



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

# Requirements

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[www.incose.org/iw2019](http://www.incose.org/iw2019)

# Requirements



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## CHAIR

Lou Wheatcraft (louw@reqexperts.com)

## MEMBERS

492 (392 last IW)

## 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



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## 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 lifecycle including:

Elicitation	Analysis	Allocation	Traceability
Elaboration	Management	Change Management	
Expression	Verification	Validation	

# Planned Work for IW



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## **Requirements WG @ IW2019**

Sat 26 : 10:30-12:00

10:30-11:00 Closed session to discuss IW Agenda 11:00-12:00 RWG kick-off, Welcome, 2018 in review

## **Requirements WG @ IW2019**

Sat 26 : 13:00-15:00

Overview to the RWG "Guide to Writing Requirements" and whitepaper "Integrated Data as a Foundation of SE."

## **Requirements WG @ IW2019**

Sat 26 : 15:30-17:00

Insights into the Requirement Development & Management in an MBSE world - presentation & discussion (MBSE Related).

## **Requirements WG @ IW2019**

Sun 27 : 08:00-10:00

08:00-09:00 "Augmenting requirements with models" – presentation & discussion (MBSE Related) 09:00-10:00 "Managing the risks of requirement uncertainty" – presentation & discussion

## **Requirements WG @ IW2019**

Sun 27 : 10:30-12:00

Work on developing the new "Guide to Developing & Managing Requirements" - (MBSE Related)

## **Requirements WG @ IW2019**

Sun 27 : 13:00-15:00

Joint meeting with the TIMLM WG on the SE Tools Database (SETDB) Tool Vendor Questionnaire- (MBSE Related)

## **Requirements WG @ IW2019**

Sun 27 : 15:30-17:00

Joint meeting with the TIMLM WG on the SE Tools Database (SETDB) Tool Vendor Questionnaire- (MBSE Related)

# Planned Work for IW



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## Requirements WG @ IW2019

Mon 28 : 08:00-10:00

08:00-09:00 "Utilizing MBSE for Requirements Engineering and V&V Activities" – presentation & discussion (MBSE Related) 09:00-10:00 "Actionable Requirements Definition Using an EARS Opinionated Object Process Model" – presentation & discussion (MBSE Related)

## Requirements WG @ IW2019

Mon 28 : 10:30-12:00

10:30-11:30 "Requirements Efficiency: External Questionnaire Results" – presentation & discussion (MBSE Related) 11:30-12:00 Ask the experts/Other topics as they evolve

## Requirements WG @ IW2019

Mon 28 : 13:00-15:00

13:00-15:00 Joint meeting with the IV&V WG on developing the Guide to Validation & Verification

## Requirements WG @ IW2019

Mon 28 : 15:30-17:00

"Sharing requirements – a case study using REQIF" - presentation & discussion (MBSE Related)

## Requirements WG @ IW2019

Tue 29 : 08:00-10:00

Discuss updates to the "Guide for Writing Requirements"

## Requirements WG @ IW2019

Tue 29 : 10:30-12:00

10:30-11:30 "Model-Based Requirements Engineering" – presentation & discussion (MBSE Related) 11:30-12:00 Closed session update WGIS, 2019 planning

## Requirements WG @ IW2019

Tue 29 : 13:00-14:30

13:00-14:00 "Improving Requirement Quality using MBSE" - presentation & discussion (MBSE Related) 14:00-14:30 Ask the experts/Other topics as they evolve