Updated 9/18/2024

Thur., 9/19/24 Tutorials

Speaker Ready Room: 135

111411, 5, 25, 21	idi., 5/15/24 Tutonais Speaker Ready Noom. 155						
Start Time	End Time	Duration	Room 104	Room 106	Room 111	Room 113	
7:00 AM	8:00 AM	1:00	Breakfast and Registration				
8:00 AM	12:00 PM	4:00	Tutorial 1: (#33) [Ann	Tutorial 3: (#28) [Brian	Tutorial 4: (#24) [Saulius	Tutorial 6: (#16) [Rick	
			Hodges] Use a	Pepper] Risk, Safety, and	Pavalkis] Integrating	Hefner] Mastering Your	
			Framework for SE in	Reliability Analysis in	System Architecture in	Systems Engineering	
			Early-Stage R&D to Build	Model Based System	SysML with Hardware for	Competencies	
			Your Bridge that Spans	Engineering	Rapid Prototyping and		
			the Chasm Between		Validation and		
			Research and		Verification		
			Engineering				
12:00 PM	1:00 PM	1:00	Lunch				
1:00 PM	5:00 PM	4:00	Tutorial 2: (#12)	Tutorial 3: (#28) [Brian	Tutorial 5: (#5) [Sarah	Tutorial 7: (#15) [Rick	
			[Stephane Lacrampe]	Pepper] Risk, Safety, and	Rudder] Understanding	Hefner] Requirements: A	
			Navigating the Future:	Reliability Analysis in	and Applying the	Comprehensive	
			Exploring SysML V2 with	Model Based System	Comprehensive System	Overview	
			SysON - A Hands-On	Engineering	Design Language (CSDL)		
			Tutorial				
5:00 PM			Depart for Welcome Reception at Gruet				

Fri., 9/20/24 Presentations Speaker Ready Room: 135

Fri., 9/20/24 Pr	resentations		Speaker Ready Room: 13	5			
Start Time	End Time	Duration	Room 104	Room 106	Room 111	Room 113	
7:00 AM	8:00 AM	1:00			d Registration		
8:00 AM	8:15 AM	0:15	Welcome Plenary - Introduction Room 101/103				
8:15 AM	8:45 AM	0:30		Keynote Address			
8:45 AM	9:05 AM	0:20	Break				
9:05 AM	9:55 AM	0:50	Digital Transformation	Technical Management	Cyber Security Stream:	SE & Agile Stream: (#47)	
			Stream: (#11) [Stephane	Stream: (#20) [Ricardo	(#37) [Susan Ronning]	[Rick Dove] Systems	
			Lacrampe] Realizing the	Reyna and Steve Simske]		Engineering Agility –	
			potential of SysML V2	Enhancing Onboarding in	Systems Engineering	Guide Book Foundations	
			with SysON: the	QA Teams: Object	against CISA's Secure by	for Systems Engineers	
			Fundamental Role of	Detection Approach for	Design (SbD) and DOE's		
			Open-Source for	Test Case Generation in	Cyber Informed		
			Enabling the Digital	Exploratory Testing	Engineering (CIE)		
			Engineering				
			Transformation				
9:55 AM	10:45 AM	0:50	Digital Transformation	Technical Management	Systems Reliability &	Cross-Domain Solutions	
			Stream: (#18) [Stephen	Stream: (#21) [Sean	Resiliency Stream: (#4)	Stream: (#38) [Paul Havis	
			Guine] Digital	Densford and Chris Klotz]		and Steven	
			Transformation	Strategies and Best	Designing Affordable	Simske] Systems	
			Challenges: Real-World	Practices for Managing	Resilient Systems	engineering and systems	
			Observations and	Complex System		thinking to implement a	
			Mitigations	Architectures		Crisis Intervention Team	
10.15.11		0.10				in a rural town	
10:45 AM	10:55 AM	0:10	Divisit Control		eak	0 0 0 1 11	
10:55 AM	11:45 AM	0:50	Digital Transformation	Technical Management	Systems Reliability &	Cross-Domain Solutions	
			Stream: (#25) [Saulius	Stream: (#9) [David	Resiliency Stream: (#49)	Stream: (#57) [Casey	
			Pavalkis] MBSE Digital	Shostak] Leading and	[Ryan Aalund and	Medina] Addressing the	
			Engineering Ecosystem	Taking Charge of a System Engineering	Vincent Paglioni] Towards Reliable	Upstream Ecological Impacts of Engineering	
				, ,	Embedded Systems: A	Decisions	
				Traman integration ream	Review of Hardware	Decisions	
					Reliability Challenges		
11:45 AM	12:35 PM	0:50	Digital Transformation	Requirements Stream:	HSI Stream: (#56a) [Dr.	Cross-Domain Solutions	
221.07	12.00	0.00	Stream: (#30) [Caleb	(#45) [Antonio Cristiano	Cheryl Bolstad] Human	Stream: (#36) [Sian	
			Schmidt, Tom Paterson,	and Ernesto Barone	Systems Integration and	Terry Mission Assurance	
			Michael Schmidt and	Optimization of	Its Role in Systems	and the Enterprise	
			Steven Simske] Digital	Requirements	Engineering	Lifecycle: A Systems	
			Twins Platform Systems	Management for		Thinking Approach	
			Engineering to Optimize	complex Systems: An			
			Astronaut Physiology	Innovative Approach			
			During Human Space	with Product Classes and			
			Exploration	Attribute			
12:35 PM	1:35 PM	1:00		Lunch and	Networking		
1:35 PM	2:25 PM	0:50	Digital Transformation	Requirements Stream:	Systems Reliability &	SE/Education Stream:	
			Stream: (#41) [Frank		Resiliency Stream: (#27)	(#8) [Paul White and	
			Salvatore] Digital	Steve Simske]	[John Brtis] Justifying	Nicole Falkenberg]	
			Engineering Tool	Integration of System	Resilience	Systems Engineering	
			Evaluation Criteria	Data Requirements in		Innovation Through	
			Template (DETECT))	Stuttering-Aware Speech		Higher Education	
			Selection and SysML v2	Recognition Systems			
			Transition Guidance				

