Western States Regional Conference, 2020

The following is a preliminary program, please check back for the final schedule.

THURSDAY September 17, 2020
* Preliminary Program

Time(s)	Duration	Virtual Room		
		Mt. Rainier	**San Juan**	**Snoqualmie**
8:30 AM - 9:00 AM	30 min	*Presenter & Session Chair Orientation*	Redirect to Mt. Rainier	Redirect to Mt. Rainier
9:00 AM - 9:15 AM	15 min	Welcome Plenary - Introduction	Redirect to Mt. Rainier	Redirect to Mt. Rainier
9:15 AM - 10:15 AM	60 min	**Keynote Speaker: Christi Gau Pagnanelli, Boeing Defense, Space and Security, "Migrating to MBSE on Legacy and New Programs"**	Redirect to Mt. Rainier	Redirect to Mt. Rainier
10:15 AM - 10:30 AM	15 min	Break	Break	Break
10:30 AM - 11:15 AM	45 min	**Session Chair: Deivya Bansal Applications-35, Comparison of FDA Quality System Regulation and INCOSE Systems Engineering Handbook,** Daniel Piraino	**Session Chair: Christina Mastrangelo SEPM-5, Hardware-Inclusive DevOps: Applying DevOps Principles & Practices to Cyber-Physical System Engineering,** Bryan Smith	**Session Chair: V Jhaveri V&V-24, INCOSE's Guide to Verification and Validation: Progress, Context, and Content,** Raymond Wolfgang
11:15 AM - 12 PM	45 min	**Session Chair: Ken Preston Security-23, Sensitivity Classification of Information Assets Using Machine Learning,** Andrew Carson (do not record)	**Session Chair: Christina Mastrangelo SEPM-10, Introduction to Uncertainty Quantification and Industrial Challenges,** Gavin Jones (do not record)	**Session Chair: V Jhaveri V&V-27, Flight Test: The Ill-regarded Tail-End-Charlie of a Project,** Jorg Largent
Noon - 12:15	15 min	Break	Break	Break
12:15 - 1:15 PM	60 min	**Keynote Speaker: Eric Williams, TerraPower, "Nuclear Technology**	Redirect to Mt. Rainier	Redirect to Mt. Rainier

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		Mt. Rainier	**San Juan**	**Snoqualmie**
		Development with Systems Engineering"		
1:15 PM - 1:30 PM	15 min	Break	Break	Break
1:30 PM - 2:15 PM	45 min	**Session Chair: Frank Lacson Applications-20, Complexity of Dynamic Systems in Mining Operations,** Michael Do	**Session Chair: Christina Mastrangelo SEPM-30, Distributed, Data-centric Collaborative Information Management (DDCIM) for Project Management and SE&I,** Jennifer Devolites	**Session Chair: Rick Hefner Education-4, Systems Engineering Problem Solving for Undergraduates,** Dr. Ron Carson
2:15 PM - 3:00 PM	45 min	**Session Chair: Russell Morris Applications-7, Perspectives on the Boeing 737MAX MCAS,** Dr. Ron Carson (do not record)	**Session Chair: Christina Mastrangelo SEPM-26, Customer Analytics for Service Excellence in Systems Engineering,** Dr. Kenneth Preston	**Session Chair: Rick Hefner Education-32, The Powerful Advantages of Developing a "Failure Resume",** Tim Boyd
3:00 PM - 3:15 PM	15 min	Break	Break	Break
3:15 PM - 4:00 PM	45 min	**Session Chair: Frank Lacson Applications-36, Systems Engineering for Small and Medium Nuclear Projects,** Jared Harper	**Session Chair: Deivya Bansal MBSE-15, Model of Models Methodology,** Aleczander Jackson	**Session Chair: Rick Hefner Education-33, The Surprising Benefits of Virtualizing Traditional In-Person Training for Complex Engineering Subjects,** Tim Boyd, Rick Hefner
4:00 PM - 4:45 PM	45 min	**Session Chair: Frank Lacson Applications-3, What to do about global warming: Examining problem and solution alternatives,** Dr. Ron Carson	**Session Chair: MBSE-11, The Role of Analytics in the Digital Twin,** Gavin Jones (do not record)	**Session Chair: Rick Hefner Education-34, The Unforseen Impacts of Cognitive Bias,** Tim Boyd

