



Christopher Davey

Manager and Senior Technical Leader for Vehicle Controls & Systems Engineering, Ford Motor Company

Place of Birth: London, England
Current Residence: Michigan, USA

“[T]he systems thinking mindset is what will maintain our country’s future competitiveness”

Domain: Automotive

Years in systems engineering: 30 years

Year joined INCOSE: 2009

Roles in INCOSE Roles: Corporate Advisory Board representative for Ford Motor Company; special project lead for “Automotive Systems Engineering Vision 2025”

What has been your most fun and/or challenging systems engineering project at Ford Motor Company?

The most exciting and rewarding project was the development and roll-out of a Model Based Systems Engineering and Design process while simultaneously applying it onto a set of complex Hybrid Electric-Vehicle Control Systems.

If you could work as a systems engineer in any industry, what would it be?

I cannot imagine a more exciting industry to be in right now than the automotive industry. The convergence of the driver assistance technologies, the mobility and connectivity solutions and the emerging fully autonomous vehicle systems make this industry a fabulous place to be a system engineer.

Describe your experience with INCOSE and your role in Vision 2025.

INCOSE provides an atmosphere where a free exchange of systems engineering ideas can take place. Its global footprint enables engineers across regions and industries to share, collaborate and imagine.

I had the opportunity to lead INCOSE’s effort to develop an automotive systems engineering Vision 2025. This experience allowed me to work with the outstanding INCOSE leadership, support teams and passionate engineers who provide their personal time to the betterment of systems engineering.

What is the first thing you’d work on if you were named lead systems engineer for the United States?

I would work on greater recognition for the systems engineer because the systems thinking mindset is what will maintain our country’s future competitiveness and maintain the possibilities of managing our environment, our health and our fragile, global eco-systems.

AN INSIDE PERSPECTIVE