



3rd Asia-Pacific Conference on Complex Systems Design & Management SMART TRANSPORTATION






www.csdm-asia.net - contact@csdm-asia.net

Registration: <http://www.2018.csdm-asia.net/-Registration-.html>

PROGRAM DAY 1 – DECEMBER 6, 2018

09:30	Welcoming	Welcoming by the organizers of CSD&M Asia 2018
09:50		Welcoming by the Organizing and Program Committee Chairs
10:00		LIEW Mun Leong , Chairman, Changi Airport Group, Singapore
10:40		NGIEN Hoon Ping , Chief Executive, Land Transport Authority, Singapore
11:20		Coffee Break
11:50		Ravinder Singh , President, Electronics, ST Engineering, Singapore
12:30	Lunch	
13:30		Modelling Safe and Secure Cooperative Intelligent Transport Systems , Giedre Sabaliauskaite, Jin Cui, Lin Shen Liew and Fengjun Zhou (Singapore University of Technology and Design)
14:00		Modeling Operations of a Custom Hiring Center Using Agent Based Modeling and Discrete Event Simulation , Yatin Jayawant and Nikhil Joshi (John Deere India Pvt Ltd.)
14:30		A Net-based Formal Framework for Causal Loop Diagrams , Guillermina Cledou (HASLab INESC TEC & University of Minho, Portugal) and Shin Nakajima (National Institute of Informatics, Japan)
15:00		Modelling the Efficacy of Assurance Strategies for Better Integration, Interoperability and Information Assurance in Family-of-System-of-Systems Portfolios Keith Joiner (UNSW-Canberra), Mahmoud Efatmaneshnik (UNSW-Canberra @ ADFA), Malcom Tutty (Royal Australian Air Force) and Kate Miller (Department of Defence, Australia)
15:30	Coffee Break	
16:00		FOO Alvin , Head of Engineering, PSA, Singapore
16:40	Conclusion	Conclusion of the day by CSD&M Asia 2018 organizers

PROGRAM DAY 2 – DECEMBER 7, 2018

09:30		TAN Peng Yam , Chief Executive, Defence Science and Technology Agency, Singapore
10:10		GASTNER Michael , Professor, Yale, US - NUS College, Singapore
10:50	Coffee Break	
11:20		Journey Estimation with Smartcard Data for Land Use Planning , Alvin Chua and Songyu Wang (Urban Redevelopment Authority, Singapore)
11:50		Detection of Teamwork Behavior as Meaningful Exploration of Tradespace during Project Design Puay Siang Tan (DSTA, Singapore) and Bryan Moser (MIT, US)
12:20	Lunch	
13:30		OHKAMI Yoshiaki , Executive Advisor for Institute of System Design and Management, Keio University, Japan
14:10		Multi-class Fleet Sizing and Mobility-on-Demand Service Malika Meghjani (SMART), Scott Drew Pendleton (NUS), Katarzyna Anna Marczuk (NUS), You Hong Eng (SMART), Xiaotong Shen (SMART), Marcelo Ang (NUS) and Daniela Rus (MIT)
14:40		Leveraging Data Analytics in Systems Engineering – Towards A Quantum Leap in Railway Reliability , Thaddeus Tsang, Joyce Hong, Mun Yih Wong and Kum Fatt Ho (LTA, Singapore)
15:10		SMACOF Hierarchical Clustering to Manage Complex Design Problems with the Design Structure Matrix , Li Qiao and Mahmoud Efatmaneshnik (University of New South Wales, Canberra, Australia)
15:40		Coffee Break
16:00		A Systematic Systems Engineering Approach to Evaluate Complex Inter-Dependencies of Rapid Transit System , Ng Zhi Da (DSTA, Singapore)
16:30		GONZALEZ Martha , Associate Professor of City and Regional Planning, UC, Berkeley (US)
17:10		MORVAN Michel , President, IRT SystemX, France
17:40	Conclusion	Conclusion by the CSD&M Asia 2018 Organizers
18:00	Farewell Cocktail	