

	GLR	RC11 - Wednesday, 11 Octob	per 2017	
Time Block (Central Time)		AiRE Ballroom Mezzanine	AiRE Ballroom 3-4	The Wright Suite
12:00 PM - 1:00PI	PM			Tutorial Registration
				Free Half-Day Tutorial from Platinum Plus Sponsor No Magic
1:00 PM - 6:00 PM 3:00 PM	M - 5:30 PM	Conference Registration	Sponsor/Exhibitor Set-Up	Executable Models: Foundations and Applications Instructor - Saulius Pavalkis
				Open to Everyone! Remote participation available. (Must Pre-Register)
6:00 PM - 7:00 PM			Welcome Reception with Sponsors/Exhibitors Presented by ICTT Systems Science	
7:00 PM			Informal Networking & Dinner on Your Own	



		GLRC11 - Thursday, 12 October 2017 - AM	
	Time Block (Central Time)	AiRE Ballroom 1-2	
	7:00 AM - 7:00 PM	Registration in AiRE Ballroom Mezzanine	
	7:00 AM - 5:00 PM	Exhibits in AiRE Ballroom 3-4	
	7:00 AM - 8:00 AM	Networking Continental Breakfast in AiRE Ballroom 3-4 with Sponsors/Exhibitors - Presented by Sysnovation	
		Day 1 Opening Plenary in AiRE Ballroom 1-2	
		8:00-8:05 - Conference Welcome - Troy Peterson, Emcee	
		8:05-9:05 - GLRC11 Keynote Presentation	
		Shaping Systems Engineering and INCOSE for the Future	
	8:00 AM - 10:00 AM	Garry Roedler, Lockheed Martin and INCOSE President-Elect	
		9:05-10:00 - Featured Presentation	
		Complex Systems in Building Automation	
		Kevin Bollom, Trane Vice President of Building Services	
	10:00 AM - 10:30 AM	Morning Networking Break in AiRE Ballroom 3-4 with Sponsors/Exhibitors - Presented by Orbital ATK	
		Invited Presentations in AiRE Ballroom 1-2	
		10:30-11:15 - Invited Presentation	
		Why is this so complex? Key soft skills to improve team dynamics across the generation	
	10:30 AM - 12:00 PM	Jill Hauwiller, Leadership Refinery Founder and Principal Consultant	
		11:15-12:00 - Invited Presentation	
		Organizational Evolution to Meet Tomorrow's System Engineering Challenges	
		Ken Zemrowski, Engility Technical Fellow	
		Andy Skotnicki, Engility Director of Systems Engineering	



	GLRC11 - Thur	sday, 12 October 2017 - PM		
Time Block (Central Time)	Runway 1-2	Runway 3-4	Wright Suite	
12:00 PM - 1:00 PM	Networking Lunch in A	AiRE Ballroom 3-4 with Sponsors/Exhibitors - Presente	ed by General Dynamics	
	Session 1 - MBSE Session Chair - Adam Wilke	Session 2 - Scaling and Innovation Session Chair - Bill Farmer	Session 3 - Case Study Session Chair - Brian Larson	
1:00 PM - 2:30 PM	1:00-1:40 - <i>Application of MBSE and SysML in Patient Workflow Modeling</i> Mohamed Elshal, Hazim El-Mounayri, and Rapeepan Promyoo	1:00-1:40 - Improving systems architecture with DSM, modularity, and a dash of network science Bobby Norton	1:00-2:25 - The Columbia Accident - Enduring Lessons From An Insider's Viewpoint Steve Cantley	
		1:45-2:25 - Scaling the Creative Enterprise with		
	1:45-2:25 - Interface Management with MBSE -	Systematic Innovation		
	from Theory to Modeling	David Quimby		
	Matthew Hause			
2:30 PM - 3:00 PM		g Break in AiRE Ballroom 3-4 with Sponsors/Exhibitor	s - Presented by Abbott	
	Session 4 - MBSE	Panel Discussion 1	Session 5 - Case Study	
	Session Chair - Brian Larson		Session Chair - Paul White	
		Systems Engineering -		
