



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

Systems and Software Interface

www.incose.org/IW2020

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CHAIR

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MEMBERS

12 active, 58 on mailing list

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INCOSE CONNECT ADDRESS



<https://connect.incose.org/WorkingGroups/systems%20and%20software/SitePages/Home.aspx>

INCOSE WEB PAGE



https://www.incose.org/docs/default-source/wgcharters/sysswif_wgcharter.pdf?sfvrsn=4

Charter Summary



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WG PURPOSE/MISSION

To understand, clarify, and work to resolve issues with the interface between systems and software activities that challenge our ability to engineer today's and tomorrow's systems. These interfaces include physical, logical, data, and human aspects.

WG GOAL(S)

Long-term: Develop a set of principles and/or guidance for identifying and reducing system and software engineering interface risk and misaligned development practices.

IW 2020:

- Discuss next steps for SaSIWG
- Book club based on Fairley's book: SysE of SW-Enabled Systems.
- Review of a paper for IS 2020 focused on SaSIWG issues

Review and update table of Sys/SW Unifying Asset Materials and links

Review and update table of interactions: Sys-SW and SW-Sys interactions.

WG SCOPE

Process, and methods for technical interfaces between systems and software engineering activities.

IW Outcomes



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IW Outcomes

Discussion points during the IW2020 meeting:

Activities for how this WG can help the community

Examined methods for getting the knowledge from the book SysE of SW Enabled Systems applied

Discussed new candidate deliverables:

Build an awareness campaign for the Integrated-Iterative-Incremental System Development Model

Do a stakeholder analysis and determine a target audience. Is there interest, or do we have to create a demand?

Work with the other WG"s to apply the I³ method to their problem areas.

Use a Book Club to develop knowledge and sharable information

Publishing the results of the survey and the paper for the IS.

Get more data and research.

Reviewed SaSIWS Survey Overview presentation:

Conversation on managing complexity and change in development efforts

Planned Work past IW



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PLANNED ACTIVITIES

- Tuesday meeting 8-10 am
- Review purpose of meeting and greet new attendees
- Introductions
- Review paper and slide show and get suggestions for improvement as well as suggestions for further WG activities
- Discuss book club and get additional people signed up for chapters as well as "get the word out"
- Identify activities for WG to engage in for next 6 months and goals by IS 2020
- If possible, review two tables produced last IW: Sys/SW Unifying Asset Materials and Interactions Sys-SW and SW-Sys (Greg Niemann knowledgeable).

PLANNED WORK PRODUCTS

- Book club (recorded webinars as well as slides)
- IS2020 paper on WG survey in work, assumed accepted.
- Stakeholder analysis and determine a target audience.
- Is there interest with the other Working Groups, or do we have to create a demand?