



**2022**  
Annual **INCOSE**  
international workshop  
**HYBRID EVENT**  
Torrance, CA, USA  
Jan 29 - Feb 1, 2022

# Object-Oriented SE Method

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[www.incose.org/IW2022](http://www.incose.org/IW2022)

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## CHAIR

Howard Lykins (howard.lykins@verizon.net)

## MEMBERS

5-10 active as of February  
2020

## INCOSE CONNECT ADDRESS



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

## INCOSE WEB PAGE



<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.

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.

## WG GOAL(S)

1. Keep the method up to date.
2. Incorporate lessons learned from using the method
3. Maintain awareness of emerging technologies (such as SysML V2)
4. 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)

# IW Outcomes



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## IW Outcomes

### PLANNED ACTIVITIES AFTER IW

- Documenting the method
- Maintaining awareness of SysML V2 development, so that the method will be ready for it when it is released
- Learning what people do and do not like about OOSEM, and formulating a To Do list.

### PLANNED WORK PRODUCTS AFTER IW

- Method documentation
- Other TBD