The 1st International Symposium on Railway System (ISRS 2014)

Dec. 18-19, 2014
2nd floor, Building 4, Faculty of Engineering
Chulalongkorn University, Bangkok, Thailand

Sponsor: IEEE Thailand Section

In-Cooperation-with: Transportation Institute, Chulalongkorn University, Thailand
Thailand Advanced Institute of Science and Technology, Thailand
Chulalongkorn University, Thailand
Waseda University, Japan

General Chair: Bundhit Eua-arpon, Chulalongkorn University, Thailand

Steering Committee Chairs: Kinji Mori, Waseda University, Japan
Member: David Banjerdpongchai, Chulalongkorn University, Thailand

Advisory Committee: Takao Nishiyama, East Japan Railway, Japan
Nakorn Chantasorn, National Science and Technology Development Agency, Thailand

Program Committee Chair: Thavatchai Tayjasanant, Chulalongkorn University, Thailand

Publicity Committee Chair: Yuriko Kawakami, Waseda University, Japan

Local Arrangement Chair: Titichaya Thanamitsomboon, Thai-Nichi Institute of Technology, Thailand

Scope

Opportunities and challenges for sustainable society and life have been steadily increasing, driven by advancement in technology, diversity in value, and transform in business and cultural-exchange in life. Unexpectedly changing society and economy demand next-generation of systems to be based on concept of system and business, user-oriented technology and culture back-grounded operation. First of all, such systems are expected in infrastructures and one of strongly expected and promoting systems is Railway System.

International Symposium on Railway System (ISRS) is held to focus not only railway system and technology but also their impact on life. At ISRS, communication and cooperation among engineers, researchers, and managers in various fields of engineering, economy and sociology are promoted.
ISRS 2014 Program

Dec. 18 (Thu), 2014

9:30-10:00  Registration
10:00-10:30  Opening:
             Bundhit Eua-arporn, General Chair (Chulalongkorn University, Thailand)
             Kinji Mori, Steering Committee Chair (Waseda University, Japan)

Introductory Remark:
Thavatchai Tayjasanant, Program Committee Chair (Chulalongkorn University, Thailand)

10:30-11:30  Keynote:
             Autonomous Decentralized System Concept, Technologies and Applications
             Kinji Mori (Waseda University, Japan)

11:30-11:45  Break

11:45-12:45  Railway Planning and Activities Related to Railway in Thailand
             Roengsak Thongsom (Office of Transport and Traffic Policy and Planning, Thailand)
             and Yiemchai Chatkeo (Science Technology and Innovation Association of Thailand, Thailand)

12:45-13:45  Lunch

13:45-14:45  JR East Group: Advanced Railway System Operation and Service
             Takeshi Omori (East Japan Railway Company, Japan)

14:45-15:00  Break

15:00-16:00  Railway Traffic Management System Technologies for Sustainable Growth of
             Public Infrastructure in accordance with Culture, Economy and Business
             Gaku Suzuki and Yuichi Yagawa (Hitachi, Ltd., Japan)

Dec. 19 (Fri), 2014

9:30-10:30  Keynote:
             Japanese Railway Requirements, System, Technologies and their Future
             Masato Iwataki (Hitachi, Ltd., Japan)

10:30-10:45  Break

10:45-11:45  Communication-based Train Control (CBTC) Principles, Technology and Application
             Thomas Godfrey and Sitha Aiyarawong (Bombardier, Thailand)

11:45-13:00  Lunch

13:00-14:00  Practical Railway Maintenance in Thailand
             Kaviphat Nuttavuthisit (VAST Consultants, Thailand)

14:00-14:15  Break

14:15-15:15  Development of Integrated Maintenance and Operations Control Systems of Rail Transportation
             Pramual Suteecharuwat (Chulalongkorn University, Thailand)

15:15-15:30  Break

15:30-15:45  Announcements of the Second ISRS:
             Kinji Mori, Steering Committee Chair (Waseda University, Japan)

15:45-16:00  Closing:
             Wanlop Surakampontorn (Thailand Advanced Institute of Science and Technology, Thailand)