

# CLARE

Cluster of Logistics  
and Rail Engineering

## Newsletter



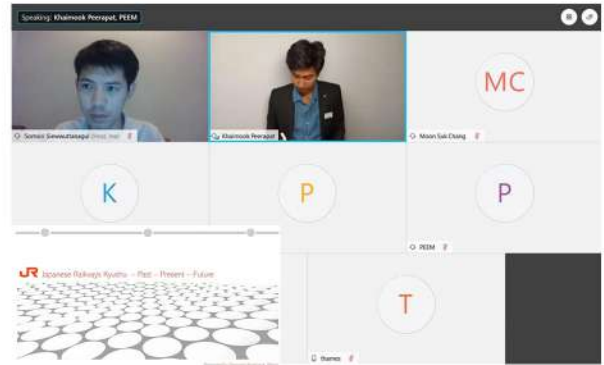
Welcome to our last newsletter for this year: CLARE would like to share our activities from the past few months. We hope you will enjoy news about our major events in this e-newsletter.

Vol.4/2020

## Events

### Sharing Knowledge and Experience from J.R. Kyushu

On 10 October 2020, Dr. Peerapat Khaimook, a structural engineer from J.R. Kyushu Consultants Company (Japan), was our Railway seminar guest lecturer. We sincerely appreciate Dr. Peerapat Khaimook for sharing his knowledge and experience with our students and lecturers.



### Course for Master's Program at CLARE

Dr. Taku Fujiyama, University College London (U.C.L.) taught a course on "Data Analytics for Metro Performance Management: Lessons Learnt from the London Underground" for Thai students and researchers via an online class on 12 October 2020. Students, researchers and lecturers joined this class to encourage the entrepreneur mindset and develop data analytics skills. We thank Ph.D. students from U.C.L. for helping us facilitate this course.



### Railway Electrification and Signalling of Thailand's Mainline Network



With cooperation from the Department of Rail Transport, Dr. Siradol Siridhara and Dr. Phumin Kirawanich from CLARE held a lecture on Railway Electrification and Signalling on 13 November 2020, at Samyan MitrTown, Bangkok.

There were two sections in the lectures. The first section was Introduction to Catenary Systems by Mr. Walter Josef Gintschel, Electrical Engineering, Friedrich-Alexander-Uni, Erlangen-Nürnberg. The second section was Fundamentals of Railway Train Control & Signalling by Mr. Ian Buffham, Signalling System Specialist, MHPM Co.,Ltd..

Presentation materials and handouts are still available for download via the following Q.R. code.

### Congratulations to our new Assistant Professor, Dr. Detcharat Sumrit

Congratulations to Dr. Detcharat Sumrit on his promotion to Assistant Professor in Industrial Engineering. Assistant Professor Dr. Detcharat Sumrit is an Associate Chairperson of the M.ENG (Logistics and Supply Chain) Program at CLARE, M.U. He specializes in Supply Chain Management, Logistics and Innovation, and Multi-Criteria Decision Making (MCDM).



# Events

**CLARE**  
Cluster of Logistics  
and Rail Engineering

## Focus Group Meeting for Developing the Curriculum

The Master of Engineering Program in Railway Transportation System program organized a meeting on 1 December 2020 about developing the curriculum. Two experts who have knowledge and experience in Railway Transportation were invited to join the meeting: Dr. Pichet Kunathamraks, D.R.T. Deputy Director-General, and Dr. Nakorn Chantason, who has over 30 years of experience working in the State Railway of Thailand (S.R.T.)



## Signing Ceremony on JDI

On 3 December 2020, the Faculty of Engineering, Mahidol University, attended the signing ceremony on the Joint Declaration of Intent to continue Thai-German Railway cooperation. The joint declaration was signed by Thailand's Transport Minister, Mr. Saksayam Chidchob, and the German Ambassador to Thailand, H.E. Mr. Georg Schmidt, at the Thai Ministry of Transport. The renewal of the Joint Declaration of Intent (JDI) underlines the intention of both countries to continue and intensify the exchange of knowledge in developing Thailand's railway system.



The Faculty of Engineering, Mahidol University, has been involved in establishing the GermanThai Railway Association (GTRA) for exchanging knowledge and driving cooperation in rail systems between the two countries. We continue to support the GTRA for developing the railway system.



## Workshop organized at CLARE Lab: Timetabling and Simulation Software

The Master of Engineering Program in Railway Transportation System program (CLARE), the Logistics Innovation Center, Faculty of Engineering, and Department of Rail Transport, organized a workshop with the topic "How to create a train timetable using railway simulation software." The event was on 7 December 2020, at the CLARE Lab.

The participants were, State Railway of Thailand, Mass Rapid Transit Authority of Thailand, S.R.T. Electrified Train, Bangkok Expressway and Metro, Bangkok Mass Transit System Public Company Limited, Eastern High-Speed Rail Linking Three Airports Co.,Ltd., the National Science and Technology Development Agency (NSTDA), and the Thailand Institute of Scientific and Technological Research.

This workshop had two parts. The first part was about planning train timetables suitable for Thailand's railway infrastructure. The second part was a workshop on using railway simulation software by Dr. Siradol Siridhara and our researchers, with special guests, Mr. Philipp Goetz and Ms. Nicole Jiamngoen from Rail System Engineering Sdn Bhd, Malaysia.



# Events

## Meeting for Improving the Management of Hospital's e-GP System

Lecturers and researchers from CLARE and the Centre of Logistics Management and Healthcare Supply Chain (LogHealth) organized a meeting about improving data management and data exchange procedure for the Hospital e-GP System. The meeting was on 4 December 2020 at the Information and Communication Technology Center, Office of the Permanent Secretary, Ministry of Public Health.

The participants were Information and Communication Technology Center, Office of the Permanent Secretary; The Comptroller General's Department, Electronic Transactions Development Agency; Digital Government Development Agency (Public Organization); Srinagarind Hospital; and Ramathibodi Hospital. This meeting was aimed at integrating hospital information systems, increasing data efficiency, reducing resource consumption, and enhancing information exchange between departments.



## Virtual Dissemination Workshop for Driving Strategies of H.R. Development in Health Supply Chain Management (HR4SCM)

CLARE and the Centre of Logistics Management and Healthcare Supply Chain (LogHealth), co-host with the Human Resource Management Division, Office of Permanent Secretary, Ministry of Public Health, held an online dissemination workshop on 24 December 2020 to present study results funded by People that Deliver (PtD), Unicef. A draft of driving strategies for Human Resource Development in Health Supply Chain Management in the Thai Health System was presented and discussed by participants. A training Masterplan for capacity building design from Training Needs Analysis (TNA) was also presented. Additionally, Human Resource Development roadmap based on results from the study was proposed in the meeting to stakeholders.

