	Saturday at IS2025								
Start time	End time		Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	
	a, Canada		201	213	215	208	205	207	
08:00	12:00	Session A	Tutorial#149: A.1 / Open Source System Modeling with Python and Generative Al Raymond Madachy, Ryan Longshore, Ryan Bell (Naval Postgraduate School)	Tutorial#156: A.2 / Introduction to SysML v2 Sanford Friedenthal (SAF Consulting); Frank Salvatore (SAIC)	Tutorial#216: A.3 / Practical Systems Engineering: Principles and Methods for Success David Long (Blue Holon)	Tutorial#12: A.4 / Enterprise SE: A New Discipline for Transforming the Enterprise James Martin (Aerospace Corporation)	Tutorial#326: A.5 / Leading Modelling in Systems Engineering: From Modeller to Leader Duncan Kemp (Ministry of Defence); Meaghan Oneil (System Design and Strategy Ltd)	Tutorial#200: A.6 / Cybersecurity Tutorial: A Model-Base Approach to Risk Analysis and Mitigation Marco Bimbi, Martin Becker, Josh Kahn (The MathWorks)	
12:00	13:00	Lunch							
13:00	17:00	Session B	Tutorial#149: A.1 / Open Source System Modeling with Python and Generative Al Raymond Madachy, Ryan Longshore, Ryan Bell (Naval Postgraduate School)	Tutorial#156: A.2 / Introduction to SysML v2 Sanford Friedenthal (SAF Consulting); Frank Salvatore (SAIC)	Tutorial#216: A.3 / Practical Systems Engineering: Principles and Methods for Success David Long (Blue Holon)	Tutorial#170: B.4 / Fundamentals of Model-based Enterprise Systems Engineering Aurelijus Morkevicius (Dassault Systemes and Department of Information Systems Kaunas University of Technology)	Tutorial#346: B.5 / Beyond Traditional Engineering: Transformative Approaches for a Changing World Elena Gallego Palacios (Spain - AEIS)	Tutorial#113: B.6 / From Legacy to Product Lines: A hands-on journey on Product Line Engineering for Multi-Level Systems Marco Forlingieri (INCOSE PLE WG); Rachna Harsh (PTC); Davi Henrique de Sousa Pinto (Airbus); Robert Hellebrand (PTC)	

Sunday at IS2025

					Juliuay at 132023			
Start time	End time		Track 1	Track 2	Track 3	Track 4	Track 5	Track 6
	, Canada		201	213	215	208	205	207
08:00	12:00	Session C	Tutorial#241: C.1 / SysML V2 Finally in Practice: An Interactive Beginner's Tutorial Stephane Lacrampe (Obeo); , Samuel Rochet (Obeo)	Tutorial#64: C.2 / How to Use Opaque Behaviors to Simulate Model Data Sean Densford (3DS); Saulius Pavalkis (Dassault Systemes)	Tutorial#298: C.3 / Introduction to STAMP-based methods, STPA and CAST Meaghan O'Neil (INCOSE)	Tutorial#325: C.4 / Approaches and Concepts to facilitate Digital Transformation in Systems Engineering Alexander Busch (Ansys / NAFEMS INCOSE SMSWG); Alexandre Luc, Subodh Chaudhari (Ansys)	Tutorial#35: C.5 / Decision Making Strategies for Systems Engineers Ricardo Valerdi, Alejandro Salado (University of Arizona)	Tutorial#139: C.6 / Understanding and Applying the INCOSE SE Handbook Fifth Edition David Walden (Sysnovation, LLC)
12:00	13:00	Lunch				1		
13:00	17:00	Session D	Tutorial#95: D.1 / Developing Custom LLMs for Systems Engineering Ryan Bell, Raymond Madachy, Ryan Longshore (Naval Postgraduate School)	Tutorial#64: C.2 / How to Use Opaque Behaviors to Simulate Model Data Sean Densford (3DS); Saulius Pavalkis (Dassault Systemes)	Tutorial#298: C.3 / Introduction to STAMP-based methods, STPA and CAST Meaghan O'Neil (INCOSE)	Tutorial#325: C.4 / Approaches and Concepts to facilitate Digital Transformation in Systems Engineering Alexander Busch (Ansys / NAFEMS INCOSE SMSWG); Alexandre Luc, Subodh Chaudhari (Ansys)	Tutorial#35: C.5 / Decision Making Strategies for Systems Engineers Ricardo Valerdi, Alejandro Salado (University of Arizona)	Tutorial#139: C.6 / Understanding and Applying the INCOSE SE Handbook Fifth Edition David Walden (Sysnovation, LLC)

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				Mond	ay at IS2025			
Start End time time		Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7
Ottawa, Canada		Hall 3	214	213	215	208	205	201
08:00 09:30	Keynote			P1 /	Al and the Future of Systems Enginee Langdon Morris	ring		
09:30 10:00	Break							
		SysML v2 Case Studies and Applications	Digital Engineering Strategies for Information	Compositional Analysis and Reasoning	Product Line Engineering Adoption	Multidisciplinary Communication and	SE Fundamentals	
		Patrick Meharg, Gregory Pierce	Exhange and Visualization Lori Zipes, William Scheible	Matthew Hause	Tara Sarathi	Collaboration Paul Wach	David Long, Nicole Hutchison	
		Presentation#65: 1.1.1 / Case Studies for Querying the Model - SysML V2	Automating System Architecture Decisions with a	Paper#243: 1.3.1 / Systems Engineering – A Matter of Perspectives	Education In Emerging Engineering Countries: The	Paper#151: 1.5.1 / Enhancing Shared Understanding in Multidisciplinary Teams	INCOSE Content#1015: 1.6.1 / Deciding what to build and why	Sponsor session#7: 1.7.1 / Supercharge Your Digita Transformation with the Power of Automation!
		Sean Densford, Osvaldas Jankauskas (Dassault	CoPilot	lan Gibson (AtkinsRéalis)	Singapore SIT Example	Jennifer Giang (Colorado State University); Evelyn	Dinesh Verma (Stevens Institute of Technology,	Nate Nalven
10:00 10:40		Systemes)	Alejandro Salado (The University of Arizona); Marcell Padilla (CRL Technologies, Inc.)		Marco Forlingieri (PTC); Yew Chai Paw (Singapore Institute of Technology)	Honore-Livermore (European Space Agency); Hanish Mehta (Wabtec Corporation); Sharad Rayguru (Philips Healthcare India); Thomas Manley (Decision Analysis Services (DAS))	Systems Engineering Research Center (SERC))	
		Presentation#79: 1.1.2 / Transforming an	Presentation#153: 1.2.2 / A Knowledge Graph	Paper#274: 1.3.2 / IntelliFactory: Intelligent Software		Paper#154: 1.5.2 / A3 Overviews for	INCOSE Content#1016: 1.6.2 / The Art of Systems	S Sponsor session#1212: 1.7.2 / Geeglee
	Session 1	Acquisition Process with SysML v2	Framework for Failure Analysis and Prevention	Factory for Embedded System Generation	Integrating DfT and DfM through Model-Based Engineering Strategies	Communication in Development Projects – a Study from a Small Norwegian Company	Thinking	Moderator:Vincent HOLLEY (CEO);
10:45 11:25		Todd Shayler, Richard Wise, Kurtis Wachs (Georgia Tech Research Institute)	Madison Urquhart, Janet Six (Tom Sawyer Software)	Yilong Yang, Daijin Hu, Hongyue Pan (Beihang University); Nan Wang, Sheng Cheng (Software Engineering and Digitalization Center of China Manned Space Engineering); Yongfeng Yin (Beihang University)	Clara Ramirez, Amy Thompson (University of Connecticut)	Alexander Bergtun, Siv Engen (University of South- eastern Norway)	Dr. Tami Katz (BAE Systems, Inc.)	