	3:00-3:40 - Convergence of MBSE and the	The Key Elements of Success	3:00-3:40 - ISO/IEC 29110 Deployment Packages	
	Product Innovation Platform		and Case Study for Systems Engineering: The	
	Pawel Chadzynski	Moderator - Sean McCoy	"Not-So-Secret" Ingredients That Power the	
3:00 PM - 4:30 PM		Panelists - David Holst, Michele Zoromski, Bobby	Standard	
	3:45-4:25 - Validating MBSE-PLM integration	Norton, and James Hummel	Angela Robinson, Gael Blondelle,	
	through automatic generation of Systems		and Ronald Houde	
	Requirements Document	3:00-3:30 - Position Statements		
	Rajat Gupta, Hazim El-Mounayri,	3:30-4:25 - Audience Discussions	3:45-4:25 - 20 Million Leagues Under The Sea of	
	and Shuning Li		Stars: The NeMO Orbiter Modeling Project	
5 00 DNA - 7 00 DNA	P	O CTEAN De constitution de AIDE Delles et a	Michael Vinarcik	
5:00 PM - 7:00 PM	Pre-Banquet Rec	ception & STEM Demonstrations in AiRE Ballroom 3	-4 and iviezzanine	
	Conference Banquet in AiRE Ballroom 1-2 - Presented by No Magic			
	Banquet Welcome - Troy Peterson, Emcee			
7:00 PM - 9:30 PM	Dinner			
	Banquet Featured Entertainment - Comedy Sportz Competition			
	Dessert and Networking			



Time Block (Central Time)	PDD Satellite Sites	AiRE Ballroom 1-2	Runway 3-4	Wright Suite			
7:00 AM - Noon			Registration in AiRE Ballroom Mezzanine				
7:00 AM - 4:00 PM	N/A		Exhibits in AiRE Ballroom 3-4				
7:00 AM - 8:00 AM	1	Networking Continental Breakfast in AiRE Ballroom 3-4 with Sponsors/Exhibitors - Presented by Rolls Royce					
	Satellite Sites	SE PDD Opening Plenary in AiRE Ballroom 1-2					
		8:00-8:15 - Announcements and Recognition of Satellite Sites - Troy Peterson, Emcee					
	Systems Engineering	8:15-8:30 - SE-PDD Introduction - Troy Peterson, Emcee					
8:00 AM - 8:30 AM	Professional Development						
	Day (SE PDD) Welcome						
	Broadcast of Opening Plenary						
	Satellite Sites	Session 6 - SE Fundamentals	Session 7 - Forward Thinking	Session 8 - Safety			
		Session Chair - Adam Wilke	Session Chair - Bill Farmer	Session Chair - Michele Zoromski			
	SE PDD Presentations						
		8:30-9:10 - Back to Basics: The Alphabet Soup	8:30-9:10 - Creating a Systems Literate World	8:30-9:10 - Arguing Software Safety: An			
8:30 AM - 10:00 AM	Broadcast of Session 6	of Systems Engineering Development Models	Peter Tuddenham	Alternative to Safety Cases			
8.30 AIVI - 10.00 AIVI	SE Fundamentals	David Walden		David Gelperin			
		0.45.0.55	9:15-9:55 - Big Data, Small Data, the Digital	0.45.0.55			
		9:15-9:55 - INCOSE's Transformation Strategic	Thread, and PLE: Leveraging Existing Assets	9:15-9:55 - Proving Correctness of Safety-			
		Objective	Using S*Metadata	Critical Software			
		Troy Peterson	William Schindel	Brian R Larson			
10:00 AM - 10:30 AM	Morning Networking Break	Morning Networking Break	in AiRE Ballroom 3-4 with Sponsors/Exhibitors - Pre	esented by Oshkosh Defense			
	Satellite Sites	Session 9 - SE Risk Analysis	Panel Discussion 2	Session 10 - New Perspectives			
		Session Chair - Brian Larson		Session Chair - Kendra Kreutz			
	SE PDD Presentations		Here Be Dragons:				
		10:30-11:10 - What Every SE and PM Needs to	The Uncharted Waters of MBSE	10:30-11:10 - Transitioning into a Process-			
