



Transportation Working Group **Bi-Monthly Meeting**

UPDATED WITH MINUTES

October 22nd, 2015

Agenda



- General Announcements and networking 10 min
- Planning for IS16 Edinburgh 20 mins
 - Paper submissions
 - Panel submissions
 - Roundtable
 - Technical Tour
- Planning for IW16 – Los Angeles 10 mins
- Steering Committee Updates and Actions 20 mins
- Open discussion forum – topic to be chosen 30 mins

General Announcements

- IW16 – January 30th – Feb 2nd, Los Angeles
- IS16 - Edinburgh
 - Paper submission deadline – Nov 8th, 2015
 - Paper acceptance notification – Feb 2016
 - IS16 itself – Jul 18-21, 2016

General Announcements



- Overview of APTA SE subcommittee
 - Might be funding (perhaps through TRB?) for supporting
 - Group 1) Assessing state of SE practice in transit
 - IT agency personnel are often assigned as SEs
 - Smaller/mid sized rely on heritage procurement docs
 - During program, process responsibilities often on vendors but might be preferred
 - Vendors write interface docs and system acceptance docs for their own systems
 - Old SW delivery ways are a hindrance, eg FTA guidance doesn't reflect agile
 - Need data for successful vs not successful SE implementations
 - Group 2) Agency roadmap for implementing SE
 - Top down approach
 - Strong business case
 - Clear problem statement
 - Create small wins with pilot program to demonstrate value – hand pick the right people to work on it to maximize chances of success
 - Generate 'Practitioners guide'
 - Agreeing lexicon
 - Educate middle mgmt so they can answer Qs from upper mgmt
 - Can we get SE on the 'exec agenda' for the next APTA meeting
 - Can we have TWG members identify middle mgmt who can support their execs ahead of time
 - Group 3) Advocacy and outreach to senior management
 - Use TCRP and TOPS group
 - Use screening panels and nominate someone from APTA SE



General announcements

- There is an INCOSE SE conference in Southern California – SF, LA, San Diego, Central and Southern Arizona plus INCOSE student division
 - Los Angeles in April 2016
 - Call for papers out – Dec 4th 2015
 - Integration between regional mini-conference and TWG
 - Contact Jorg Largent for more details
 - Jorg.Largent@incose.org

IS16 planning

- Planning for IS16 Edinburgh
 - Paper submissions
 - Jenn Russell with Rolls Royce on Project Health and psychological aspects to analyze it
 - Oliver H – collaborating with Steve Turner on integration of SE and PM
 - Bruce Elliott – benefits of SE in rail projects
 - Jean Souza – Heard consultant about Oregon DOT Integrated Corridor Management project that used SE. **Jean** to follow-up, perhaps have them present at IW16?
 - Jorg Largent – Comparing SE between CHSR and aerospace
 - Nita – publicizing within HS2. Some interest within procurement. **Nita** to follow-up.
 - **Simon** to find Brian Berenbach’s guide to writing papers
 - NYCT requirements guideline not quite ready for paper. **Allison** to check if could be presented at IW16

IS16 planning

- Planning for IS16 Edinburgh
 - Panel submissions
 - Jenn Russell – cross industry panel, looking at requirements management in transport, energy, biotech and infrastructure. **Allison** to confirm potential NYCT participation. Possible LU, NWR or HS2?
 - Oliver H
 - V&V from the perspective of supplier (Bombardier), agency (HS2), program mgmt (CHSR), design-builder (CHSR). Infrastructure, SoS and transport
 - CIPR, Critical infrastructure protection and resiliency.
 - Roundtable
 - Technical Tour

IS16 planning

- Roundtable
 - Progressive Assurance and MBSE in a Digital Railway
 - V&V along the lifecycle. Progressively improving confidence.
 - BIM and MBSE link
 - Digital Railway – leveraging digital information
 - Network Rail - ?
 - London Underground – Kuldeep agreed
 - Bombardier – ?
 - CrossRail – **Bruce** to send names to Nita
 - **Nita** to generate first draft description and send to Simon and Dale for review/support

IS16 planning

- Technical Tour
 - Nita has contacted Andy Banks at Network Rail
 - Integrated control center for EGIP (Edinburgh-Glasgow Improvement Project)
 - Went through the Network Rail SE process
- Agreed to focus on papers, panels and roundtable for now.