		Paper#185: 1.1.3 / Exploring the Use of SysMLv2 for Solution Architecture Development with the MagicGrid Framework	Paper#320: 1.2.3 / Towards a Digital Engineering Ontology to Support Information Exchange	Paper#100: 1.3.3 / Creating Better System Models: A Method for Using Compositional Reasoning to Validate Architectures with Assumption/Guarantee	Paper#263: 1.4.3 / MBPLE Adoption in the European Aviation, Defense and Automotive Industries	Paper#363: 1.5.3 / Integrated Product Development shared management by Systems Engineers and Project Managers	INCOSE Content#1017: 1.6.3 / The Never Ending Story of Requirements Across the Life Cycle	Sponsor session#1208: 1.7.3 / Exploring the Next Frontier: SysML v2 by Dassault Systemes
11:25 12:10		Aiste Aleksandraviciene, Zilvinas Strolia (Dassault	Joe Gregory (University of Arizona); James Wheaton (Colorado State University)	Contracts	Marco Forlingieri (PTC); Davi Henrique de Sousa Pinto (Airbus); Dieter Wagner (MBDA); Jaber Nikpouri (Iveco	Carlos Coelho (INCOSE BR); Jose Renato Araujo	Jeffery Williams (University of Alabama Huntsville)) Tomas Vileiniskis, Nerijus Jankevicius (Dassault Systemes)
		Systèmes)		Isaac Amundson (Collins Aerospace); Josh Kahn, Vidya Srinivasan (MathWorks); Gopal N. Rai, Janet Liu (Collins Aerospace)	Group); Tim Weilkiens (oose); Claudia Agostinelli (lveco Group)	Costa (INCOSE)		
12:10 13:30	Lunch				Lunch / Welcome Lunch for First Time Attendees			
			Al Practices and Enterprise Reliability	Model Visualization and Documentation Tools	Engineering with Curiosity and Attitude and Pushing Boundaries	Systems Modeling Concepts and Exploration	SE Fundamentals	
			Jay Silverman	Władysław Sowul	Adam Williams	Taulan Tanan	David Long, Nicole Hutchison	
		Panel#201: 2.1 / Navigating Organizational Change				Taylan Topcu Presentation#16: 2.5.1 / Darth Vader's Personal		r Sponsor session#1213: 2.7.1 / The 'System as Code
		Panel#201: 2.1 / Navigating Organizational Change Transforming for a Digital Engineering Future	: Presentation#34: 2.2.1 / Observations in Establishing AI Practices in Highly Regulated	Paper#143: 2.3.1 / The TRA Tool: Modeling and Projecting Readiness Levels with MBSE	Paper#340: 2.4.1 / Systems Engineering with Attitude	Presentation#16: 2.5.1 / Darth Vader's Personal Library: Models, Models, and More Models	INCOSE Content#1018: 2.6.1 / Unleash the Power of Systems: A 30-Minute Introduction to Systems	paradigm transforming Systems Engineering: build
13:30 14:10		Transforming for a Digital Engineering Future Moderator:Frank Salvatore (SAIC); Panelists: John	Presentation#34: 2.2.1 / Observations in Establishing AI Practices in Highly Regulated Environments	Paper#143: 2.3.1 / The TRA Tool: Modeling and	Paper#340: 2.4.1 / Systems Engineering with Attitude Rick Dove, Beth Wilson (Unaffiliated); Adam Williams (Sandia National Labs); Luke Thomas (Rolls Royce);	Presentation#16: 2.5.1 / Darth Vader's Personal Library: Models, Models, and More Models Matthew Gagliardi, Matthew Hause (System	INCOSE Content#1018: 2.6.1 / Unleash the Power of Systems: A 30-Minute Introduction to Systems Engineering Architecture	paradigm transforming Systems Engineering: build superior systems much faster
13:30 14:10	Session 2	Transforming for a Digital Engineering Future Moderator:Frank Salvatore (SAIC); Panelists: John Forsythe (Government & Public Services (GPS)); Sanford Friedenthal (independent consultant); Marco Ferrogalini (Airbus Group); Thomas	Presentation#34: 2.2.1 / Observations in Establishing AI Practices in Highly Regulated Environments	Paper#143: 2.3.1 / The TRA Tool: Modeling and Projecting Readiness Levels with MBSE	Paper#340: 2.4.1 / Systems Engineering with Attitude Rick Dove, Beth Wilson (Unaffiliated); Adam Williams (Sandia National Labs); Luke Thomas (Rolls Royce); Daniel Sudmeier (Boeing); Gary Stoneburner (JHU APL); Martin Span (Colorado State University); Adam Scheuer (CT Cubed); Barry Papke (Dassault); Gerry Ourada	Presentation#16: 2.5.1 / Darth Vader's Personal Library: Models, Models, and More Models	INCOSE Content#1018: 2.6.1 / Unleash the Power of Systems: A 30-Minute Introduction to Systems	paradigm transforming Systems Engineering: build
13:30 14:10	Session 2	Transforming for a Digital Engineering Future Moderator:Frank Salvatore (SAIC); Panelists: John Forsythe (Government & Public Services (GPS)); Sanford Friedenthal (independent consultant);	: Presentation#34: 2.2.1 / Observations in Establishing Al Practices in Highly Regulated Environments Jose Morales, Douglas Reynolds, Joseph Yankel, Matthew Walsh, Hasan Yasar (Carnegie Mellon	Paper#143: 2.3.1 / The TRA Tool: Modeling and Projecting Readiness Levels with MBSE	Paper#340: 2.4.1 / Systems Engineering with Attitude Rick Dove, Beth Wilson (Unaffiliated); Adam Williams (Sandia National Labs); Luke Thomas (Rolls Royce); Daniel Sudmeier (Boeing); Gary Stoneburner (JHU APL); Martin Span (Colorado State University); Adam Scheuer	Presentation#16: 2.5.1 / Darth Vader's Personal Library: Models, Models, and More Models Matthew Gagliardi, Matthew Hause (System	INCOSE Content#1018: 2.6.1 / Unleash the Power of Systems: A 30-Minute Introduction to Systems Engineering Architecture	paradigm transforming Systems Engineering: build superior systems much faster Juozas Vaicenavicius (CEO)
13:30 14:10	Session 2	Transforming for a Digital Engineering Future Moderator:Frank Salvatore (SAIC); Panelists: John Forsythe (Government & Public Services (GPS)); Sanford Friedenthal (independent consultant); Marco Ferrogalini (Airbus Group); Thomas	: Presentation#34: 2.2.1 / Observations in Establishing AI Practices in Highly Regulated Environments Jose Morales, Douglas Reynolds, Joseph Yankel, Matthew Walsh, Hasan Yasar (Carnegie Mellon University - SEI)	Paper#143: 2.3.1 / The TRA Tool: Modeling and Projecting Readiness Levels with MBSE William Popovich (Northrop Grumman Corporation) Presentation#348: 2.3.2 / Data Visualization of MBSE Models for Systems Engineering Baseline	Paper#340: 2.4.1 / Systems Engineering with Attitude Rick Dove, Beth Wilson (Unaffiliated); Adam Williams (Sandia National Labs); Luke Thomas (Rolls Royce); Daniel Sudmeier (Boeing); Gary Stoneburner (JHU APL); Martin Span (Colorado State University); Adam Scheuer (CT Cubed); Barry Papke (Dassault); Gerry Ourada (unaffiliated); Richard Massey, Greg Leach (Boeing);	Presentation#16: 2.5.1 / Darth Vader's Personal Library: Models, Models, and More Models Matthew Gagliardi, Matthew Hause (System Strategy, Inc.) Paper#22: 2.5.2 / Into the Unknown!	INCOSE Content#1018: 2.6.1 / Unleash the Power of Systems: A 30-Minute Introduction to Systems Engineering Architecture Chris Hoffman (Cummins) INCOSE Content#1019: 2.6.2 / 'Systems of Systems What they are and why they need 'special	paradigm transforming Systems Engineering: build superior systems much faster Juozas Vaicenavicius (CEO) s': Sponsor session#1202: 2.7.2 / Ingescape
