2019
Annual **INCOSE**
international workshop
Torrance, CA, USA
January 26 - 29, 2019

Requirements

www.incose.org/iw2019

Requirements

CHAIR
Lou Wheatcraft (louw@reqexperts.com)

MEMBERS
526 (392 last IW) Largest INCOSE WG

CO-CHAIRS
Mike Ryan (M.Ryan@adfa.edu.au)

Rick Zinni (rzinni@harris.com)

Kathy Baksa (kathryn.baksa@pw.utc.com)

Jerremy Dick (gbjedi@gmail.com)

Jason Baker (Jason.Baker@deepwater.com)

INCOSE CONNECT ADDRESS

https://connect.incose.org/WorkingGroups/Requirements/Pages/Home.aspx

INCOSE WEB PAGE

https://www.incose.org/incose-member-resources/working-groups/process/requirements

Charter Summary

WG PURPOSE/MISSION

The purpose of the Requirements Working Group (RWG) is to advance the practices, education and theory of requirements development and management and the relationship of requirements to other systems engineering functions.

WG GOAL(S)

Expand and promote the body of knowledge of requirements and its benefits within the systems engineering community.

WG SCOPE

Activities relating to best practices for requirements development and management throughout the product life cycle including:

Elicitation	Analysis	Allocation	Traceability
Elaboration	Management	Change Management	
Expression	Verification	Validation	

IW Outcomes

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RWG IW2019 Theme: "The role of requirements in an MBSE world"

- Welcomed new members
- Presented an overview to the RWG "*Guide for Writing Requirements*" and the whitepaper "*Integrated Data as a Foundation of SE*".
- Developed and submitted the TPP for the new "*Guide to Developing & Managing Requirements*"
- Developed and submitted the TPP for the new "*Guide to Verification & Validation??*" in coordination with the proposed Integration, Verification, and Validation WG
- Developed and submitted the TPP for the update to "*Guide for Writing Requirements*"?
- Discussed updates to the "*Guide for Writing Requirements*"? - Mike Ryan
- Participated in joint WG meeting with the TIMLM WG on the SE Tools Database (SETDB) Tool Vendor Questionnaire
- Participated in a joint WG meeting with the Oil&Gas WG
- Facilitated several sessions: Ask the experts to address issues/questions that RWG session attendees had concerning requirements development and management
- Supported IW MarketPlace
- Hosted the following presentations & group discussions:
- "Key Insights into Developing Requirements for the 21stCentury?" – Lou Wheatcraft (MBSE Related)?
- "Augmenting Requirements with Models" – Stéphane Bonnet? (MBSE Related)
- "Managing the Risks of Requirement Uncertainty" -- Robert Bordley?
- "Applying MBSE to Reduce Development Time" – Mary Compton, Marissa Conroy, (MBSE Related)
- "Actionable Requirements Definition Using an EARS OOPM"– Brenan Hall? (MBSE Related)?
- "Requirements Efficiency: External Questionnaire Results" – Celeste Drewien? (MBSE Related)
- "Model-Based Requirements Engineering" – Jose Fuentes ?(MBSE Related)
- "Sharing Requirements – a Case Study using REQIF"?? – Ray Climacosa (MBSE Related)?
- "Managing Structured Requirement Content – Use Case" - Pawel Chadzynski?? (MBSE Related)?
- "Improving Requirement Quality using MBSE" - Matsuaki Kato? (MBSE Related)

Planned Work past IW

PLANNED ACTIVITIES

- Active participation in IS 2019
- Maintain the RWG public and Connect web sites
- Support the SE Tools Database development efforts
- Support the update to the INCOSE SE Handbook

PLANNED WORK PRODUCTS

- Publish RWG Whitepaper: "Integrated Data is a Foundation of Systems Engineering"
- Update the INCOSE "*Guide for Writing Requirements*"
- Develop draft "*Guide for Managing Requirements*"
- Develop draft "*Guide to Verification and Validation*"
- Update current webinar-based training for the *Guide for WR* with new on-demand training