	Broadcast of Session 9	Know About the Update to International Risk		based Systems Engineering Organization			
40 20 484 42 00 584	SE Risk Analysis	Management Standard INCOSE/IEC/IEEE 16085	Moderator - Michael Vinarcik	Paul White			
10:30 AM - 12:00 PM		Jack Stein, Mary Beth Chrisses,	Panelists - David Long, Dave Walden, Eric				
		and Paul Heininger	Alexander, Matthew Hause, and James Hummell	11:15-11:55 - System Verification and			
		44.5.44.55.04.51.1.1.1.1	40 20 44 00 B	Validation of Complex Systems			
		11:15-11:55 - Cyber-Physical Systems	10:30-11:00 - Position Statements	Mike Tank			
		Engineering Mission Risk Analysis	11:00-11:55 - Audience Discussions				
		David Flanigan					



		GLRC11 - Friday, 13 O	ctober 2017 - PM			
Time Block (Central Time)	PDD Satellite Sites	AiRE Ballroom 1-2	Runway 3-4	Wright Suite		
12:00 PM - 1:00 PM	Lunch	Networking Lunch in	AiRE Ballroom 3-4 with Sponsors/Exhibitors - Prese	ented by BAE Systems		
	Satellite Site		Post-Luncheon Presentations in AiRE Ballroom 1-2	2		
	SE PDD Presentations	1	:00-1:15 - Platinum Plus Sponsor Address - No Mag	gic		
1:00 PM - 2:00 PM	Broadcast of Presentations	1:15-1:55 - Sigma Theta Mu Lecture				
			Reimagining Systems Engineering			
			David Long, Vitech and INCOSE Past-President			
	Satellite Site	Session 11 - Advanced SE Topics	Panel Discussion 3	Session 12 - Complex Systems		
	SE PDD Presentations	Session Chair - Dave Walden		Session Chair - Paul White		
			Accelerating Innovation Effectiveness: New			
	Broadcast of Session 11	2:00-2:40 - Learning from Nature's Methods of	Collaboration Roles for Engineering Societies	2:00-2:40 - Complex Technology Trends Affecting		
	Advanced SE Topics	System Architecting and Engineering	and Regulators	Complex Systems		
		John Gill		Sean McCoy		
2:00 PM - 3:30 PM			Moderator - William Schindel			
		2:45-3:25 - Risk Analysis of Medical Device	Panelists - Marian Heller	2:45-3:25 - Fundamentals of Complex System		
		System of Systems	Garry Roedler, Logen Johnson,	Sustainment		
		Rand Whillock, John Hatcliff, and Paul Jones	Kristen Gerzina	Charles Vono		
			2:00 - 2:30 - Position Statements			
			2:30 - 3:25 - Audience Discussions			
3:30 PM - 4:00 PM			Break in AiRE Ballroom 3-4 with Sponsors/Exhibito	·		
	Satellite Site	Session 13 - Advanced SE Topics	Session 14 - Beyond Systems Engineering	Session 15 - Systems Engineering in Practice		
	SE PDD Presentations	Session Chair - Adam Wilke	Session Chair - Bill Farmer	Session Chair - Michele Zoromski		
	Drandenst of Cassian 12	4.00 4.40 Systems Engineering Vous MRSE	4.00 4.40 Integrating Systems Engineering 8	4.00 4.40 Priving Systems Engineering Agrees		
	Broadcast of Session 13 Advanced SE Topics	4:00-4:40 - Systems Engineering Your MBSE	4:00-4:40 - Integrating Systems Engineering &	4:00-4:40 - Driving Systems Engineering Across a Product Line		
	Advanced 3L Topics	Deployment David Long	Project Management: Using Systems Engineering Artifacts for Better Inform Earned	Enanga Fale		
4:00 PM - 5:30 PM		Buvia Long	Value Management	Litaliga i die		