13:30 14:10 14:15 14:55	Session 2	Transforming for a Digital Engineering Future Moderator:Frank Salvatore (SAIC); Panelists: John Forsythe (Government & Public Services (GPS)); Sanford Friedenthal (independent consultant); Marco Ferrogalini (Airbus Group); Thomas	: Presentation#34: 2.2.1 / Observations in Establishing AI Practices in Highly Regulated Environments Jose Morales, Douglas Reynolds, Joseph Yankel, Matthew Walsh, Hasan Yasar (Carnegie Mellon University - SEI) Paper#98: 2.2.2 / Enterprise Architecting to Advance Reliability and Maintainability Decision-	Paper#143: 2.3.1 / The TRA Tool: Modeling and Projecting Readiness Levels with MBSE William Popovich (Northrop Grumman Corporation) Presentation#348: 2.3.2 / Data Visualization of MBSE Models for Systems Engineering Baseline Assessments Kasey Marlowe, Sean McGuinness (Deloitte	Paper#340: 2.4.1 / Systems Engineering with Attitude Rick Dove, Beth Wilson (Unaffiliated); Adam Williams (Sandia National Labs); Luke Thomas (Rolls Royce); Daniel Sudmeier (Boeing); Gary Stoneburner (JHU APL); Martin Span (Colorado State University); Adam Scheuer (CT Cubed); Barry Papke (Dassault); Gerry Ourada (unaffiliated); Richard Massey, Greg Leach (Boeing); Presentation#174: 2.4.2 / Taming the beast: Best Practices of Extending SysML V2 Aurelijus Morkevicius, Gintare Krisciuniene (Department of Information Systems Kaunas University of	Presentation#16: 2.5.1 / Darth Vader's Personal Library: Models, Models, and More Models Matthew Gagliardi, Matthew Hause (System Strategy, Inc.)	INCOSE Content#1018: 2.6.1 / Unleash the Power of Systems: A 30-Minute Introduction to Systems Engineering Architecture Chris Hoffman (Cummins) INCOSE Content#1019: 2.6.2 / 'Systems of Systems What they are and why they need 'special treatment' from System Engineers Dr. Dan DeLaurentis (Discovery Park District	paradigm transforming Systems Engineering: build superior systems much faster Juozas Vaicenavicius (CEO)
	Session 2	Transforming for a Digital Engineering Future Moderator:Frank Salvatore (SAIC); Panelists: John Forsythe (Government & Public Services (GPS)); Sanford Friedenthal (independent consultant); Marco Ferrogalini (Airbus Group); Thomas	: Presentation#34: 2.2.1 / Observations in Establishing Al Practices in Highly Regulated Environments Jose Morales, Douglas Reynolds, Joseph Yankel, Matthew Walsh, Hasan Yasar (Carnegie Mellon University - SEI) Paper#98: 2.2.2 / Enterprise Architecting to Advance Reliability and Maintainability Decision- Making Kyle Blond, Nathaniel Thompson (Georgia Tech	Paper#143: 2.3.1 / The TRA Tool: Modeling and Projecting Readiness Levels with MBSE William Popovich (Northrop Grumman Corporation) Presentation#348: 2.3.2 / Data Visualization of MBSE Models for Systems Engineering Baseline Assessments	Paper#340: 2.4.1 / Systems Engineering with Attitude Rick Dove, Beth Wilson (Unaffiliated); Adam Williams (Sandia National Labs); Luke Thomas (Rolls Royce); Daniel Sudmeier (Boeing); Gary Stoneburner (JHU APL); Martin Span (Colorado State University); Adam Scheuer (CT Cubed); Barry Papke (Dassault); Gerry Ourada (unaffiliated); Richard Massey, Greg Leach (Boeing); Presentation#174: 2.4.2 / Taming the beast: Best Practices of Extending SysML V2 Aurelijus Morkevicius, Gintare Krisciuniene (Department	Presentation#16: 2.5.1 / Darth Vader's Personal Library: Models, Models, and More Models Matthew Gagliardi, Matthew Hause (System Strategy, Inc.) Paper#22: 2.5.2 / Into the Unknown! Andrew Nolan (Rolls-Royce plc); Andrew Pickard	INCOSE Content#1018: 2.6.1 / Unleash the Power of Systems: A 30-Minute Introduction to Systems Engineering Architecture Chris Hoffman (Cummins) INCOSE Content#1019: 2.6.2 / 'Systems of Systems What they are and why they need 'special treatment' from System Engineers	paradigm transforming Systems Engineering: build superior systems much faster Juozas Vaicenavicius (CEO) s': Sponsor session#1202: 2.7.2 / Ingescape
	Session 2 Break	Transforming for a Digital Engineering Future Moderator:Frank Salvatore (SAIC); Panelists: John Forsythe (Government & Public Services (GPS)); Sanford Friedenthal (independent consultant); Marco Ferrogalini (Airbus Group); Thomas	: Presentation#34: 2.2.1 / Observations in Establishing Al Practices in Highly Regulated Environments Jose Morales, Douglas Reynolds, Joseph Yankel, Matthew Walsh, Hasan Yasar (Carnegie Mellon University - SEI) Paper#98: 2.2.2 / Enterprise Architecting to Advance Reliability and Maintainability Decision- Making Kyle Blond, Nathaniel Thompson (Georgia Tech Research Institute); Steven Conrad, Thomas	Paper#143: 2.3.1 / The TRA Tool: Modeling and Projecting Readiness Levels with MBSE William Popovich (Northrop Grumman Corporation) Presentation#348: 2.3.2 / Data Visualization of MBSE Models for Systems Engineering Baseline Assessments Kasey Marlowe, Sean McGuinness (Deloitte	Paper#340: 2.4.1 / Systems Engineering with Attitude Rick Dove, Beth Wilson (Unaffiliated); Adam Williams (Sandia National Labs); Luke Thomas (Rolls Royce); Daniel Sudmeier (Boeing); Gary Stoneburner (JHU APL); Martin Span (Colorado State University); Adam Scheuer (CT Cubed); Barry Papke (Dassault); Gerry Ourada (unaffiliated); Richard Massey, Greg Leach (Boeing); Presentation#174: 2.4.2 / Taming the beast: Best Practices of Extending SysML V2 Aurelijus Morkevicius, Gintare Krisciuniene (Department of Information Systems Kaunas University of	Presentation#16: 2.5.1 / Darth Vader's Personal Library: Models, Models, and More Models Matthew Gagliardi, Matthew Hause (System Strategy, Inc.) Paper#22: 2.5.2 / Into the Unknown! Andrew Nolan (Rolls-Royce plc); Andrew Pickard	INCOSE Content#1018: 2.6.1 / Unleash the Power of Systems: A 30-Minute Introduction to Systems Engineering Architecture Chris Hoffman (Cummins) INCOSE Content#1019: 2.6.2 / 'Systems of Systems What they are and why they need 'special treatment' from System Engineers Dr. Dan DeLaurentis (Discovery Park District	paradigm transforming Systems Engineering: build superior systems much faster Juozas Vaicenavicius (CEO) s': Sponsor session#1202: 2.7.2 / Ingescape
14:15 14:55		Transforming for a Digital Engineering Future Moderator:Frank Salvatore (SAIC); Panelists: John Forsythe (Government & Public Services (GPS)); Sanford Friedenthal (independent consultant); Marco Ferrogalini (Airbus Group); Thomas	: Presentation#34: 2.2.1 / Observations in Establishing Al Practices in Highly Regulated Environments Jose Morales, Douglas Reynolds, Joseph Yankel, Matthew Walsh, Hasan Yasar (Carnegie Mellon University - SEI) Paper#98: 2.2.2 / Enterprise Architecting to Advance Reliability and Maintainability Decision- Making Kyle Blond, Nathaniel Thompson (Georgia Tech Research Institute); Steven Conrad, Thomas	 Paper#143: 2.3.1 / The TRA Tool: Modeling and Projecting Readiness Levels with MBSE William Popovich (Northrop Grumman Corporation) Presentation#348: 2.3.2 / Data Visualization of MBSE Models for Systems Engineering Baseline Assessments Kasey Marlowe, Sean McGuinness (Deloitte Consulting) Al in Natural Language Processing and Automatic 	 Paper#340: 2.4.1 / Systems Engineering with Attitude Rick Dove, Beth Wilson (Unaffiliated); Adam Williams (Sandia National