1st Workshop on Advanced Railway Technology
第一屆先進鐵道技術研討會

Date (日期與時間): March 22nd, 2021 (Mon) 13:30~17:00 / 110 年 3 月 22 日(週一) 下午 1:30~5:00

Venue (地點): Online Meeting / 線上會議

Organizer (主辦單位): National Taiwan University, Nihon University, Sinotech Engineering Consultant, Inc. / 國立臺灣大學、日本大學、財團法人中興工程顧問社

Time	Topic / 講題	Speaker / 講者
13:30~13:35	Opening Remark	
	Session I (場次一) : Advanced Railway Monitoring and Measurement Technologies / 先進鐵道監測技術 Moderator (主持人) : Prof. Yung-Cheng LAI / 賴勇成教授	
13:35~14:00	Condition Monitoring of Track from In-Service Vehicles for Regional Railways 以營運列車設備從事軌道狀態監測	Prof. Hitoshi TSUNASHIMA / 綱島均 教授 Director, Center for Railway Research, College of Industrial Technology, Nihon University
14:00~14:25	Video-based Condition Monitoring of Railway for In-Service Train of Yilan Line 以行車紀錄影像從事軌道狀態監測	Prof. Ching-Lung LIAO / 廖慶隆 教授 Director, Railway Technology Research Center, National Taiwan University
14:25~14:50	Condition Monitoring of Wheel/Rail Contact and Running Safety in Urban Railway Curves 都市鐵道曲線輪軌接觸與運行安全之狀態監測	Prof. Akira MATSUMOTO / 松本陽 教授 Executive Researcher, Center for Railway Research, College of Industrial Technology, Nihon University
14:50~15:15	Real-time state recognition of train wheel diameter using vibration time-frequency domain data 利用振動時頻域資料進行車輪直徑即時狀態識別	Dr. Wei-Lun HSU / 許維倫 助理教授 Assistant Professor, Faculty for Systems Engineering & Naval Architecture, National Taiwan Ocean University
15:15~15:35	Break	
	Session II (場次二): Advanced Train Service and Control Technologies / 先進列車服務與控制技術 Moderator: Dr. Jyh-Cherng JONG / 鍾志成博士	
15:35~16:00	Another Strategy Aimed at Preventing Accidents - Renovation of Train Control System Intended to Reduce Interface 降低鐵路事故的另一種策略 – 列車控制系統的改造	Prof. Hideo NAKAMURA / 中村英夫 教授 Professor Emeritus, Nihon University
16:00~16:25	An Algorithm for Dynamic Seat Allocations in the 4th Generation TRA Booking System 臺鐵第四代票務系統之動態座位配售演算邏輯	Dr. Chian-Shan SUEN / 孫千山 博士 Chief, Railway Group, Sinotech Engineering Consultant, Inc.
16:25~16:50	An Algorithm to Evaluate Timetable Robustness based on Visualization of Association Rules 以視覺化關聯分析評估時刻表的穩健性	Prof. Norio TOMII / 富井規雄 教授 Deputy Director, Center for Railway Research, College of Industrial Technology, Nihon University
16:50~17:00	Closing Remark	

- 網路報名：
- 截止日期：17:00 on March 8th, 2021 / 110 年 3 月 8 日下午五點
- 名額限制：網路連線數量有限、每單位提供 2 位名額
- 備註說明：英語場次、免費參加