

OAI/SAE Webinar Bios

SAE's Counterfeit Standards Program Webinar

October 29, 2021





Jonathan joined the Aerospace Team in September 2021. Before coming to SAE Jonathan was with the General Aviation Manufacturers Association (GAMA) as Director of Airworthiness and Certification, with an international focus on avionics systems, rotorcraft, and Safety Management Systems (SMS) issues. Prior to this held positions as an Associate with Booz Allen Hamilton where he provided key support to the Federal Aviation Administration (FAA) in aviation safety, certification, and system integration expertise on FAA NextGen Air Traffic Management (ATM) and the Voluntary SMS for design and manufacturing initiatives.

Prior to this role, he served as a Systems Engineering Manager at Hawker Beechcraft Corporation, where he focused on improving engineering design and development processes. Previously, Jonathan held senior airworthiness, certification, and systems engineering positions in the United Kingdom for Raytheon Systems Ltd., Datel Defense Ltd., Marshall Aerospace Ltd., and BAE Systems.

A native of York, England, Jonathan holds a Bachelor of Engineering with honors in Engineering and Technology from Leicester Polytechnic, UK, is a Fellow of the Royal Aeronautical Society and a Program Management Professional.

Judith Ritchie – Director, Government and Industry Affairs – Aerospace – SAE International



Leads the operations of SAE International's aerospace standards activities in the Washington DC office by supporting the identification, development and promotion of aerospace standards, certification programs and cooperative research initiatives. Judith works closely with government, particularly the FAA, Department of Defense and NASA, and industry stakeholders to support the development of industry standards in new technical areas and leads on SAE's Aerospace Counterfeit, Cyber Security, and COVID-19 Safe Travel activities amongst others.

Judith joined SAE International in January 2017 and has over 30 years of experience in the Transportation field with expertise in aviation, aerospace and security. Before joining SAE, Judith worked at the UK Department for Transport in London. During her government career Judith was the Head of International Aviation Security and Head of International Aviation Relations and Strategy. She was also the First Secretary, Transport Policy at the British Embassy in Washington DC from 2009-2014.



As senior staff, Jim Creiman develops and implements regulatory and standards policies for Northrop Grumman. Jim has practiced the quality profession in government and industry for over thirty years. While working for Westinghouse and Northrop Grumman, he has received numerous company awards for excellence and leadership in manufacturing operations, supply chain quality and programs.

Jim is currently Co-Chair of the SAE International G-19 and G-21 technical committees on counterfeiting. He also volunteers for ASQ (the American Society for Quality), having served on its Board of Directors and now as Geographic Community Council Finance Officer. Jim has been awarded two academic degrees; a Bachelor of Science in Statistics from Virginia Tech and a Master of Manufacturing Engineering from Carnegie-Mellon University. Jim earned multiple ASQ certifications and is certified as a Six Sigma Black Belt by the Six Sigma Academy. Jim is happily married, with two post-teenage children, and currently resides in Pittsburgh, Pennsylvania.



Center for Advanced Life Cycle Engineering (CALCE), University of Maryland

Dr. Michael H. Azarian is a Research Scientist at the Center for Advanced Life Cycle Engineering (CALCE) at the University of Maryland. He holds a Master's and Ph.D. in Materials Science from Carnegie Mellon University, and a Bachelor's degree in Chemical Engineering from Princeton University.

His research is focused on the analysis, detection, prediction, and prevention of failures in electronic and electromechanical products. He has over 150 publications and 6 US patents on electronic packaging, component reliability, prognostics and health management, and tribology. He chairs the SAE G-19A committee on laboratory standards for counterfeit part detection, and the IEEE 1624 working group on organizational reliability capability. Prior to joining CALCE he spent over a dozen years in the disk drive and fiber optics industries.



Jim Lewis is the program manager for the Counterfeit Avoidance Accreditation Program (CAAP), a program that he started in 2014 and has continued to develop. He also manages the staff responsible for the Nadcap Aero Structure Assembly, Coatings, Elastomer Seals, Fluid Distribution Systems, Measurement and Inspection, NonDestructive Testing, and Sealants Task Group. He is also responsible for the Qualified Product Listing (QPL) programs Jim joined PRI in 2002 as an Associate Staff Engineer for Coatings and Chemical Processing and was promoted to Staff Engineer and Senior Staff Engineer, while leading the Coatings and Materials Testing Task Groups. He assumed the role of Program Manager in 2011 prior to his current role as Senior Program Manager. As part of his current duties, Jim works closely with the Management Councils of the CAAP, Nadcap, and QPL programs. He is a Qualified Auditor and works as the Staff Engineer for the EEE Parts and Distributors Task Groups in the CAAP program. He holds his Master's and Bachelor's degrees in Chemical Engineering from the University of Pittsburgh.

Jim began his engineering career as the Operations Manager for Gateway Paint Company, a small paint factory which made its own line of paints as well as private label lines for other companies. He then worked as a Research and Development Engineer at Heckett MultiServ, a steel mill services company. Jim was also a Quality Engineer for Kopp Glass which made signal lenses for use in the aerospace (aircraft and airport), traffic, railroad and other industries.

Becky Lemon – Industry Program Manager – SAE International



Rebecca Lemon is Industry Program Manager at SAE. She has 34 years of project and association management experience at SAE where she has held positions of increasing responsibility in various business units including meetings/ events, sales/marketing, ground vehicle standards, exhibits/sponsorships, and aerospace standards.

In her current role, she has responsibility for business development, program management, support service solutions, and related committee activities including aerospace standards development. Becky manages several programs including the Aerospace Engine Supplier Quality (AESQ) Strategy Group, International Aerospace Quality Group (IAQG), International Aerospace Environmental Group (IAEG) and SAE's G-23 Manufacturing Management Committee. She holds a Bachelor of Science degree in Business Administration from Robert Morris University.