



2019

Annual **INCOSE**
international workshop

Torrance, CA, USA

January 26 - 29, 2019

Agile Systems and SE

www.incose.org/iw2019

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CHAIR

Rick Dove (dove@parshift.com)

MEMBERS

195

CO-CHAIRS

Kevin Gunn (kgunn@mitre.org)

Ron Lyells (rlyells@aol.com)

Larri Rosser (Larri_Rosser@raytheon.com)

INCOSE CONNECT ADDRESS



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

INCOSE WEB PAGE



www.incose.org/ChaptersGroups/WorkingGroups/knowledge/agile-systems-se

Charter Summary



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WG PURPOSE/MISSION

Develop a body of knowledge that will inform systems engineering on how to deal with unpredictable, uncertain, and evolving environments

WG GOAL(S)

- Agile systems-engineering and agile-systems engineering fundamentals.
- Agile acquisition processes.
- Supplier Quick Reaction Capability (QRC).
- Design that can respond effectively to the pace of technology and changing user expectations.
- International engagement.

WG SCOPE

Fundamentally necessary and sufficient INCOSE-relevant architectural concepts and concept-employment principles that enable any system or process to be agile.

IW Outcomes



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IW Outcomes

- Attendance was 36 people in person and four people on line through GlobalMeet.
- All past, open, and new projects were reviewed.
- New project initiated to produce a short video on the working group, as requested by TechOps.
- New project initiated to address fundamentals for hardware development agility.
- Agreed to distribute NDIA metrics survey to the WG membership.
- Met with Telecommunications WG to review their SE guidance document and investigate possible collaborative project interests.
- Initiated planning for possible involvement in ABET undergraduate SE curriculum accreditation criteria.
- Initiated new project to work on SE Hand Book revisions in appropriate sections.
- Met with Hand Book revision editors for planning guidance.

Planned Work past IW



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PLANNED ACTIVITIES

- Joint project collaboration with NDIA working group on Continuous Iterative Development report. POC: Larri Rosser.
- Joint project collaboration with Complex Systems WG for IS2020 paper and pilot use of 2018/19 complexity management work. POC: Larri Rosser.
- Project to produce a short video on this WG was opened and will be attended to in 2019. POC: Larri Rosser.
- Evaluation of Assessment tool pilot projects for Agile SE Decision Guidance. POC: Ron Lyells.
- Agile SE Life Cycle Model (ASELCM) project will begin development of its planned INCOSE Product. POC: Rick Dove
- Hand Book revision planning to identify where/how the ASELCM project findings should influence section augmentation. POC: Rick Dove
- Discussion will occur with 15288 and related standards people to identify potential influence on standards from the ASELCM project. POC: Rick Dove.
- September INCOSE Webinar. POC: Rick Dove

PLANNED WORK PRODUCTS