SYSTEMS ENGINEERING SEMINAR SERIES

A System of Systems Approach to Automotive Challenges

"How do we plan for smart cities, electric vehicles, urbanization, car sharing, and more?

The automotive industry is facing many significant challenges that go far beyond the design and manufacturing of automobile products. Cars are no longer just standalone systems, but have become constituent systems in a larger System of Systems context.

System of Systems are defined systems of interest whose elements are managerially and operationally independent systems. This collection of systems usually produce results unachievable by the individual systems alone: for example, the use of car batteries as virtual power plants.

This lecture will cover the following:

- Discuss automotive challenges the industry is facing
- Introduce System of Systems Engineering (SoSE)
- Provide examples and case studies of SoSE
- Recommend how to address automotive challenges with SoSE

Details

Date
Wednesday, March 6

Time
12-1pm

Location
Hill Conference Room

Food
Pizza lunch provided

RSVP – Email **syse@drexel.edu** to confirm attendance

About the Presenter

Oliver Hoehne is a Technical Fellow, Systems Engineering, a Project Manager, and the US Global Technical Excellent 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 (PMP) and Systems Engineering Professional (CSEP) with over 20 years of extensive experience in Software and Systems Engineering across industries, and has worked in leading Systems Engineering, Integration & Testing roles on several multi-billion dollar programs.

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