Labs); Luke Thomas (Rolls Royce); Daniel Sudmeier (Boeing); Gary Stoneburner (JHU APL); Martin Span (Colorado State University); Adam Scheuer (CT Cubed); Barry Papke (Dassault); Gerry Ourada (unaffiliated); Richard Massey, Greg Leach (Boeing); Presentation#174: 2.4.2 / Taming the beast: Best Practices of Extending SysML V2 Aurelijus Morkevicius, Gintare Krisciuniene (Department of Information Systems Kaunas University of Technology and Dassault Systemes) 	Presentation#16: 2.5.1 / Darth Vader's Personal Library: Models, Models, and More Models Matthew Gagliardi, Matthew Hause (System Strategy, Inc.) Paper#22: 2.5.2 / Into the Unknown! Andrew Nolan (Rolls-Royce plc); Andrew Pickard	INCOSE Content#1018: 2.6.1 / Unleash the Power of Systems: A 30-Minute Introduction to Systems Engineering Architecture Chris Hoffman (Cummins) INCOSE Content#1019: 2.6.2 / 'Systems of Systems What they are and why they need 'special treatment' from System Engineers Dr. Dan DeLaurentis (Discovery Park District	paradigm transforming Systems Engineering: build superior systems much faster Juozas Vaicenavicius (CEO) s': Sponsor session#1202: 2.7.2 / Ingescape
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				Т	uesday at IS2025		
Start End time time		Track 1	Track 2	Track 3	Track 4	Track 5	Track 6
Ottawa, Canada		Hall 3	214	213	215	208	205
08:00 09:30	Keynote				SE in practice Exploration Company (TEC))		
09:30 10:00	Break						
		MBSE Lightning Round	Systems Engineering Roles and Competencies	Model Interoperability Frameworks	Enterprise Architecture and Transformation	Natural Language Processing and GenAI Applications	Decision-Making Frameworks in Systems Engineering
		Mark Sampson, Troy Peterson Paper#238: 4.1.1 / OMG's Approach to Developing its	Suzette Johnsoon, Richard Beasley Paper#21: 4.2.1 / Why Systems Engineering Skills Are	Hartmut Hintze Paper#60: 4.3.1 / Standards Gaps for Enabling Model	Kerry Lunney Paper#2: 4.4.1 / Enabling Enterprise Transformation Using	Michael Shearin Presentation#97: 4.5.1 / Architecting the Future through Natural	Mark Winstead Paper#313: 4.6.1 / An Architecting Book of Knowledge (BoK)
		SysMLv2 Certification Program	Critical for Successful Leadership of Large Complex	Interoperability for MBSE in a Digital Engineering Context	Systems Principles and Concepts	Language Processing	to Improve Architectural Decision-Making
10:00 10:40		Rick Steiner (University of Arizona); Terrance Milligan (Object Management Group); Matthew Johnson (Arcfield)	Projects	Ryan Noguchi (The Aerospace Corporation)	James Martin (Aerospace Corporation)	Kyle Russell, Jaden Flint, Chanler Cantor, Dr. William Marx, Casey	Gordon Hunt (Skayl, LLC); Alejandro Salado (The University
			Nicole Hutchison (Virginia Tech National Security			Cooper (Intuitive Research and Technology Corporation)	of Arizona); Bryan Mesmer (The University of Alabama in
	Session 4	Paper#168: 4.1.2 / Explaining Model-Based Systems Engineering – Towards a Semiotic Perspective	Institute); Tom McDermott (Systems Engineering Research Center)				Huntsville); Marcell Padilla (CRL Technologies, Inc.); Edwards Edwards, Bryan Joyner (Intrepid, LLC)
		Eduard Kamburjan (IT University of Copenhagen); Johan	Paper#40: 4.2.2 / Systems Engineering Roles for a New Era		Presentation#73: 4.4.2 / Space Domain Enterprise Architecture	Paper#196: 4.5.2 / Extracting Information from System Model as	Presentation#395: 4.6.2 / Enhancing the Future of Decision-
		Cederbladh (Mälardalen university)	Sarah Sheard (Retired); Andrew Pickard (APickard LLC)	Interoperability: Linking Mission Models, System Models, and High-Fidelity Simulations for Defense Applications	Reference Model	Graph Structure by Large Language Model in MBSE	Making - INCOSE DADM v1.0 Implementation
10:45 11:25		Paper#165: 4.1.3 / An Initial Exploration of MULTI Level	Sarah Sheard (Retired), Andrew Fickard (Arickard LLC)		Edith Szarkowski, Kyle Alvarez (Engineer); James Martin	Keisuke Sugawara, Yutaka Komatsu, Atsushi Wada (Japan	Jared Smith (Deloitte Consulting); Gregory Parnell
		Modeling for Model-Based Systems Engineering Arne Lange (Karlsruhe Institute of Technology); Johan		Ricardo Martinez (MathWorks); Tara Sarathi (MIT Lincoln Labs)	(Aerospace Corporation)	Aerospace Exploration Agency)	(University of Arkansas); Robert C. Kenley (Purdue University); Devon Clark (Deloitte Consulting); Frank
		Cederbladh (Mälardalen University); Kevin Feichtinger,					Salvatore (SAIC); Drake Nwobodo (Deloitte Consulting)
		Thomas Weber (Karlsruhe Institute of Technology)	Presentation#392: 4.2.3 / Qualifications, certifications, what's the point? How and why to formalize competency	Paper#401: 4.3.3 / Ontological definition of seamless digital engineering based on ISO/IEC 25000-series SQuaRE product	Presentation#74: 4.4.3 / Enterprise Model of the Dynamic Targeting Process Using the Unified Architecture Framework	Paper#294: 4.5.3 / GenAi and RAG for Automated Traceability	Presentation#399: 4.6.3 / Transforming Decision-Making with AI and the DADM Framework
		Paper#214: 4.1.4 / Methodology for Model-Based Certification	in your organization	quality model	(UAF)	Jason Baker, Abe Hudson, Jason Baker (StrataSE)	with A and the DADW Hamework
		Jay Silverman, Holly Handley (Old Dominion University)	Lori Zipes (US DoD Navy)	James Wheaton, Daniel Herber (Colorado State University)	James Martin (Aerospace Corporation)		Jared Smith (Deloitte Consulting); John DeHart (Avian INC)
11:30 12:10		Paper#177: 4.1.5 / Integrating system dynamics with		,			
		systems modelling language for resilient system design					
		Ivan Taylor (Policy Dynamics Inc.); Ken Cureton (University of Southern California); Al Thibeault (Amistra)					
12:10 13:30	Lunch				Lunch		
			Risk, Security, and Resiliency Modeling and Analysis	Risk Analysis Methodologies	Project Management and Process Improvement	Defense Systems Engineering	Automotive Systems Development
		Panel#385: 5.1 / Think Like an Ecosystem: Re-envisioning	Patrick Meharg, Joe Gregory Paper#331: 5.2.1 / Digital Engineering Testbed for T&E:	Jeremy Doerr Paper#26: 5.3.1 / Systematic Risk Analysis: FMEA and FTA	Jeffery Williams	Depart 40, E.E.1 / Systems Engineering Dela System and the	Philip Kalenda
		the Future of Systems on Earth	Operation Safe Passage Status and Lessons Learned	Approaches for Multi-Level System Architectures	Paper#226: 5.4.1 / Methods for Quantifying Rework Risk to Make Efficient Schedule for a Project	Paper#49: 5.5.1 / Systems Engineering Role Evolution and the Right Stuff	Paper#101: 5.6.1 / What would I see in court? A survey analysis of who americans would blame for self-driving
13:30 13:55		Panelists: Casey Medina (CVM Design, Inc.); Matthew Hause (SSI); Rae Lewark (Studio SE Ltd);	Brandt Sandman, Paul Wach (Virginia Tech); Alejandro Salado, Joe Gregory (University of Arizona); Taylan Topcu, Geoffrey Kerr (Virginia Tech)	Brian Pepper (Dassault Systèmes); Habibi Husain Arifin (Assumption University); Saulius Pavalkis (Dassault Systèmes); Kyle Post (Ford Motor Company)	Yiyi Wang, Chenwei Gui, Kazuhiro Aoyama (The University of Tokyo, Graduate School of Engineering)	Andrew Pickard (APICKARD LLC); Sarah Sheard (Carnegie-Mellon University (Retired)); Richard Beasley (RBSystems); Andy Nolan (Rolls-Royce plc)	vehicle crashes and traffic violations Eric Stewart, Erika Gallegos (Colorado State University)
