Start Time	End Time	White Pines North (51 People)		White Pines South (51 People)		Maple (31 People)		Willow (12-15 People)	
7:45 AM	8:00 AM					Presenter Briefing			
8:00 AM	8:30 AM	Continental Breakfast							
8:30 AM	9:00 AM	Randall Iliff - Keynote							
9:00 AM	9:45 AM	Randall Iliff	IceCube as an Engineering Case Study	Andrew Mueller	Aeronautical Decision Making for Engineers	Raymond Jorgensen	Architecting Fundamentals: Integrated Modular Solution Architectures	Edward Devilliers, Shahram Sarkani, and Thomas Mazzuhi	Using Cost as a Key Parameter for Operational Requirements Generation of DoD Weapon Systems
9:45 AM	10:30 AM	Randall Iliff	Powerful New Ways to Apply the n-Squared Diagram on Commercial Systems Engineering Projects	Greg Gorman and Michelle Specht	Tackling the increasing complexity of systems lifecycle data	Raymond Jorgensen	Challenges in Engineering Complex Systems: INCOSE SE Vision 2020 and Beyond	Jayneel Patel, Dr. Shahram Sarkani, and Dr. Thomas Mazzuchi	Multi-objective Design Methodology Using Time-expanded Decision Networks for Complex Cost Efficient Data Centers
10:30 AM	11:00 AM	Mid-morning Break							
11:00 AM	11:45 AM	Randall Iliff	Systems Engineering Offers the World a Different Kind of Green Innovation	Max Whitfield, Shahram Sarkani, & Thomas Mazzuchi	Dynamic Modeling of a Healthcare Knowledge Management System Identifying Social Media (CoP) as Part of the Healthcare Knowledge Ecosystem	Gary DeGregorio	Using a Decision Framework to Drive Alignment Across Critical Business and Engineering Roles	Ruma Das, Shahram Sarkani, and Thomas Mazzuchi	Software System Selection Based on Quantitative Security Risk Assessment Model
11:45 AM	12:30 PM	Bill Schindel and Troy Petersen	What We Have Learned About the Benefits of Pattern-based Systems Engineering (PBSE)	Michael Vinarcik	SYSTEMS ENGINEERING EDUCATION: INTEGRATING MINI-CASE STUDIES AND MODEL-BASED SYSTEMS ENGINEERING INTO GRADUATE STUDIES	Jim Ulmes	Making System Models Useful	Muhammad Islam, Shahram Sarkani, & Thomas Mazzuchi	A Quantitive Risk Analysis Framework for Cloud/Distributed Computing Security
12:30 PM	1:00 PM	Lunch							
1:00 PM	1:45 PM	Sponsor Presentations							

Start	End	Presenter	Title	Presenter	Title	Presenter	Title	Presenter	Title
1:45 PM	2:30 PM	Vincent Spena	Application of Agile and Lean Methods to Hardware Product Development	Dale Brown, Russell Kubycheck, & Shane Kemper	Panel Discussion on Lessons Not Learned	Karl Koenig	Prototype to Production: an alternative development cycle	Irv Badr	Managing Safety and Cyber-security in Safety Critical Systems
2:30 PM	3:15 PM	Loyd Baker	Tollgate Time Reduction Through Model-based Systems Engineering	Russell Kubycheck	Genetic Algorithm Overview	Jason Sherey and Stephen Lewis	The Systems Engineering Process as a Fractal Generator	Irv Badr	Requirements Management's Key Role in Safety Critical Industries
3:15 PM	3:45 PM	Mid-afternoon Break							
3:45 PM	4:30 PM	Steve Lindo & Kayla (Corcoran) Spata	Modeling Human Behavior for Product Development	Jacob Stadler	Effective Failure Modes and Effects Analysis (FMEA) Process	Pradeep Mendonza and John Fitch	Integrating System Models Around Decisions		
4:30 PM	5:15 PM	Chris Unger and Daniel Gannat	Requirements Management Process in a Multinational Healthcare Organization	Caleb Chidebell	Understanding the Effectiveness of Lessons Learned in Product Design	Thomas August and Bob Parro III	Innovative Requirements Management and Document Publishing Approaches Result in Dramatically Improved Cost and Schedule Across the Enterprise		
5:15 PM	6:00 PM	Pat Gustafson, Daniela Popovic, and Brian Yarger	A Requirements Management Architecture in a Multi-dimensional, Highly Regulated Product Development Environment	William Day	System-of-Systems Use Cases	Sarah Sheard and Ali Mostashari	Measuring Complexity		
6:00 PM	8:00 PM	Networking Reception							