FRIDAY September 18, 2020
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Time(s)	Duration	Virtual Room	
		Mt. Rainier	**San Juan**
8:30 AM - 9:00 AM	30 min	*Presenter & Session Chair Orientation*	Redirect to Mt. Rainier
9:00 AM - 9:15 AM	15 min	**Welcome Plenary - Introduction**	Redirect to Mt. Rainier
9:15 AM - 10:15 AM	60 min	**Keynote Speaker: Peter Brown, Sound Transit, "Engineering America's Most Ambitious Regional Transit Expansion"**	Redirect to Mt. Rainier
10:15 AM - 10:30 AM	15 min	Break	Break
10:30 AM - 11:15 AM	45 min	**Session Chair: Rick Hefner** **PDC: Applications-13, An Agile-Like Approach to Hardware Development: The Ejectable Data Recorder (EDR) for Orion's Ascent Abort 2 (AA-2) Test Flight,** Kristina Rojdev	**Session Chair: Christina Mastrangelo** **Tools-14, ModelCenter MBSE: The Bridge Between Systems Engineering and Multi-Fidelity Analytical Models,** Correa & Lies
11:15 AM - 12 PM	45 min	**Session Chair: Rick Hefner** **PDC: MBSE-2, Using Architecture and MBSE to Develop Validated Requirements,** Ron Carson	**Session Chair: Christina Mastrangelo** **Tools-22, How to Realign Engineering Teams for Remote Work with Minimal Disruption,** Deric Merino
Noon - 12:15	15 min	Break	Break
12:15 - 1:15 PM	60 min	**Keynote Speaker: Geoff Austin,** **UW Medical Chief Operating Officer,** **"Never Let a Good Crisis Go to Waste:** **The significant opportunities for healthcare improvement through the wake of the** **COVID-19 pandemic"**	Redirect to Mt. Rainier
1:15 PM - 1:30 PM	15 min	Break	Break
1:30 PM - 2:15 PM	45 min	**Session Chair: Rick Hefner** **PDC: MBSE-29, Transitioning Legacy Systems to Model-based Systems Engineering,** Paul White	**Session Chair: Morgan Nicholson** **Tools/MBSE-8, Early System V&V Using SysML Simulation,** Saulius Pavalkis
2:15 PM - 3:00 PM	45 min	**Session Chair: Rick Hefner** **PDC: Applications-6, On Track to Sounder Requirements at Sound Transit - A Light Rail Vehicle case study,** Scott & Rubin	**Session Chair: Deivya Bansal** **MBSE-9, A Model-Based Approach for System Verification and Validation,** Raymond Wolfgang
3:00 PM - 3:15 PM	15 min	Break	Break

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		Mt. Rainier	**San Juan**
3:15 PM - 4:00 PM	45 min	**Session Chair: Rick Hefner** **PDC: Security-25, Systems Engineering and the Insider Threat Problem,** Carson & Kaleta (do not record)	**Session Chair: Morgan Nicholson** **MBSE-19, The Future of Performance Design with MBSE: Electric Powertrain Example,** Saulius Pavalkis
4:00 PM - 4:45 PM	45 min	**Session Chair: Russell Morris** **PDC: Education-31, Equipping Tomorrow's Systems Engineering Workforce,** Rick Hefner	**Session Chair: Morgan Nicholson** **MBSE-21, Model Based Systems Engineering to Architecting Production System – A Pathfinder for Human System Integration,** St. Pierre & Chan

SATURDAY September 19, 2020

* Preliminary Program

Time(s)	Duration	Virtual Room	
		Mt. Rainier	**San Juan**
7:30 AM - 8:00 AM	30 min	*Presenter Orientation*	Redirect to Mt. Rainier
8:00 AM - noon	4 hours	**Tutorial-1, Ron Carson, "Correcting Misperceptions of Systems Engineering Practices"**	

SATURDAY September 19, 2020
* Preliminary Program

Time(s)	Duration	Virtual Room	
		Mt. Rainier	**San Juan**
			Tutorial-16, Daniel Cobb, "DE/MBSE for Management Training" **(do not record)**
noon - 12:30 PM	30 min	Break	Break
12:30 PM - 4:30 PM	4 hours	**Tutorial-12, Mark Sampson, "Systems Engineering MBSE implementation in your organization"**	**Tutorial-28, Al Hoheb, "Model-Based Capabilities Assessment Workshop" (2 hours)**