

# YAPC Speakers



## KEYNOTE SPEAKER

**Steve Jakubiec | FCA Advance Development Responsible | FCA US LLC**



Steve Jakubiec was named Head of FCA North America Advanced Development Engineering in September 2014. In this role, he is responsible for all Engineering Advanced Development for System and Component Engineering. This includes Body, Chassis, Interior, Electrical, Engine Systems, Uconnect, and Scientific Labs.

Previously, Jakubiec spent three years in Torino, Italy responsible for the Design and development of all Fiat Interiors including Seats, Instrument Panels, Door Panels, and Interior Trim culminating in the launch of the Renegade and 500X.

Jakubiec joined Chrysler in June of 1984, working in various positions including Safety Systems, Interior Systems, Climate Control Systems, Vehicle Integration, and Program Management.

Jakubiec earned his undergraduate in Mechanical Engineering from Lawrence Technological University. After joining Chrysler, he obtained a Masters in Mechanical Engineering from Wayne State University.

## SPEAKERS

**Noah Goodall, Ph.D., P.E. | Research Scientist | Safety, Operations, and Traffic Engineering Virginia Center for Transportation Innovation & Research**



Noah Goodall is a research scientist with the Virginia Center for Transportation Innovation and Research in the Safety, Operations, and Traffic Engineering division.

He received his Bachelor of Science, Master of Science, and Ph.D. degrees in Civil & Environmental Engineering from the University of Virginia, and is a licensed engineer in the Commonwealth of Virginia. Previously he worked as a consultant in intelligent transportation systems in the Washington, DC region.

His current research areas are non-traditional sources of traffic information, connected vehicles, and vehicle automation policy.

**Dan Patient | Director, Automated Driving Systems (ADS) | Autoliv Electronics America**



Dan Patient is Director, Automated Driving Systems (ADS) for Autoliv Electronics America. He is responsible for engineering activities to develop advanced driver assistance systems (ADAS) and ADS solutions. The engineering team is focused on system level analysis and design.

Prior to his current company, Patient worked for 18 years in various roles to develop and implement electronic stability control systems for production. Patient started his career working on advanced braking systems including electro-mechanical, brake-by-wire, and regenerative braking systems. He is an inventor on six patents for advanced braking.

Patient received a Bachelor's of Science and a Master's of Science in Electrical Engineering, both from the University of Michigan-Ann Arbor.

**Jeremy Tuggle | Engineering Manager, System V-Model & MKC1 Technology Team Lead  
Vehicle Dynamics (VED) Systems Engineering | Continental Automotive Systems**



Jeremy Tuggle is Engineering Manager, System V-Model & MKC1 Technology Team Lead at Continental Automotive. He leads a team in the Vehicle Dynamics business unit that develops new technology vacuum-less brake systems for automotive applications in North America. His role also includes managing a team that applies the System V-model approach to Electronic Brake System development.

Tuggle joined Continental Automotive in 2002 and has held various positions including Lead Vehicle Test and Development Engineer for hybrid vehicle brake systems and Systems Engineering Supervisor. During this time he has supported projects such as the Ford Escape Hybrid, Ford Fusion Hybrid, Ford Focus Hydrogen Fuel Cell Focus, Ford CMax Hybrid, Ford Focus Battery Electric, and Chrysler Ram Hybrid. He also supports Functional Safety Management including the integration of ISO-26262 processes.

Tuggle holds a Bachelor's degree in Mechanical Engineering from Saginaw Valley State University. During his university career, Tuggle was involved in SAE Supermileage and Formula SAE which was an important part in preparing him for a career in Automotive Engineering.

**MODERATOR**

**Andrew Smart | Director of Society Programs & Industry Relations | SAE International**



Andrew Smart is the Director of Society Programs & Industry Relations and is responsible for all technical activities with the engineering community in the aerospace, automotive, and commercial vehicle sectors for SAE International and also serves as Managing Director of the SAE Industry Technologies Consortia.

He has nearly 30 years of technical, program, and management leadership experience in the automotive and commercial vehicle industries, primarily with OEM and global technical consultancies with primary focus upon propulsion system technologies.

Smart joined SAE from Ricardo, Inc. where he was Vice President, Business Development and Marketing and a member of their Executive Leadership Team. Prior to Ricardo, Smart was head of Marketing and Sales with AVL Powertrain Inc. and held senior commercial, program, and technical positions with Perkins Technology and DAF.

British-born, Smart studied Mechanical Engineering in Birmingham UK and received a B.Eng. degree, is a Chartered Engineer, a Member of the Institution of Mechanical Engineers, a Member of SAE since 1997, and is a naturalized U.S. citizen.