			Presentation#299: 5.2.2 / Model Based Test and Evaluation Master Plan: Applying Digital Transformation to T&E Strategy for Major Acquisition Programs	Paper#270: 5.3.2 / SysML4Sec – Methodology for Security modeling in the context of large-scale product development with multiple design levels	Paper#227: 5.4.2 / Assessing Management Measures in Large- Scale Residential Facilities: An SNS-Driven Evaluative Approach Long Fu, Kazuhiro Aoyama (The University of Tokyo, Graduate	Paper#254: 5.5.2 / Sustainment of Navy Assets: A Case study of Post-Production Design Change Process and Documentation of Archetypical Sources of Inefficiency	
14:00 14:25	Session 5		Johnston Coil, Sylvia Conques, Hannah Myers, Rebecca Santos (DoD)	Hartmut Hintze (Technische Universität Hamburg Institut für Flugzeug-Kabinensysteme); Daniel Pereira (Airbus); Alice Santin (Dassault Systèmes); Marvin Blecken (Technische Universität Hamburg Institut für Flugzeug-Kabinensysteme); Ralf God	School of Engineering)	Taylan G Topcu, Jannatul Shefa (Virginia Tech)	Alain Dauron (AFIS and INCOSE (retired)); Yutika Patwardhan (Tata Consultancy Services); Orkun Yılmaz (CARIAD SE); David Hetherington (System Strategy, Inc); Stephen Powley (Coventry University)
			Paper#396: 5.2.3 / Hidden Beliefs in Verification Decisions: An Experimental Study with Practitioners	Simulation and Data Analytics Framework for Resilient	Paper#269: 5.4.3 / Streamlining Engineering in Growing SMEs: A Framework of Guidelines and Checksheets for Knowledge	Paper#381: 5.5.3 / Model-Based System Verification Applied to Spanish Navy's S80 Class Submarine Sustainment Case Study	Paper#303: 5.6.3 / Accelerated Automotive Battery Development to meet Market Opportunities
			Joanna Joseph, Alejandro Salado (University of Arizona)	Sustainment and Support Readiness Strategies	and Project Improvement	Jose Torres Garcia (Navantia); David Fernandez Gonzalez	Matthias Bajzek (Graz University of Technology); Daniel
14:30 14:55			,	Guillaume Belloncle, Gauthier Fanmuy, Gan Wang, Bruno Joffret, Berenger Winckler (Dassault Systemes)	Sigurd Skotnes (University of South-Eastern Norway); Dag Bergsjö (Chalmers University of Technology)	(Accenture); Shashank Alai, Benedetta lezzi (Siemens); Miguel Eduardo Orozco Castano (Accenture); Isabel Ainhoa Nieto Sevilla (Navantia)	Krems (AVL); Michael Tatschl (Graz University of Technology); Thomas Traussnigg (AVL); Stefan Kollegger (Technische Universität Graz); Sebastian Dörr (Conwever); Jasmin Kniewallner, Hannes Hick (Graz University of
15:00 15:30	Break						
		Digital Twin Applications and Verification	AI Systems for Safety-Critical Applications	Implementation Guidance: MBSE and MOSA	Systems Dynamics and Complexity Navigation	Digital Engineering Adoption Cases in Industry and on the	Configuration Management and Lifecycle Analysis
		Rick Steiner, Chris Hoffman Paper#94: 6.1.1 / Bridging Realities: Bringing MBSE Models to Life with Digital Twins	Enanga Fale, Duncan Kemp Presentation#111: 6.2.1 / Engineering Trusted Al Systems for Mission-Critical Operations	Ken Ptack Presentation#72: 6.3.1 / Should I Use MBSE On This Project? Paul Bryer, Anthony Jones (INCOSE Member)	0 Paper#213: 6.4.1 / Intelligent Exploration Kathleen Ticer (Florida State University)	Angela Robinson Paper#163: 6.5.1 / Redesigning Systems Architecture for AWS Platform Migration: A Case Study of an Energy Monitoring System	Carlos Coelho Presentation#268: 6.6.1 / Transforming Engineering: Implementation of Cross Domain Configuration Management (CDCM) at Bosch
15:30 15:55		Harleigh Bass, Chanler Cantor, Jaden Flint, Dr. William Marx, Casey Cooper, Jason Rogers (Intuitive Research and Technology Corporation)	(The University of Arizona)			Catalina Klarissa Mae Tagavilla Gaza (University of South-Eastern Norway); Yangyang Zhao (University of Oslo); Henri Giudici (University of South-Eastern Norway)	Christoph Bergner (GfSE); Thomas Schwarzkopff (Robert Bosch GmbH)
		Presentation#329: 6.1.2 / Agile Systems Engineering of an Astronaut Digital Twin to Optimize Human Space Exploration	Paper#87: 6.2.2 / A Digital Engineering Methodology for Design, Exploration and Validation of Safety-Critical Software for Integrating Al-based Algorithms	Presentation#78: 6.3.2 / A Systems Engineering Approach to Standards Development	Paper#260: 6.4.2 / Stakeholders Harmonization Initiative: An UAF Approach to System Dynamics in Enterprise Architecture and Product Service Systems	Presentation#383: 6.5.2 / Digital Engineering Adoption at Small Manufacturers: Learning from Digital Thread and Model-Based Definition Adoption at SMMs from a Prototype Project and Study	Paper#160: 6.6.2 / Systems-of-Systems Engineering Challenges: Experiences from the Road Construction Domain
16:00 16:25	Session 6	Caleb Schmidt (Colorado State University; Sovaris Aerospace); Tom Paterson (EmbodyBio); Michael Schmidt (Sovaris Aerospace); Steven Simske, Stephanie Anderson (Colorado State University)	Gabriel Pedroza, Matthieu Paquet, Bernard Dion (Ansys)	Leslie McKay (SAE International)	Takuro Koizumi (Mitsubishi Heavy Industries, Ltd. / Osaka Metropolitan University); Hiroyuki Morino (Mitsubishi Heavy Industries, Ltd.); Tatsunori Hara, Kazuhiro Aoyama (School of Engineering, The University of Tokyo)	Amy Thompson (Connnecticut Center for Advanced Technology)	
16:20		Paper#336: 6.1.3 / A Double-Helix Model for the V&V of Physical and Digital Twins	Paper#41: 6.2.3 / Al Starter Kit and Caveats for the Systems Engineer	Presentation#262: 6.3.3 / How Much MOSA Does Your System Need? Hitting the Sweet Spot Between MOSA Ambition and Lifecycle Costs	Paper#337: 6.4.3 / A Systems Engineering Framework for Navigating Complexity	Paper#128: 6.5.3 / Model-Based Systems Engineering for Industrial Systems	Paper#278: 6.6.3 / Model-Based Maintenance Planning and Analytics for Oil & Gas Offshore Systems
16:30 16:55		Samuel Cornejo, Sukhwan Jung, Alejandro Salado (The University of Arizona)	Sarah Sheard (Retired)	Clarissa Fleming, David Hetherington, Robert Peters (System Strategy, Inc)	Dean Beale (Independent Researcher); Ricardo Valerdi (University of Arizona); Dorothy McKinney (Lockheed Martin (retired)); Andrew Pickard (APICKARD LLC)	Gauthier Fanmuy, Saulius Pavalkis, Adel Taghiyar, Tarik Kebdani (Dassault Systemes)	Glenda Jensen, Emefon Dan, Edmary Alatmiranda (AkerBp); Lars-Olof Kihlström (CAG Syntell AB); Matthew Hause (SSI)

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Saulius Pavalkis (Dassault Systemes)				
Sponsor session#1201: 4.7.2 / Project Performance				
International				
John Fitch (Project Performance International); Francois Retief (Certification Training International)				
Sponsor session#8: 4.7.3 / Purdue University				
SPONSOR TRACK				
Sponsor session#1207: 5.7.1 / DENTSU SOKEN INC.				
