33rd Annual POMS Conference, Orlando Florida, May 21-25, 2023

PLENARY SESSIONS

Monday May 22, 2023
11:30 AM – 12:20 PM: Plenary Session 1
3:30 PM – 4:20 PM: Plenary Session 2
Venue: Regency Ballroom R

Plenary Session 1

Keynote Speaker: Dr. Nada Sanders, Distinguished Professor of Supply Chain Management, Northeastern University

Title of Keynote: AI and the Future of POM Research

Abstract: The digital transformation under way for several decades was merely the predicate for the AI revolution catalyzed by the global pandemic. AI is now referred to as society's "Promethean moment." It represents such a disruptive change that it is not sufficient to change any one thing – but requires us to change everything. We have to change how we create, how we compete, how we work, learn, collaborate, and look at problems and solutions in a very different way. Organizations have changed, work has changed, and the global operating environment has changed. So too the study of production and operations management (POM) must change. But how and what should we do? Based on latest research involving CEO interviews we look at how the study of POM should evolve and what researchers need to do now.

Dr. Nada R. Sanders is an internationally recognized thought leader and expert in forecasting, operations, and supply chain management. Her expertise is identifying best practices in forecasting, developing an enterprise technology strategy, human-machine interface, and creating resilient supply chains. Throughout her career Dr. Sanders has successfully held a range of leadership roles in both academic and professional organizations and is an award-winning teacher and scholar. She is the Distinguished Professor of Supply Chain Management at the D'Amore-McKim School of Business at Northeastern University and holds a Ph.D. in Operations Management from Ohio State University.

She has authored seven books, including *The Humachine: Humankind, Machines,* and *the Future of Enterprise* (Routledge, 2020). She is also the author of *Supply Chain Management: A Global Perspective* in its 3rd edition (Wiley), and *Operations Management*, in its 8th edition. She is highly published in leading scholarly journals, including *Production and Operations Management Journal*, *Harvard Business Review, California Management Review, Journal of Operations Management*, and was ranked as World's Top 2% of Scientists in 2020 Stanford Study.

Dr. Sanders has a long and dedicated history of involvement in the *Production and Operations Management Society (POMS)*, serving in various capacities for POMS conferences and on the *Board of Directors* for well over 25 years. Her roles include *Program Chair* and *General Chair* of POMS annual conferences, President-Elect and President from 2019-2020. She was Co-Editor of *Production and Operations Management (POM)* Special Issue "Big Data Driven Supply Chain Management" and is a long-standing member of the POM Journal Editorial Board. In 2020, an award was created in her name by *Production & Operations Management Society (POMS)* in recognition of her significant contributions.

Plenary Session 2

Keynote Speaker: Scott Colloredo, Director of the Engineering Directorate at NASA's John F. Kennedy Space Center in Florida

Title of Keynote: America's Premier Spaceport: Engineering NASA in the 21st Century

Scott Colloredo is the director of the Engineering Directorate at NASA's John F. Kennedy Space Center in Florida. As director, he leads a large organization of engineers and support personnel from multiple disciplines in the design, development, and operation of spaceflight hardware and ground systems in support of programs and projects assigned to the Kennedy Space Center, including International Space Station (ISS), Commercial Crew, Launch Services, Exploration Ground Systems, Space Launch System, Orion, Exploration Research and Technology, Construction of Facilities, and Human Landing System Lander Ground Operations.

Prior to his selection as director, Scott served as the deputy director of the Engineering Directorate for six years. As deputy director, he led activities associated with all engineering products and services for several agency programs – including facilities, ground support equipment and spaceflight systems – ensuring engineering rigor and excellent product development and delivery to programmatic and project customers.

Before his appointment to the senior executive service, Colloredo was the director of the Center Planning and Development Directorate, leading the implementation of Kennedy's Master Plan and the transformation of the center from a government-only facility to a multi-user spaceport. In this role, he ensured the effective use and development of the center's land, facilities, and technical services in support of government and commercial launch activities through center land use planning, development of spaceport infrastructure and business strategies.

Previously, Colloredo served as chief architect for Kennedy's Ground Systems Development and Operations Program and led the development of the 21st Century Space Launch Complex initiative. He was responsible for conceptual design of major center assets to align the center's capabilities to meet the needs of NASA programs, commercial customers, universities, and Department of Defense users. He spearheaded concepts such as Kennedy's "clean pad" multi-use concept and advocated for the center's launch sites to be flexible, evolvable, and capable of supporting any future uses.

As a project manager, Colloredo led the development of ISS ground support equipment items that provided access, handling, and servicing and simulation capabilities to assemble and process space station elements. He led overall integration and test management at Kennedy's famed Launch Equipment Test Facility (LETF), a critical asset that qualifies time-zero umbilicals and other ground support equipment prior to launch and other flight operations.

Colloredo began his career as a NASA co-op student in 1986 in the launch accessories branch of Kennedy's Engineering Development Directorate. During his first 10 years with NASA, he worked as a design engineer, systems engineer, and as a lead designer for ground support equipment for the Space Shuttle and ISS programs.

NASA has rewarded Colloredo's service with several distinguished awards, including NASA's Presidential Rank Award, Exceptional Achievement Medal, Kennedy's Center Director Award and Certificate of Commendation, and several Kennedy Group Achievement Awards.

Colloredo earned a Bachelor of Science degree in mechanical engineering from the University of Tennessee at Knoxville in 1989. He earned a Master of Science in engineering management from the University of Central Florida in Orlando in 1994.

Colloredo resides in Cocoa Beach, Florida, with his wife, and they have two children.