IW16 planning

- Objective: produce a working product aligned with APTA SE meeting outcomes. Roadmap?
- Funding – for APTA people to attend from TWG / IOB?
- Working sessions interspersed with presentations
 - Perhaps Oregon ICM? **Jean** to check
 - Rail presentation
 - Perhaps MARTA. **Dale** to check with David Springstead
 - Perhaps LA Metro
 - Perhaps Design-Builder to talk about commissioning and how specs could be tailored to help them. SKANSKA for BART Extension? Or other transit corridors. **Vijay** to follow-up
- Next steps
 - **Dale** to confirm with David most useful APTA product
 - **Jenn** to call Anne for her perspective
 - Organizing committee: Jenn (the leader!), Jean, Simon, Dale

Other Actions

- Website
 - Jean, Jenn, Dale, Nita, Simon to review Malcolm's first draft TWG website
- Outreach
 - Jesse Glazer from FHWA expressed interest to host a webinar on use of agile within transport. Jean to contact Rhianne and Konstantinous, also contact Phyllis from INCOSE agile. Potentially Oliver could support given that he's a scrum master now 😊
- IOB actions
 - Tom to advise co-chairs when call for reviewers is released so co chairs can find TWG reviewers

Actions from Sept meeting



- IS 16 - Technical tour – Edinburgh-Glasgow railway site visit Network Rail. **Nita Rabadia** to contact Paul Davies **COMPLETE**
- IW 16 planning
 - **Simon Smith and Jenn Russell** to start IW16 planning **UNDERWAY**
 - Discuss with Anne O about APTA attendees and synergies between topics
 - APTA SE subcommittee has three initiatives underway, so can IW16 align with this?
- Formalizing relationship between APTA and INCOSE
 - David Springstead discussing with APTA
 - At the past 3-4 APTAs we've had good INCOSE attendees/promotion, so this growing
- TWG outreach
 - **Nita Rabadia and Jenn Russell** to update TWG Outreach plan to align with IOB outreach **OUTSTANDING**
- TWG Administration
 - **Malcolm Thomas** to set-up meeting on website updates, mailing list administration and what products go to which people **PARTIAL**
 - **Nita Rabadia** to have a discussion with Andrew Mark (former TWG steering committee member) **COMPLETE**
- TWG member services (webinars)
 - We have a TWG YouTube channel for TWG webinars, we have three webinars uploaded – **Konstantinos/Jenn Russell** to promote channel on LinkedIn **COMPLETE**
 - We have 14 other agreed webinars – now need to start getting these recorded and uploaded
 - Add to the list: John Gaul and Mikael presentation at APTA
 - Can we have the UK Rail Interest Group (RIG) presentations recorded and uploaded?
- Collaboration between INCOSE/TWG and Building SMART around BIM
 - **Nita Rabadia** to discuss with Paul Davies **???**
- Getting more tech reviewers for INCOSE papers
 - **Dale Brown** to identify technical reviewers for INCOSE papers **UNDERWAY**

Steering Committee Updates

1. Administration (Malcom)
2. Outreach (Jenn, Jean)
3. Industry Ambassadors (Anne, Lilanthi)
4. Member Services (David R., Rhianne)
5. UK RIG Liaison (Bruce)
6. Transit Liaison (David S.)
7. Supplier Liaison (Konstantinos)
8. Highway Liaison (Alan)

2016 TWG Steering Committee



Simon Smith
Co-chair
IBI Group, USA



Dale Brown
Co-chair
Atkins, USA



Nita Rabadia
Co-chair
Network Rail, UK



Jenn Russell
Outreach
PB, USA



Jean Souza
Outreach
Stellar Services, USA



David Rojas
Member Services NA
SF MTA, USA



Rhianne Evans
Member Services EU
University of B'ham, UK



Bruce Elliott
UK RIG liaison
Arbutus, UK



David Springstead
Transit liaison
MARTA, USA



Malcolm Thomas
Administration
PB, UK



Konstantinos Vilaetis
Supplier Liaison
NY Airbrake, USA



Alan Benson
Highway liaison
Caltrans, USA