The Transportation Working Group invites you to the

27th annual INCOSE International Symposium
Adelaide, Australia
July 15 - 20, 2017

Program Highlights

Saturday, July 15
All Day
Systems Engineering Tutorials and Panels:
Capability SE Design, SE for Mostly Software SoS, MBSE sessions throughout Saturday

Corporate Advisory Board Meetings (CAB representatives only)

Sunday, July 16
All Day
Systems Engineering Tutorials and Panels:

Evening
Welcome Reception for Automotive delegates. Join automotive and ground transportation colleagues for welcome reception during happy hour at a local establishment.
RSVP for details: Allison Ruggiero, allison.ruggiero@nyct.com

Monday, July 17
15:30-16:10 Using an Agent-Based Simulation to Evaluate the Performance of Control Algorithms for an Intelligent Traffic System
John Panek

16:15-16:55 Developing an Operational Concept Framework to support government policy and regulation on Connected Autonomous Vehicles.
Richard Fullalove, Transport for New South Wales

15:30-17:00 Implementing Model-Based Conceptual Design in Transport – Practices, challenges and opportunities
Sin Hin Oh, Singapore LTA; Eric Burgers, Dutch Transport

Tuesday, July 18
08:00-09:30 Tuesday Keynote
Dr Tomohiko Taniguchi (Special adviser to the cabinet of Prime Minister Shinzo Abe)

13:30-14:55 Joint Automotive & Transportation Industry Roundtable: Connected and Automated Vehicles – Are we Kangaroos in the headlights?
&
15:30-17:30 Opening remarks from Hon. Stephen Mullighan, SA Minister for Transport and Infrastructure; Craig Moran, Roads and Maritime Services, Govt. of New South Wales; Marcus Burke, Australian National Transport Commission; Niels De Boer, CETRAN, Centre of Excellence for Testing & Research of Autonomous Vehicles at Nanyang Technological University, Carla Bailo, Mobility Research, Ohio State University; Prof. Göran Roos, Economic Development Board of South Australia; Carl Liersch, Robert Bosch Australia Pty Ltd; Robert Nilsson, Volvo Car Corporation

Evening
Joint Automotive and Transportation Dinner - Enjoy informal networking with industry colleagues at a restaurant near the Convention Center.
Must RSVP to attend: Allison Ruggiero, allison.ruggiero@nyct.com

Wednesday, July 19
08:00-09:30 Wednesday plenary - Systems Engineering and Autonomy: Opportunities and Challenges
Paul Nielsen (Director & CEO - Software Engineering Institute, Carnegie Mellon University)

Program subject to change - please check the symposium website (www.incose.org/symp2017) for any updates.
Wednesday, July 19

10:00-10:40  Your Wish, My Command – Speeding up Projects in the Transportation Industry Using Ontologies
Hugo Guillermo Chalé Gongora, Juan Llorens and Elena Gallego

10:45-11:25  Applying Systems Engineering Concepts to Rail and Transit Design-Build Infrastructure Projects
Timothy Stokes - Based on Denver RTD projects.

11:30-12:10  Realizing the Value of Systems Engineering
Richard Beasley
or
Foundations for Improved Integration - Using Systems Engineering in Programme and Project Management
Andrew Gray, Helen Nasser, Ken Richardson and Kate Rooke

13:30-14:10  The Organisation's Transportation Architecture Framework
Gary Arabian and Edward Chan, Transport for NSW

14:15-14:55  System Engineering Analysis of Construction Equipment Operation in the Latin America
Kurt Azevedo and Daniel Olsen

15:30-17:30  Transportation Industry Roundtable: Deploying SE-based Asset Management - organizational capability development case studies
Andy Nicol, Moderator; Michael Salvato, NY MTA; William Gleckler, MTA NYCT; Grant Burton, Sydney Trains; Tom Sargant, PTV

Evening

INCOSE Symposium Banquet

Thursday, July 20

08:00-09:25  Role of Systems Engineers in Engineering Resilience
Greg Parnell, Scott Jackson, Tim Ferris and Ed Pohl

or

Deploying Digital Technology to Legacy Environments
William Palazzi; Moderator; Warwick Talbot, Sydney Trains; Bradley Moorhouse, ARTC; Len Neist, PTV; Simon Foster, ONRSR

Anticipated Participating Organizations

For more information contact Transportation Working Group Co-chairs:
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