



Monthly Meeting and Lecture

Wednesday, 21 Sept 2022 (6:00 – 8:00 pm)

Bridging the gap between the system and software architectures using ISE&PPOOA MBSE methodology

Dr. Jose L. Fernandez

Location: This presentation is purely **VIRTUAL/ONLINE.**

An online chat questions-and-answers session will also be available. Webcast Link will be sent to Registrants

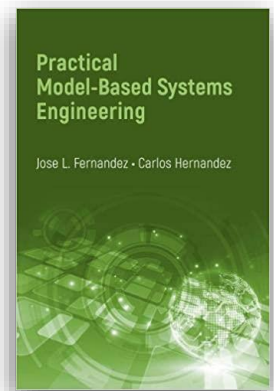
Presentation: The webinar presents an integrated systems and software engineering process named ISE&PPOOA (Integrated Systems Engineering and Pipelines of Processes in Object Oriented Architectures) where traditional functional based systems engineering is combined with MBSE using the functional paradigm to represent behavior.

The crucial step for bridging system and software architectures is the creation of the domain model of the software intensive subsystems. A domain model describes a software intensive subsystem using more formalism than merely textual requirements, for example UML class diagrams, and can be used to reason about the internal workings of the software subsystem.



Speaker: Jose L. Fernandez has a PhD in Computer Science, and an Engineering Degree in Aeronautical Engineering, both by the Universidad Politecnica de Madrid.

He has over 30 years of experience in industry, involved in projects dealing with software development and maintenance of large systems, specifically real-time systems for air traffic control, power plants, avionics and cellular phone applications. He was associate professor at the Universidad Politecnica de Madrid (UPM) until 2018.



Door Prize for this month
Practical Model-Based Systems Engineering
by Dr Fernandez and Carlos Hernandez



To be sent the Webcast Link, please register at incose-cc.eventbrite.com

Our Evening's Agenda

- 6:00 – 6:45 pm **SE Table talk**
- 6:45 – 7:00 pm **Chapter Business Meeting**
- 7:00 – 8:00 pm **LECTURE**

Search [“INCOSE Chesapeake” on YouTube](#) for all Monthly Lectures