2023 WORKSHOP SCHEDULE

All workshops are live / instructor lead!

31-Aug-23

Date / Time	Title	Description	Workshop Leader(s)
Monday , 9/11/2023 8:00 - 16:00	Digital Engineering From Sysml And Beyond	Focuses on digitally transforming the innovation process for enterprises, helping them achieve greater value creation and competitive survival through Digital Transformation. Various frameworks, languages, and methods to prioritize and empower innovation within organizations are introduced.	**Troy A. Peterson**, Vice President, System Strategy, Inc.; **Matthew Hause**, Principal Consultant, System Strategy, Inc.
Monday , 9/11/2023 8:00 - 16:00	Autonomy In Aerospace Workshop	Addresses the challenges and future of autonomy in aviation, exploring how it will transform vehicle design, human roles, and safe operations in an expanded airspace. Barriers to progress and discusses the necessary technology, standards/regulations, and industry practices for achieving successful autonomous flight are investigated.	**David Franks**, Standards Specialist Engineer, Aerospace, SAE International; **Kelley Hashemi**, Research Materials Engineer, NASA Airspace Operations & Safety Program; **Julien Farjon**, Chief Engineer, UAV Projects, SAFRAN; **Mark DeAngelo**, Systems Engineer - Boeing
Monday , 9/11/2023 8:00 - 17:00	Additive Manufacturing & Modeling for Aerospace	Explores the challenges and opportunities in digital engineering and manufacturing for aerospace, specifically focusing on CAD, MBSE, digital twin, and additive manufacturing. The evolving nature of these technologies and their application in creating optimized aerospace hardware are examined.	**John Clatworthy,** Aerospace Standards Specialist Engineer, SAE International; **Bill Bihlman, PhD,** President Aerolytics LLC
Wednesday , 9/13/2023 8:00 - 16:00	Supply Chain and Energy Industry Performance Benchmarking with Power BI	Offers a deep dive introduction to Microsoft's Power Platform, specifically designed for supply chain and energy industry professionals. How the tool suite manages and analyzes data from multiple systems, enabling data-driven decision-making and reducing time spent on manual reporting is showcased.	**Evan Rhodes, MBA**, Director, Client Services P3 Adaptive, a Microsoft Partner; **Adam Maxam, MBA**, Director, Client Services, P3 Adaptive, a Microsoft Partner
Friday , 9/15/2023 9:30- 16:00	Liquid Hydrogen (LH2) Systems	Focuses on the design, development, and operation of integrated liquid hydrogen (LH2) systems. Accurate and actionable information to ensure robust, high-performance, and operationally safe LH2 systems are provided. The workshop caters to the growing demand for knowledge supporting decarbonization and a sustainable future.	**Matt Moran, Founder,** Power & Propulsion Systems Founder, Moran Innovation LLC
Friday , 9/15/2023 10:00- 16:00	Microgrid Workshop	This workshop will show how aligning the deployment of electromagnetic and cyber protected microgrids for critical infrastructure with their ability to support EV and H vehicles so that the car-charging microgrids can become self -funding and possibly profit centers. The workshop will also address the supply chain issues that will ensure products are reliably sourced and domestically when possible. It will also address the workforce as a supply chain issue and bring technology innovators together with construction and infrastructure maintenance companies to ensure that the recruiting, training and certifications needed will be appropriate and timely.	**Chuck Manto**, Founder & CEO, Instant Access Networks LLC
Friday , 9/15/2023 8:00 - 16:00	High Voltage Workshop	Delves into high voltage technologies for aerospace electrified propulsion and systems with a two-fold goal: 1) Identifying near-term gaps and needs for low-altitude electrified propulsion, and developing technology building blocks, methods, tools, and certification solutions; 2) Identifying additional work required for megawatt-class electrified propulsion, considering integration, validation, testing, and space applications.	**Maricela Lizcano, PhD**, Research Materials Engineer, NASA Glenn Research Center; **Kristina Vailonis, PhD**, Research Materials Engineer, NASA Glenn Research Center **Tom Taylor,** Boeing Commercial Airplanes