Singapore. Mr. Vee Charununsiri, Head of Business Development and Public Affairs in Thailand, GRAB, will focus on two aspects of his business: the role of startups in Thailand's digital transformation journey and how the country can benefit from ride-hailing.

After their presentations, the panelists will discuss questions from the audience.



Third panel: Research and Innovation in Mobility

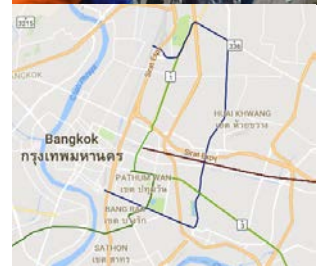
The third panel is the most diverse, featuring speakers from the Automotive Industry, German and Korean Universities and the German government based service provider GIZ that is supporting countries all over the world to achieve tailor-made and sustainable solutions. However, all presentations will focus on research-based approaches to future mobility.

Mr. Paponphanai Nanthachatchavankul, Project Manager at Transport and Climate Change Division, GIZ, will report on a project for and with the Thai Ministry of Transport to achieve “Energy Efficiency and Climate Change Mitigation in the Land Transport Sector in Thailand”. Prof. Schindler from Germany’s leading technical University RWTH Aachen, will give an overview of the latest developments in Autonomous and Cross-Linked Travel on Rail and Street. Mr. Thorsten Schrader of Pre-Development Vehicle Concepts, Audi AG Ingolstadt, Germany, will give an insight into the most advanced mobility concepts and how Audi approaches the future of the automotive by focusing on the world’s mega-cities different requirements towards mobility. Finally, Prof. Hyunjune Yim, PMRC and Hongik University, Seoul and Dr.-Ing. Alex Brezing of TGGG Bangkok and RWTH Aachen University will demonstrate how international University collaborations can systematically produce mobility concepts, including a new approach to a motorcycle Taxi for Bangkok.



Agenda

- 09:30 Opening
- 09:45 Opening words The Minister of Transport Mr. Arkhom Termpittayapaisith
- 09:55 Opening words The German Ambassador to Thailand, HE Peter Prügel
- 10:15 Overall program overview, opening of exhibition, Introduction
- 10:25 Keynote: "Urban Mobility in Seoul: Policy, Trends and the role of Design in Mobility"
Prof. Hyunjune Yim, Director of the Personal Mobility Research Center, Hongik University and Prof. Keun Lee, CEO of Seoul Design Foundation, Republic of Korea
- 11:15 Keynote: "Towards Smart Mobility for Thailand"
Ms. Chutinthorn Mankhong, Chief of Sustainable Transport Promotion group, Safety Planning Bureau, Office of Transport and Traffic Policy and Planning
- 12:00 Lunch
- 13:00 Keynote: "Smart Data as basis for Smart Mobility - Turning data into value"
Mr. Armin Rosocha, Vice President, Rail Services Thailand and Centre of Competence Asia-Pacific Mobility Division, Siemens Ltd. Thailand
- 13:25 Keynote: "BMW Technology for the Future Mobility"
Mr. Lars Nielsen, Sales & Marketing Director, BMW Thailand
- 13:50 Keynote
Dr. Marcel Philipp Mayer, Schaeffler Group, Research Center for Urban Mobility Singapore
- 14:15 Keynote: "The role of startup in Thailand's digital transformation journey and how the country can benefit from ride-hailing"
Mr. Vee Charununsiri, Head of Business Development and Public Affairs in Thailand, GRAB
- 14:40 Expert-Panel / Audience Interaction
- 15:00 Keynote: "Energy Efficiency and Climate Change Mitigation in the Land Transport Sector in Thailand"
Mr. Paponphanai Nanthachatchavankul, Project Manager at Transport and Climate Change Division, GIZ
- 15:20 Keynote: "Autonomous and Cross-Linked Travel on Rail and Street"
Prof. Dr.-Ing. Christian Schindler, Chair and Institute of Rail Vehicles and Transport Systems, RWTH Aachen
- 15:40 Keynote: "How Audi researches Mega-Cities' Individual Characters to Determine Future Vehicle Concepts"
Mr. Thorsten Schrader, Pre-Development Vehicle Concepts, Audi AG Ingolstadt, Germany



- 16:00 Keynote: "International University-Industry Collaborations for the Development of Mobility Concepts - Bangkok Motorcycle Taxi 2020"
Prof. Hyunjune Yim, PMRC and Hongik University, Seoul and Dr.-Ing. Alexander Brezing, DAAD, TGGG, RWTH Aachen University
- 16:20 Expert-Panel / Audience Interaction
- 16:40 Wrap-Up and Closing Remarks
- 16:50 Reception: Exhibition, Demonstrations and Networking
- 19:00 End of Event

Speakers



Prof. Hyunjune Yim

Director of the Personal Mobility Research Center, Hongik University, Republic of Korea



Prof. Keun Lee

CEO of Seoul Design Foundation, Republic of Korea



Ms. Chutinthorn Mankhong

Chief of Sustainable Transport Promotion group, Safety Planning Bureau, Office of Transport and Traffic Policy and Planning



Mr. Armin Rosocha

Vice President, Rail Services Thailand and Centre of Competence Asia-Pacific Mobility Division, Siemens Ltd. Thailand



Mr. Lars Nielsen

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Mr. Vee Charununsiri

Head of Business Development and Public Affairs in Thailand, GRAB



Mr. Paponphanai Nanthachatchavankul

Project Manager at Transport and Climate Change Division, GIZ



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