Takuma Ohnishi, Hidetaka Ishii, Takahiro MInami, Satoru				
Naraoka				
in Web-Based SysML v2 Modeling				
Stephane Lacrampe (Obeo)				
Sponsor session#9: 5.7.3 / Measuring System Engineering				
Performance through Traceability				
Francis Trudeau (Jama Software)				
ponsor session#1210: 4.7.1 / Digital Engineering and SE with Virtual Twins: Streamlining Robotic Arm Design and Deployment Saulius Pavalkis (Dassault Systemes) Sponsor session#1201: 4.7.2 / Project Performance International hn Fitch (Project Performance International); Francois Retief (Certification Training International) Sponsor session#8: 4.7.3 / Purdue University Sponsor session#8: 4.7.3 / Purdue University Sponsor session#8: 4.7.3 / Purdue University Sponsor session#1207: 5.7.1 / DENTSU SOKEN INC. kuma Ohnishi, Hidetaka Ishii, Takahiro MInami, Satoru Naraoka insor session#1206: 5.7.2 / SysON Spotlight: The Latest in Web-Based SysML v2 Modeling Stephane Lacrampe (Obeo)				
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Jose Fuentes, Ilyes Yousfi (The REUSE Company)				
Sponsor session#1222: 6.7.3 / Improve Systems Engineering Results with Integrated Visualization and Analysis				
Janet Six (Tom Sawyer Software)				

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				Wednesd	lay at IS2025		
Start End time time		Track 1 Hall 3	Track 2 214	Track 3 213	Track 4 215	Track 5 208	Track 6 205
Ottawa, Canada		Hall 3	214	213	215	208	205
08:00 09:30	Keynote			P3 / Preparation f Dr. Robert Thirsk (Cana			
09:30 10:00	Break						
		Generative Al Impact and Value Assessment Suzette Johnsoon	Requirements Engineering Methodologies Greg Pierce	Sociotechnical, Environmental, and Cultural Systems Analysis Guillaume Belloncle, Adam Williams	Resilient Aerospace and Defense Systems Greg Parnell	Acquisition Models and Frameworks Paul Wach	Tech Ops Track Tami Katz, Jimmie McEver
		Presentation#57: 7.1.1 / Value of Using Large Language Models in Building Software for Systems	Paper#361: 7.2.1 / A Transformative Process for Model- Based Design Reviews	Paper#324: 7.3.1 / Analyzing Systems Engineering Vision 2035 Through a Cultural Lens	Presentation#358: 7.4.1 / Secure Cyber Resilient Engineering: Methods and Tools	Paper#6: 7.5.1 / A proposal for making an information model for an acquisition organization	INCOSE Content#1047: 7.6.1 / How INCOSE is Advancing the Practice of Systems Engineering
10:00 10:40	Session 7	Mark Sherman (CMU SEI)	Saulius Pavalkis, Peter Drozdzewicz (Dassault Systemes)	Ahmad Alsudairi (University Putra Malaysia); Azmin Shakrine Mohd Rafie (Universiti Putra Malaysia); Serhan Alshammari (Industrial Engineering Department, College of Engineering, Ha'il University); Amini Amir Abdullah, Syaril Azrad, Ezanee Gires (Universiti Putra	Peter Beling (Virginia Tech); Tom McDermott (Stevens Institute of Technology)	Simen Lunke (Norwegian Defence Materiel Agency); Satyanarayana Kokkula (University of South-Eastern Norway)	Tami Katz
		Presentation#148: 7.1.2 / A Maturity and Cost Model for Systems Engineering with Generative Al	Paper#378: 7.2.2 / Systems Engineering Automation Through Artificial Intelligence (AI) and Natural Language	Malaysia); Abdullah Algarni (GADD) Paper#233: 7.3.2 / CONFIGURATION MANAGEMENT AS A DRIVER FOR SUSTAINABILITY	Paper#146: 7.4.2 / Towards a greater understanding of Systems Design and Interoperability between Airbus Commercial and its	Paper#80: 7.5.2 / Boosting COSYSMO to derive a comprehensive Acquisition benchmarking tool	INCOSE Content#1038: 7.6.2 / How are We Doing? FuSE Report Card on Realizing the Systems Engineering Vision
10:45 11:25		Raymond Madachy, Ryan Bell, Ryan Longshore (Naval Postgraduate School)	Xuan Chau, Brian Parrish (MITRE Corporation); Michael	Sandrine Gonthier (INCOSE); Adriana D'Souza, Haydn Jones (AIRBUS)	Suppliers Maxime Varoqui (AIRBUS)	Christer Froling (The REUSE Company)	2035 Bill Miller
		Paper#389: 7.1.3 / Artist Intellectual Property Rights Protection & GenAl: A Systems Approach	Cannizzaro (US Army Futures Command STE CFT) Paper#373: 7.2.3 / A TMBR-based, Semiformal Method for Early Requirements Definition of Training Simulators	Presentation#374: 7.3.3 / SE, S and T: A Sociotechnical Systems Analysis of United States Scientific and Technical Policymaking	Paper#273: 7.4.3 / Model-Driven Engineering for Modeling and Simulating Satellite Power Systems: A Case Study	Presentation#81: 7.5.3 / A Model-Based Framework for Assessing MOSA Value Delivery in DoD Acquisitions	INCOSE Content#1041: 7.6.3 / Al for SE and SE for Al
11:30 12:10		Jon Wade (University of California, San Diego); Dana Polojärvi (Maine Maritime Academy); Hortense Gerardo (University of California, San Diego)	Władysław Sowul (Military Aviation Works no. 2)	Shelley Littin (University of Arizona)	Daijin Hu, Yilong Yang, Peiye Yang (Beihang University); Jingwei Shang (Software Quality Engineering Research Center); Sheng Cheng (Software Engineering and Digitalization Center, China Manned Space Engineering)	Richard Wise, Christopher Zeoli, Alton Schultheis (Georgia Tech Research Institute)	Ali Raz
12:10 13:30	Lunch						
			Digital Twins and Semantic Engineering	AI Ethics and Human-AI Interfaces	Model-Based Approaches in High-Consequence Environments	Agile and Innovative Engineering Approaches	Tech Ops Track
		Panel#224: 8.1 / Bridging the Divide: Linking Architectural Specification and Verification by System Simulation	Paper#283: 8.2.1 / Authoritative Broker of Truth (ABoT): Synchronizing Model-Based System Engineering with Cross- Disciplinary Simulation to Create Digital Twins	Hannes Hick, Matthew Hause Presentation#90: 8.3.1 / Ensuring Safety in Al/LLM Systems for Open- Source Intelligence: An STPA-Guided Approach	Satya Kokkula Paper#31: 8.4.1 / Digital Safety Analysis for Small Modular Nuclear Reactors (SMRs)	Hartmut Hintze Paper#63: 8.5.1 / Innovation Engineering at Tesla – Agility as a Cultural Practice	Tami Katz, Jimmie McEver INCOSE Content#1039: 8.6.1 / Shaping the Future with Complex and Adaptive Systems
13:30 13:55		Moderator:Phyllis Marbach (INCOSE SMSWG); Panelists: Alexander Busch (NAFEMS INCOSE SMSWG / Ansys); Mike Nicolai (Siemens Digital Industry Software); Saulius Pavalkis (Dassault Systemes); Becky Petteys (MathWorks);	Patrick Meharg, Scott James, Andrew Dudash (Noblis Inc.)	Timothy Davison, Matthew Walsh, Shing-Hon Lau (Carnegie Mellon University - Software Engineering Institute)	Ron Claghorn, Peter Suyderhoud, Matt Lund, Kevin O'Rear (Idaho National Laboratory)	Rick Dove (Unaffiliated); Kerry Lunney (Thales Australia); Michael Orosz (University of Southern California); Mike Yokell (Unaffiliated); Jennifer Whitby (McLaren Automotive); Jim Larkin (Northrop Grumman); Jeff Loren (SAIC); Brian Smith (Peerless Technologies)	Mike Watson, Andy Pickard (Co-Chair of the Complex Systems Working Group); Rob Vingerhoeds, Bill Brooks
	Session 8		Paper#318: 8.2.2 / Semantically-Enabled Dashboards to Support Systems Engineers	Paper#307: 8.3.2 / Ethical Human-Al Agent Interface Considerations Clayton Couch, Michael Miller (Air Force Institute of Technology)	Paper#248: 8.4.2 / Helping Future Nuclear Power Facilities Navigate Predatory & Hostile Environments: Insights from Systems Security Engineering	Presentation#68: 8.5.2 / Integration of Agile and Systems Engineering to Deliver Safety-Critical Cyber-Physical Systems	INCOSE Content#1043: 8.6.2 / Conserving Energy as a Strategy for Dealing with Uncertainty and Dynamics in SE