2:25 PM	3:15 PM		Al Opportunities & Risks Stream: (#13) [Rick Hefner] Leveraging Al for Enhanced Systems Engineering	Requirements Stream: (#42) [Afia Rahman] Adaptation Requirements for Department of Defense Contracts: A Systems Engineering Perspective	Cyber Security Stream: (#34) [Kelvin Shorts and Steve Simske] Overcoming Barriers to Smart Home IoT Security: The Impact of Manufacturer Guidance on the application of User-controlled security features	SE/Education Stream: (#39) [Marco Rosa] Effective Integration of Diverse Engineering Competencies In the Development of Complex STEM (Science, Technology, Engineering, or Mathematics) Projects: Optimizing Efforts and Investments in Student-Led Research
3:15 PM	3:35 PM	0:20		Drook and	Notworking	Projects
3:15 PM	4:25 PM		AI Opportunities & Risks	Requirements Stream:	Networking Security Stream: (#48)	Technical Management
3:35 PIMI	4:25 PIVI		Stream: (#19) [Nathaniel Brown and Steven Simske] Detecting Defects in Sequential Inputs to Digital Twins Using Machine Learning	(#55) [Jim Adams] Space Mission Engineering using Innoslate(R) with example mission	[Rick Dove] Toward an Anti-Security Security Primer for Systems Engineers	Stream: (#35) [Thomas Duerr] Rapid Risk Management
4:25 PM	5:15 PM		Al Opportunities & Risks Stream: (#52) [Jennifer Giang and Steven Simske] Examining The Impact of Prompting GAI: A Comparative Analysis of Testing Strategy	Technical Management Stream: (#71a) [Raymond Wolfgang] Improve your Value Chain with Systems Engineering	Operational Technology Stream: (#17) [Dennis Shen, Hadi Malik and Michael Topolski] Model Based Document Generation	Technical Management Stream: (#10) [Vincil Bishop and Steven Simske] Time-Delta Method for Measuring Software Development Contribution Rates
5:15 PM			Depart for Dinner			

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Sat., 9/21/24 Presentations & SEP Exam Speaker Ready Room: 135

Sat., 9/21/24 Presentations & SEP Exam Speaker Ready Room: 135							
Start Time	End Time	Duration	Room 104	Room 106	Room 111	Room 113	
7:00 AM	8:00 AM	1:00		Breakfast			
8:00 AM	8:05 AM	0:05		Final Plenary - Introduction Room 101/103			
8:05 AM	8:45 AM	0:40		Keynote Address			
8:45 AM	9:00 AM	0:15	Break			SEP Exam checkin	
9:00 AM	9:50 AM	0:50	Modeling Stream: (#2)	Modeling Stream: (#58)	Case Study Stream: (#60)		
			[Jamie Smith] Applying	[Teddy Nyambe and	[Pieter Kotze] Systems		
			Formal Methods to	Jeremy Daily] Ultimate	engineering for scientists		
			SysML Models to Prove	Track Hacking Platform	and aliens		
			Correctness and Enable	(UTHP) - Software Bill of			
			Hallucination-Free LLMs	Material (SBOM) Life			
				Cycle Modeling			
9:50 AM	10:40 AM	0:50	Modeling Stream: (#5)	Modeling Stream: (#29)	Case Study Stream: (#43)		
			[Sarah Rudder]	[Sean Densford] Data	[Randall Satterthwaite]		
			Understanding and	Markings and	Incremental MBSE:		
			Applying the	Classification in MBSE	Deliver MBSE Value	SEP Exam	
			Comprehensive System		Faster		
			Design Language (CSDL)				
10:40 AM	10:50 AM	0:10		Break	1		
10:50 AM	11:40 AM	0:50	Modeling Stream: (#6)	Modeling Stream: (#51)	Case Study Stream: (#53)		
			[Sarah Rudder] Mapping	[J. Simmons and Tony	[Artis Riepnieks and		
			CSDL to ISO 15288	Davenport] Using SysML	Kaustav Chatterjee]		
			Ontology for Model	v2 to Define an MBSE	Systems Engineering for		
			Validation	Methodology	Developing Tech		
					Standards: Lessons		
_					Learned		
11:40 AM	12:30 PM	0:50	Modeling Stream: (#26)	SE/Education Stream:	Case Study Stream: (#50)		
			[Theodor Behrens and	(#70a) [Amy Moy]	[Sanjeev Appicharla]		
			Ingo Stolpe] Enabling	INCOSE Technical	Resident Pathogens in		
			MBSE through Function-	Leadership Institute –	Systems Engineering:		
			Based Requirement	Background and My	Case Study of Accident		
			Synchronization using	Experience	Analysis of Boeing 737		
			SysML		Max-8 Crashes		
12:30 PM	2:00 PM	1:30				Closed: WSRC Steering	
12.30 PIVI	2.00 2101	1.50		Lunch		Committee Meeting	
2:00 PM	2:50 PM	0:50				SS.IIIIIttee IIIteetiilg	
			concluding hemans noom 101/103				