## WSCR Conference 2023 At-A-Glance

Wednesday, September 13

Time	Tours					
8:15 AM - 10:30 AM	LIGO Tour Although it is considered one observatory, LIGO comprises four facilities across the United States, including one of two gravitational wave detectors (the interferometers) right in Hanford. Tour the LIGO Hanford Observatory to review its critical work in the search for gravitational waves.					
11:45 AM - 3:45 PM	The B Reactor National Historic Landmark Tour The B Reactor National Historic Landmark is the world's first full-scale plutonium production reactor and part of the Manhattan Project National Historical Park administered by the U.S. Department of Energy and the National Park Service. Learn more about the people, events, science, and engineering that led to the creation of the atomic bombs that helped bring an end to World War II.					

Thursday, September 14

Time	Room Horizon A	Room Horizon D	Room Horizon E	Tours	
8:00 AM – 12:00 PM	Tutorial 1 PLC-based Cyber Attack Defensive Programming Techniques	Tutorial 2 Automated Architectural Trade Studies	Tutorial 3 Introducing the INCOSE SE Handbook Fifth Edition	8:15 AM - 10:15 AM PNNL Energy Tour	
12:00 PM - 1:00 PM	LUNCH				
1:00 PM - 5:00 PM	Tutorial 4 System Architecture Simulation in the Loop of Multiphysics Analysis and Design	Tutorial 5 Leveraging Unified Architecture Framework (UAF) in Engineering Management	Tutorial 6 Back to Basics: Thinking Like a Systems Engineering Practitioner	1:00 PM - 3:00 PM PNNL Energy Science Center Tour	
5:00 PM	Walk/Ride to Wine Science Center				
5:30 PM - 6:30 PM	Social Event Wine Science Center (Washington State University)				

Friday, September 15

Triday, Septem	20. 20		1			1
Time	Room Horizon D	Room Horizon E		Room Horizon A		Room Horizon B
8:00 AM - 09:00 AM	Breakfast and Registration					
09:00 AM- 09:15AM	Welcome Plenary - Introduction (Horizon C)					
09:15 AM - 10:00 AM	Keynote Address: Puesh Kumar, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy (Horizon C)					
10:00 AM - 10:10 AM	Break					
10:10 AM - 11:00 AM	Case Studies Stream: Innovation A Rocket Scientist's Approach to Continuous Innovation and Improvement	Systems Engineering/Educa Stream Get Your ESEP!	tion	Cyber Security Stream Eliciting Cyber Security Go Cyber Physical System Conceptual Design	oals for s in	Operational Technology Stream Legacy System Evolution into an Enterprise
11:00 AM - 11:10 AM	Break					
11:10 AM - 12:00 PM	Case Studies Stream: Sustainability Evaluating Environmental Impacts When Designing Systems		the and for	Digital Transformation S INCOSE's Digital Transform Where We've Been, Where Going, and How We're G There	nation: e We're	Cross-Domain Solutions Stream A Demonstration of MBSEsec Applied to Securing J1939 Protocols on Heavy Vehicle Networks
12:00 AM - 1:40 PM	LUNCH AND NETWORKING					
1:40 PM - 2:30 PM	Case Studies Stream: MBSE Creating and Using Templates for MBSE Modeling in Capella	Systems Engineering/Educate Stream How Much Autonomy Is Enot Applying Systems Engineer Methodology to Autonomy Modern Systems	ugh? ing	Digital Transformation S Using the Big Pen: How to Webmaster for Your IN Chapter or Working Gr	Be the COSE	Operational Technology Stream A Tailored System Approach for a Simple System with a Complex Implementation
2:30 PM - 3:10 PM	Snack Time and Networking					
3:10 PM - 4:00 PM	Case Studies Stream: System Development Speed to Market - An Incrementa Approach to System Developmen		nd	Cyber Security Stream Digital Twin-Based Cyber Detection for Process Co Systems	Attack	Cross-Domain Solutions Stream Application of Ride-Sharing Assignment Solutions to the Weapon-Target Assignment Problem
4:30 PM	Transportation departs for Dinner					
5:30 PM - 7:00 PM	Dinner/Winery - Terra Blanca Winery					

Saturday, September 16

Time	Room Horizon D	Room Horizon E	Room Horizon A	Room Horizon B	
07:00 AM - 09:00AM	SEP Exam (Room Vista) Alternative: Morning Hike				
07:30 AM- 08:30AM	Breakfast				
08:30 AM- 08:45AM	Final Plenary - Introduction (Horizon C)				
0845 AM - 09:30AM	Keynote Address: Ian Milgate, Deputy Area Manager for the High-Level Waste Facility, Bechtel (Horizon C)				
09:30 AM - 10:00 AM	Break				
10:00 AM - 10:50 AM	Case Studies Stream: Sustainability It's Not Easy Being Green - Considering the Environment in System Development Efforts	Cross-Domain Solutions Stream How Much Autonomy is Enough? Applying Systems Engineering Methodology in Modern Systems— Open Discussion of Potential Applications of Autonomy, Rewards, and Risks	Information Communications Technology (ICT) Stream Understanding the Emergency Communications Ecosystem	Systems Engineering/Education Stream What Every Systems Engineer Should Know About Project Management	
10:50 AM - 11:00 AM	Break				
11:00 AM - 11:50 AM	Case Studies Stream: Human Factors Collaboration, Communications and Culture in Systems Engineering: a Pathway to Smoother Projects	Cross-Domain Solutions Stream SE & Photography	Information Communications Technology (ICT) Stream Introducing the Communications Primer - A Systems Engineer's Guide to Communications Networks: Modelling Networks as Systems	Systems Engineering and Agile Stream Agile Systems Engineering Requirements Analysis	
12:00 PM - 1:30 PM	Poster Sessions/Lunch/Networking Poster: Systems Engineering Design of a "Mass E" Service Station Facility Poster: In-Line Inspection Tool for Hydrogen Transmission Pipelines Poster: Re-Usable Model Elements Assist Project Management Responsibilities Poster: Succeed at your Systems Engineering Job with the Essentials Poster: A Model for Describing In-Vehicle Network Datasets (Prefunction space)				
1:30 PM - 2:15 PM	Concluding Remarks/WSRC 2024 Preview (Horizon C)				