		4:45-5:25 - Feature-based Systems & Software	Gordon Kranz and David Walden	4:45-5:25 - Method for the Impact Assessment of		
		Product Line Engineering: Industry Trends and		Interdisciplinary Requirement or Component		
		the INCOSE ISO Standards Initiative	4:45-5:25 - Industry 4.0, Systems Engineering,	Changes Evaluated on a Tractor's Steering		
		Charles Krueger	and V4I	System		
			Randall Russell	Dr. Christian von Holst and Arne Hoffman		
	Satellite Site	Da	y 2 & SE-PDD Closing Plenary in the AiRE Ballroom	1-2		
5:30 PM - 6:00 PM	SE PDD Presentations	5:30-5:40 - Announcements and Recognitions - Troy Peterson, Emcee				
3.33 . 111 0.30 ! 111		5:40-5:50 - GLRC12 Preview - William Schindel, INCOSE Crossroads of America Chapter President				
	Broadcast of Closing Plenary					
4:00 PM - 6:00 PM		•	tor Tear-Down in AiRE Ballroom 3-4	th form that I		
6:30 PM		Depart or Informal Networking & Dinner on	Your Own or Optional Brewery Tour (via Light Ra	ii) from Hotel		



Time Block (Central Time)	Apollo Terrace	Earhart	Orville	Wilbur
7:00 AM - 1:00 PM				William
7:00 AM - 8:30 AM	Breakfast on Your Own	Breakfast on Your Own	Breakfast on Your Own	Breakfast on Your Own
7.00 AIVI - 8.30 AIVI				
	Full Day Workshop	Full Day Tutorial	Half Day Tutorial	INCOSE CSEP/ASEP Exam
	Creating a Systems Literate World	Emerging Issues in Application of Model-	Uniting the Methods of Agile	Facilitators - Mike Vinarcik
0.00.444.40.00.444	Facilitator - Peter Tuddenham	Based Systems Engineering (MBSE)	Development and Systems Engineering	and Angela Robinson
8:30 AM - 10:00 AM		Instructor - Bill Schindel	Instructor - Kelly Weyrauch	
	Open to Everyone!			Open to Everyone!
	(Must Pre-Register)	Open to Everyone!	Open to Everyone!	Free for GLRC11 attendees!
		(Must Pre-Register)	(Must Pre-Register)	Nominal fee for others.
10:00 AM - 10:30 AM		Networking Break in Runway 1-4 - Presente		(Must Pre-Register)
	Full Day Workshop	Full Day Tutorial	Half Day Tutorial	
10:30 AM - 12:00 PM	Creating a Systems Literate World	Emerging Issues in Application of Model-	Uniting the Methods of Agile	
10.30 ANT 12.00 TW	(cont.)	Based Systems Engineering (MBSE)	Development and Systems Engineering	
		(cont.)	(cont.)	
12:00 PM - 1:00 PM		Networking Lunch in Runwa	y 1-4 - Presented by Engility	
	Full Day Workshop	Full Day Tutorial	Half Day Tutorial	Half Day Tutorial
	Creating a Systems Literate World	Emerging Issues in Application of Model-	Beginners SysML Overview	Effective Communication and Analysis in
	(cont.)	Based Systems Engineering (MBSE)	Instructor - James Hummell	the Age of MBSE
1:00 PM - 2:30 PM		(cont.)		Instructor - David Long
			Open to Everyone!	
			(Must Pre-Register)	Open to Everyone!
				(Must Pre-Register)
2:30 PM - 3:00 PM	2:30 PM - 3:00 PM Afternoon Networking Break in Runway 1-4 - Presented by bb7			
	Full Day Workshop	Full Day Tutorial	Half Day Tutorial	Half Day Tutorial
2.00 DN4 4.20 DN4	Creating a Systems Literate World	Emerging Issues in Application of Model-	Beginners SysML Overview	Effective Communication and Analysis in
3:00 PM - 4:30 PM	(cont.)	Based Systems Engineering (MBSE)	(cont.)	the Age of MBSE
		(cont.)		(cont.)
4:30 PM	Depart or Informal Networking & Dinner on Your Own			