14:00 14:25			Joe Gregory (University of Arizona); Visalakshi Iyer, Alejandro Salado (The University of Arizona)		Adam Williams (Sandia National Laboratories)	Robin Yeman (Carnegie Mellon SEI); Suzette Johnson (Northrop Grumman)	Rick Dove
			Presentation#349: 8.2.3 / Methodology for Evaluating a Digital Architecture in Terms of Systems Engineering Lifecycle Using Variables in the Context of Digital Twin	Paper#314: 8.3.3 / Al outperforms 60 se graduates in creating causal loop diagram of janis groupthink phenomenon	Paper#343: 8.4.3 / Integrating Digital Engineering Needs into Physics-based Modeling and Simulation for Aircraft Power and Thermal Systems	Presentation#341: 8.5.3 / Beyond Traditional Engineering: Transformative Approaches for a Changing World	
14:30 14:55			Claribel Wendling (Colorado State University)	Kirk Reinholtz, Kamran Eftekhari Shahroudi (Colorado State University)	Daniel Herber (Colorado State University); Dominic Dierker, Brian Raczkowski (PC Krause & Associates); Nathaniel Butt, Soumya Patnaik (Air Force Research Laboratory, Wright-Patterson AFB)	Elena Gallego Palacios (Spain - AEIS)	
15:00 15:30	Break						
			Space Systems and Mission Engineering	Architecture, Verification, and Asset Management	System-of-Systems and Multi-Agent Resilience	MBSE Adoption Challenges and Configuration	Tech Ops Track
		Panel#247: 9.1 / Cost Impacts of Generative AI in Systems	Nicole Hutchison Paper#182: 9.2.1 / MissionDE: A Distributed Process Engine	Alejandro Salado, Kirsten Helle Presentation#384: 9.3.1 / Solving the Selfish Octopus Problem with	0 Paper#354: 9.4.1 / MilliSwarm: Leveraging Emergence for Energy	Ken Ptack Paper#304: 9.5.1 / A Survey on MBSE Adoption	Tami Katz, Jimmie McEver INCOSE Content#1042: 9.6.1 / Addressing Sustainability
		Engineering Processes	for Automated Mission Execution	the Reusable Asset Specification (RAS) 3.0	Efficient Robotic Swarm Movement	Challenges in the INCOSE Asia and Oceania Sector	through a new INCOSE Working Group
15:30 15:55		Moderator:Raymond Madachy (Naval Postgraduate School); Panelists: Barclay Brown (Collins Aerospace); Ricardo Valerdi (University of Arizona); Gan Wang	Hongyue Pan, Runkun Zhang, Aolang Wu, Tianyi Zhang, Yilong Yang (Beihang University)	Matthew Hause (SSI)	James Hand, Bryan Watson (Embry-Riddle Aeronautical University)	Mohammad Chami (SysDICE GmbH); Marco Forlingieri (PTC); Habibi Husain Arifin (Assumption University); Quoc Do (KBR, Inc.)	Alain Dauron
10.00	Session 9	(Dassault Systèmes); Marilee Wheaton (The Aerospace Corporation);	Paper#187: 9.2.2 / Customer Needs Elicitation Method for Business Architecture Design In Space Industry	Paper#353: 9.3.2 / Modular Design Method Considering System Architecture in Maritime Radar System for Autonomous Ship	Paper#120: 9.4.2 / Enhancing Healthcare Delivery through Systems of Systems Governance: A Multi-Layered Governance Framework	Paper#30: 9.5.2 / Navigating Innovation: MBSE Adoption at Turkish Aerospace Industries	INCOSE Content#1045: 9.6.2 / Rally the Troops! The Secret Energy Driving All Innovation Ecosystems
16:00 16:25			Hiroki Umeda, Yasushi Ueda (Japan Aerospace Exploration Ajency)	Kazuhiro Aoyama, Bayanbat Shinekhuu (The University of Tokyo, Graduate School of Engineering)	Mohamed Mogahed, Mo Mansouri (Stevens Institute of Technology)	Aiste Aleksandraviciene (Dassault Systemes); Zilvinas Strolia (Dassault Systems); Özlem Erdener Sönmez, Gökan Pehlivanoğlu (TAI)	Bill Schindel
			Presentation#362: 9.2.3 / Robust Testing and Simulation Frameworks for Artificial Intelligence Systems in Spacecraft Operations	Presentation#218: 9.3.3 / Driving the Future of MBSE: SysMLv2 and Simulation-Driven Verification for the example of an Electric Vehicle ePowertrain Battery System	Paper#391: 9.4.3 / Faulted Agent Resilience in Multi-Agent Systems: An Exploration of Two Ant Inspired Strategies	Presentation#311: 9.5.3 / Configuration Management Challenges in Multi-Team Collaboration Using Linked Models	INCOSE Content#1044: 9.6.3 / Smarter Delivery of Infrastructure
16:30 16:55			Stephanie Anderson, Steven Simske (Colorado State University)	Alexander Busch (Ansys / NAFEMS INCOSE SMSWG); Christoph Edeler, Bernhard Kaiser, Rajagopalan Badrinarayanan, Hemesh Patil, Tushar Sambharam (Ansys)	James Hand, Bryan Watson (Embry-Riddle Aeronautical University)	David Hetherington, Mark Petrotta (System Strategy, Inc); Tomas Vileiniškis (Dassault Systèmes)	Dale Brown
				Connect and Di	_		

Wednesday at IS2025	
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	Track 7
	201
	SPONSOR TRACK
	Sponsor session#1214: 7.7.1 / SysMLv2 change
	management with version control and LemonTree
	Philipp Kalenda (LieberLieber Software); Chris Armstrong (Armstrong Process Group (APG))
	Sponsor session#1217: 7.7.2 / Ansys
	Sponsor session#1219: 7.7.3 / Agent-Assisted Systems
	Engineering: How Al Agents Can Accelerate and Strengthen the V-Model
	Erez Kaminski (Ketryx)
	SPONSOR TRACK
	Sponsor session#1223: 8.7.1 / TopTeam Corp
	Sponsor session#1221: 8.7.2 / Zuken Vitech: Reimagining MBSE Collaboration
	Brian Selvy (Zuken Vitech)
	Sponsor session#1218: 8.7.3 / Military Aviation Works no. 2 Polish Armaments Group
	Władysław Sowul (WZL2)
	SPONSOR TRACK
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Thursday at IS2025

					Thursday at IS2025			
Start En time tim			Track 1	Track 2	Track 3	Track 4	Track 5	Track 6
Ottawa, Cana			Hall 3	214	213	215	208	205
			Large Language Models for Systems Engineering	SysML v2 Methodologies and Extensions	Cybersecurity Approaches for Critical Systems	Theoretical Systems Engineering and Metamodels	Energy Systems and Sustainability	Systems Engineering Education and Competency Development
			Clara Ramirez	Jeremy Doerr, Jeffery Williams	Bill Scheible	Ryan Wilson	Richard Beasley	Paul Schreinemakers, Chris Hoffman
			Paper#150: 10.1.1 / The Cost of Expertise: Performance Trade-Offs in LLMs for Systems Engineering	Presentation#36: 10.2.1 / Using SysML v2 to Define a Digital Engineering Methodology	Presentation#24: 10.3.1 / A Proposed Capability Package for Preventing Hardware-Specific Cyber Attacks in Critical Infrastructure	Presentation#289: 10.4.1 / From Systems Engineering to Engineering Systems: The Power of Framing	Presentation#405: 10.5.1 / A State of the System Analysis of the world's energy transformation towards net zero	 Paper#110: 10.6.1 / Developing Competence in Competency Assessment and Development – Experiences from applying the INCOSE Systems Engineering Competency Framework
09:00 09:	9:40			Bernard Dion (ANSYS, Inc.); J Simmons (Digital Engineering	Irom Cultakin (Coorgo Washington University, PhD Candidate)	David Long (Blue Holon)	Thomas Manley (Decision Analysis Services (DAS) Australia)	from two Large Organizations
			School); Brady Jugan (Virginiat Tech); Ryan Longshore, Raymond Madachy (Naval Postgraduate School)	Consultant)	Irem Gultekin (George Washington University, PhD Candidate); Reginald Bailey (George Washington University, PhD Advisor)			Erik Herzog (SAAB AB); John Palmer (The Boeing Company); Jonas Hallqvist (Saab); Johanna Axehill (Saab AB); Robert
