



**2021**  
Annual **INCOSE**  
international workshop  
Virtual Event  
January 29 - 31, 2021

# Object-Oriented SE Method

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[www.incose.org/IW2021](http://www.incose.org/IW2021)

## **CHAIR**

Howard Lykins (INCOSE)

## **INCOSE WEB PAGE**



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

## **INCOSE CONNECT ADDRESS**



<https://www.incose.org/incose-member-resources/working-groups/transformational/object-oriented-se-method>

# Charter Summary



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## WG PURPOSE/MISSION

The purpose of this WG is to maintain the SysML-based Object-Oriented Systems Engineering Method. In particular:

1. Keep OOSEM up to date
2. Maintain awareness of new technology that can benefit the method
3. Develop and maintain OOSEM reference and training material

The purpose of OOSEM is to facilitate integration of systems engineering with object-oriented (OO) software engineering, and to apply OO modeling in a way that benefits the systems engineering process.

A good overview of OOSEM is available in Chapter 17 of *\_A Practical Guide to SysML\_ Third Edition*, by Sanford Friedenthal, Alan Moore and Rick Steiner.

A navigable model of the OOSEM process is available on the OOSEM WG web page

## WG GOAL(S)

1. Keep the method up to date.
2. Develop and maintain documentation and training material.

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## WG SCOPE

1. MBSE Methods (e.g., OOSEM, etc.) and Related Standards (e.g., SysML, etc.)
2. Exchange of Information Between OOSEM and Methods In Software, Hardware, Test, and Other Engineering Disciplines

## OUTCOMES (PRODUCTS/SERVICES)

Intended outcomes include method documentation and training material that will be available to INCOSE members.

# IW Outcomes



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## IW OUTCOMES

Generate interest in the method and working group.

## PLANNED ACTIVITIES AFTER IW

1. Complete a case study to be used in documentation and training material
2. Begin work on reference material.

## PLANNED WORK PRODUCTS AFTER IW

Case study to be used in method reference and training material