Case Study: Achieving System Integration through Interoperability in a large System of Systems (SoS)

This webinar provides a case study on system of systems engineering (SoSE) being performed in a multi-billion-dollar program – the California High-Speed Rail System – viewed from the systems integration perspective. This webinar discusses why the subject program of projects (PoP) can be viewed as a system of systems (SoS), identifies the SoSE challenges faced, describes the SoSE activities performed, and summarizes the achieved outcomes and conclusions as of today. Specific SoSE challenges discussed include SoS authority, leadership, architecting, collaboration, integration, and emergence.

This webinar reviews how decision-making in independently operated and managed constituent systems (projects) resulted in unanticipated SoS emergent behavior, which is one of the key challenges in the engineering of SoS. This webinar further discusses the performed SoSE activities, including an international best practice review, the tailoring of SoSE to the specific SoSE challenges, and provides examples where SoSE principles are being applied to perform successful SoS integration.

Presenter:
Oliver Hoehne, PMP, CSEP - Technical Fellow at WSP USA

Oliver Hoehne is a Technical Fellow, Systems Engineering, a Project Manager, and the U.S. Global Technical Excellence Sector and Practice Lead on Systems Engineering, Communications and Control Systems for WSP, a company with 40,000+ employees in 550 offices throughout the world.

Mr. Hoehne is a Project Management Professional (PMP) and Systems Engineering Professional (CSEP) with over 20 years of extensive international and domestic experience in Software and Systems Engineering across industries, and has worked in leading Systems Engineering, Integration & Testing (SEIT) roles on several multi-billion dollar programs.

Upcoming 2020 TWG Monthly Membership Meeting & Webinar Dates

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Joining the Webinar

Please refer to the meeting notice on the next page for call-in information.

NOTE: This meeting will be recorded and uploaded onto INCOSE YouTube Channel. By participating in this meeting, you agree that your communications will be recorded at any time during the meeting.
For your meeting: **TWG Monthly Membership Meeting**

...you have been assigned the following resource: **GlobalMeet 11.**

Requesting Organization: Technical Operations: **Transportation**

Start Time: 02/20/2020 2:30:00 PM  (EST = GMT - 5)
End Time: 12/17/2020 3:30:00 PM  (EST = GMT - 5)

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**Login and Meeting Details:**

PARTICIPANT - Join as GUEST

Meeting Details Web Address:  [https://incose.pgimeet.com/INCOSE_GMEleven](https://incose.pgimeet.com/INCOSE_GMEleven)

Access Number:  1-605-475-5604
Guest Passcode:  499 423 0059

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**USA dial-in numbers:**

1-605-475-5604
1-719-457-6209

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**Link to GLOBAL LIST of dial-in numbers:**

[https://www.mymeetingroom.com/meetinginfo/callmanagement.asp?bwebid=9820041&cid=da66e6bd7e95a10d779fcej4e82df&confid=da6ee6b8d7ea5a17d779fcef4d4c82da425b&brandid=73391](https://www.mymeetingroom.com/meetinginfo/callmanagement.asp?bwebid=9820041&cid=da66e6bd7e95a10d779fcej4e82df&confid=da6ee6b8d7ea5a17d779fcef4d4c82da425b&brandid=73391)

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