			Paper#52: 10.1.2 / PBSE Data Initialization Framework and Practive by Using LLM	Presentation#56: 10.2.2 / SysML v1 to SysML v2 Model Conversion Approach	Paper#62: 10.3.2 / Toward Quantitative Assessments of Cybersecurity Countermeasure Efficacy	Paper#217: 10.4.2 / The Three Fundamental Questions: A Minimal Complete Framework of Systems Engineering	Paper#186: 10.5.2 / Digital requirement management and exchange - a Case Study from the Energy Domain	Paper#118: 10.6.2 / Applying Systems Engineering to Systems Engineering Graduate Course Development
09:45 10:):25	Session 10	Degang Liang, Baoyu Dong (COMAC Shanghai Aircraft Design and Research Institute)	Frank Salvatore (SAIC); Sandy Friedenthal (SAFConsulting)	Ben Breisch, Kristin Voss, William Barnum (MITRE)	Christian Sprague (INCOSE); Graeme Troxell (Colorado State University)	Kirsten Helle (TechnipFMC); Siv Engen (University of South East Norway); Helge Smedsrud, Børre Svenskerud, Robert Pagan (TechnipFMC)	Elizabeth Wilson, Don Gelosh, Shamsnaz Bhada, Christopher Piccirillo (Worcester Polytechnic Institute)
			Paper#197: 10.1.3 / Accelerating Model-Based Systems Engineering with Large Language Models	Paper#164: 10.2.3 / Enterprise Transformation Planning with UAF	Presentation#135: 10.3.3 / When Assurance Cases are needed for Security		Paper#251: 10.5.3 / Holistic Approach to Sustainability: A Comparative Life Cycle Assessment of Battery-Electric	Paper#166: 10.6.3 / Teaching Systems Engineering for Students – Experiences from the Swedish Education System
10:30 11:	:10		Khushnood Adil Rafique, Sanan Shah (University of Kaiserslautern (RPTU)); Šandor Dalecke (University of Kaiserslautern-Landau (RPTU)); Christoph Grimm	Aurelijus Morkevicius (Department of Information Systems Kaunas University of Technology and Dassault Systemes); Aiste Aleksandraviciene, Edita Mileviciene (Dassault	Mark Winstead (MITRE)	Gordon Hunt (Skayl, LLC); Alejandro Salado (The University of Arizona); Stu Frecking (Skayl, LLC); Bryan Mesmer (The University of Alabama in Huntsville); Marcell Padilla (CRL Technologies, Inc.); Anthony Edwards (Intrepid, LLC)	versus Biodiesel Transit Buses in Hawaii Fabio Silva, Nicole Chou, Nadia Fernandez Yarte, Huiqian Yang (University of Southern California)	Johan Cederbladh (Mälardalen university); Håkan Forsberg (Mälardalen University)
			(University of Kaiserslautern (RPTU))	Systemes)				
11.15 11.			Paper#137: 10.1.4 / Automated Legacy Documentation to SysML Conversion	Paper#212: 10.2.4 / Next Generation MBPLE with SysML v2: Feature Modeling, Variability Modeling and API Potentials	Paper#207: 10.3.4 / Behavior-based Confidence Scoring to Support Access Management in Zero Trust Systems	Presentation#194: 10.4.4 / Generalizing the Systems Engineering Vee: Introducing Time as a Third Dimension and Refining the Role of Analysis Tools	Paper#180: 10.5.4 / Early-Stage Digital Engineering for Complex Energy Decarbonization Projects	Paper#344: 10.6.4 / Engineering Hope via a Rapid Systems Engineering Approach to International Disaster Relief
11:15 11:	.55		Trent Johnson, Andrew Williams (Georgia Tech Research Institute)	Tim Weilkiens (oose eG); Marco Forlingieri (PTC); Vince Molnar (Budapest University of Technology and Economics)	David Schulker, Edward Wang, Jeffrey Mellon, Robert Garrett (Carnegie Mellon University Software Engineering Institute)	Alexander Busch (INCOSE SMSWG, Ansys)	Mark Unewisse, Stephen Cook, Matthew Wylie (Shoal Group Pty Ltd)	Calen Sims, Kathleen Ticer, David Gross (Florida State University)
12:00 13:	3:00	Break						
				Digital Transformation in Engineering Processes	Practical Applications of Systems Engineering	MBSE Frameworks for Complex Systems	Resilience Analysis and System Simulation	Verification and Validation in Model-Based Environments
				Phyllis Marbach, Gregory Parnell	Rick Steiner	Joe Gregory	Satya Kokkula	Hannes Hick, Mark Winstead
			Panel#295: 11.1 / Al in systems engineering, education and skills development	Presentation#77: 11.2.1 / From Standards to Systems: Insights on Digital Transformation and MBSE Integration	Presentation#106: 11.3.1 / 'Reclaiming the Engineering in Model-Based Systems Engineering: Refocusing MBSE on Practical System Engineering Outcomes	Paper#265: 11.4.1 / Navigating Complex Systems: A review of Systems Practice Frameworks	Paper#390: 11.5.1 / Bifurcation Analysis for System Resilience: A Case Study on Power Infrastructure	Paper#210: 11.6.1 / Successfully Integrating Early Validation and Verification in Industrial MBSE
13:00 13:	3:25		Moderator:Shamsnaz Bhada (Worcester Polytechnic Institute); Panelists: Ali Raz (George Mason University); Ananda Swarup (Alcon); Jyotirmay Gadewadikar (MITRE);	Leslie McKay (SAE International)	Kiffin Bryan, Eric Alexander, Megan Turner, Alan Bouchard (STC-Arcfield)	Dean Beale (Independent Researcher); Rudolph Oosthuizen (University of Pretoria); Ken Cureton (University of Southern California (Retired)); Eileen Arnold (Self); Andy Pickard (APICKARD LLC)	Rogelio Gracia Otalvaro, Bryan Watson (Embry-Riddle Aeronautical University)	Johan Cederbladh (Mälardalen university); Daniel Krems (AVL)
		Session 11		Presentation#292: 11.2.2 / Taking CI-CD DevOps to Digital Engineering Unit Testing, Model Assessments and Build Automation	Presentation#132: 11.3.2 / Applying Systems Engineering to Develop a Management Operating System at a National Laboratory	Paper#179: 11.4.2 / A Framework for Structuring Research Campaigns Leveraging Model Based Systems Engineering	Paper#364: 11.5.2 / Relationship between Adaptability and Resilience	Paper#178: 11.6.2 / Integrating configurator and model- based verification and validation to streamline the design process of large-scale ETO systems
13:30 13:	3:55			Robert Peters, Catherine Haggerty, Mark Petrotta (System Strategy, Inc)	Francisco Alvarez (Sandia National Laboratories)	Photi Karagiannis (Shoal Group Pty Ltd); Tommie Liddy (Turen); Matthew Wylie (Shoal Group Pty Ltd)	Haifeng Zhu (Boeing); Ken Cureton (University of Southern California); John Brtis (INCOSE); Eileen Arnold (ConsideredThoughtfully, Inc.); Scott Jackson (Burnham Systems)	Le Anh Hoang, Takahiro Omori, Mariko Sugimoto (Toshiba Corporation); Nobuyuki Suzuki (Toshiba); Kazuaki Yuuki (Toshiba Infrastructure Systems & Solutions Corporation)
				Paper#351: 11.2.3 / NASA's Hopes and Fears of Digital Engineering	Presentation#293: 11.3.3 / Insights from the Field: Applying the Capability & Maturity Assessment Framework	Paper#167: 11.4.3 / Appropriate Simulation Model Identification during Model-Based Systems Engineering	Paper#108: 11.5.3 / Integration of MBSE and Agile Development by Seamlessly Creating Test Plans from Mode Simulations in SDV Development	Paper#129: 11.6.3 / Performing verification and validation activities in a model-based environment
14:00 14:	1:25			Gregory Pierce (NASA's Johnson Space Center); Trevor Grondin (NASA's Langley Research Center); Nancy Noyes (NASA's Marshall Space Flight Center); Jason Kinney (NASA's Langley Research Center)	Jeremy Doerr, Michael Shearin, Zachary Connor, Michael King (Georgia Tech Research Institute)	Johan Cederbladh (Mälardalen university); Thomas Zimmermann (Fraunhofer Institute for Production Systems and Design Technology)		Rebecca Mulholland, Cameron Bentley, Jeffrey Williams (University of Alabama in Huntsville)
14:30 15:	::30	Plenary				gineeringand get others to Listen ristopher Newport University)		

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