



2020
Annual **INCOSE**
international workshop
Torrance, CA, USA
January 25 - 28, 2020

Transportation

www.incose.org/IW2020

Transportation



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MEMBERS
250+

CO-CHAIRS

Dale Brown (dale.brown@hatch.com)

Allison Ruggiero (Allison.Ruggiero@nyct.com)

Denis Simpson (Denis.Simpson@jacobs.com)

INCOSE CONNECT ADDRESS



<https://connect.incose.org/WorkingGroups/Transportation/Pages/Home.aspx>

INCOSE WEB PAGE



<https://www.incose.org/incose-member-resources/working-groups/Application/transportation>

Charter Summary



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WG PURPOSE/MISSION

The Transportation Working Group (TWG) seeks to advocate for and facilitate a continuous improvement of planning and engineering decisions made within the Ground Transportation sector over the entire system life-cycle and deliver 21st Century Transportation Systems that providers and users need through the pragmatic application of Systems Engineering practice on three levels:

1) Executive - Shaping Policy & Public Sentiment 2) System - Improved Acquisition 3) Operational - Better Inform

WG GOAL(S)

- Promote and develop a community of competent Transportation SE Practitioners
- Develop papers to be presented during International Symposium and Workshops
- Develop work products facilitating SE practice tailored for Ground Transportation
- Maintain interest in SE practice through regular, periodic presentations and meetings
- Establish working relations with other professional organizations such as APTA or AREMA
- Propagate SE practice throughout disparate stakeholder groups, such as procurement, legal

WG SCOPE

Based on the approach of current industry procurement practices, Ground Transportation is effectively a subsidiary sector of Infrastructure in most large transportation projects and programs:

- Ground-based people and goods conveyance systems (moving sidewalks)
- Vertical conveyance systems (Elevators & Escalators)
- Heavy Rail (Passenger and Freight)
- Bus, Bus Rapid Transit
- Transit and Light Rail
- People-Movers, Trams, Monorails
- Roads and Highway systems
- Marine Transport Systems
- Ride share systems

IW Outcomes



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IW Outcomes

- New Charter Approval
- Review of Operating Plan
- Volunteers added to fill TWG Steering Committee gaps
- Collaboration with other WGs organized for 2020
- Discussions with IWG, CIPR, AWG, Smart Cities Initiative
- Monthly TWG meetings firmed-up
- IS2020 Planning for Capetown SA
- Overview of APTA Systems Integration Standard project

Planned Work past IW



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PLANNED ACTIVITIES

- Revised Operating Plan
- Volunteers added to fill TWG Steering Committee gaps
- Collaboration with other WGs throughout 2020
- Monthly TWG meetings each month with interesting presentations
- IS2020 Planning continues for Capetown SA
- Generate IS2020 Flyer
- Contributions to APTA Systems Integration Standard
- Contribution to Case Studies Library

PLANNED WORK PRODUCTS

- TWG Webinars
- IS2020 Flyer
- SE101 Guide Series expansion
- Case Studies Library - new case studies added
- APTA Systems Integration Standard - Collaborative Review Comments