



MetroExchange

Welcome to #7!

It's our 7th MetroExchange project newsletter and we have some good news to share. In this issue we write about:

Knowledge sharing

TRAS 2019

[TH] The 6th Thailand Rail Academic Symposium (TRAS) was held on 21-22nd November 2019 in Bangkok, Thailand.

This 2-day event offered a platform for exchange of knowledge, ideas and networking between Thai and international participants representing academia and industry.

2nd MetroExchange FORUM

[TH] The 2nd MetroExchange Forum dedicated to Rail Skills Development took place during the TRAS2019 conference on 21-22nd November in Bangkok. The agenda included topics about skills gaps in the ASEAN rail workforce and a review of innovation in a rail engineering education report prepared by the project team. The event shared outcomes of the project as well as offering a dialogue between academia and industry, from Thai and international perspectives.

Newsletter #7

October - December 2019

TRAS
2019



SPECIAL ISSUE: Available Online

[UK/TH] A special issue of the Urban Rail Transit Journal (Springer) focused on "Metro performance and system design" is progressing well. We have received several manuscripts from project team members and external authors, and papers are available online.



Project partners



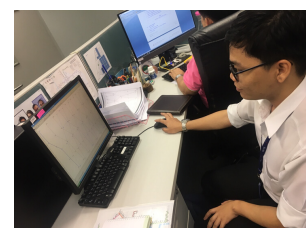
Mahidol University
Faculty of Engineering



MetroExchange is a 2-year industry-academia partnership project co-funded by Newton Fund (UK) and OHEC (Thailand) which aims to improve rail engineering education and research in Thailand by focusing on exchange of good practices in assessment of metro operations in the UK and in Thailand.

Internship Partner

[TH] With cooperation from Bangkok Mass Transit System Public Company Limited (BTS) Mr. Ratthanant Torpanya, a graduate student of Rail Transport System Engineering Course, Faculty of Engineering, Mahidol University joined the Operation Control Department for 1 month.



Education

Short Course

[TH] The second short course of the MetroExchange project took place at Mahidol University Salaya campus (TH) on 25-26th November 2019. This 2-day course - Novel Approaches and Techniques in Rolling Stock Design Course - focused on rail vehicles and was delivered by our partner from Newcastle University, Dr Cristian Ulianov.

Dr. Ulianov has a mechanical and industrial engineering background and is currently a Railway Technology Group Manager at Newcastle University. His research interests are in railway engineering, reliability and maintainability of mechanical systems, manufacturing technologies as well as composites engineering.

The course is addressed to Mahidol University undergraduate and postgraduate students and staff interested in characteristics of rail vehicles.

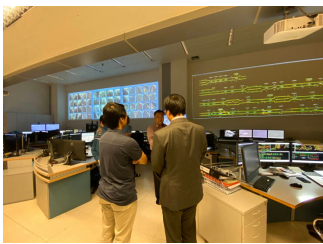


Industry Visit

[TH] MetroExchange partners visited the BTS headquarters in November 2019.

BTS delivered information about company operation services and future plan perspectives as well as updating the Bangkok metro development situation that BTS will be operating for two new monorail lines.

The discussion on digital data driving metro-operation addressed the possibilities for Bangkok metro operations. In the afternoon, the MetroExchange team visited the control room of the first Bangkok metro (Green Line) to learn the operation system and had a discussion about the metro operations differences between Bangkok and London.



[TH] On December 18, 2019, MetroExchange researchers, Dr. Waessara Weerawat and Dr. Jirapan Liangrokapart attended a project progress meeting with industry partner BTS at the company's headquarters.

MetroExchange reported the summary of overall contributions and discussed future collaboration.



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