

Time slots (CEST, GMT+2)

Monday (24 April 2023)

07:30 - 08:30								Registration							
08:15 - 10:00								Plenary Session 1: Welcome, EMEA Sector Director, Keynote 1							
Track		Track 1		Track 2		Track 3		Track 4		Track 5		Track 6 (Virtual)		Other meetings	
Room name		Sevilla 1		Espana 1		Espana 3		Espana 3		Espana 2		N/A		N/A	
Room Capacity		200		70		70		50		50		N/A		N/A	
10:00-10:30		Session 1 Sponsor - Exhibitor#212: 1.1 / Jama Software Systems Engineering for Regulated Product Development Systems Engineering; Regulated Product Development		Sponsor - Exhibitor#214: 1.2 / Semantic Systems Engineering - A case study with SAFRAN Group ARP4754; ontologies; requirements; traceability; MBSE; quality assessment; test cases		Sponsor - Exhibitor#215: 1.3 / Tom Sawyer Software How to Visualize Systems Models with Tom Sawyer Model-Based Engineering		Sponsor - Exhibitor#217: 1.4 / INGENIERIA DE SISTEMAS PARA LA DEFENSA DE ESPAÑA SA SME MP - ISDEFE		Special Session#101: 1.5 / SEP Test					
10:30 - 11:00								Coffee Break in front of Plenary Hall							
11:00 - 11:45		Session 2 Special Session#102: 2.1.1 / INCOSE Vision 2035 Heinz Stoewer		Presentation#34: 2.2.1 / Realizing Digital Threads for engineering of sustainable products Eran Gery (IBM)		Paper#1: 2.3 / An MBSE Approach for Argonaut Alberto Gonzalez Fernandez, Elaheh Maleki, Ludovic Duvet, Manon Tarrade (European Space Agency)		Workshop#131: 2.4 / Empowering Women Leaders in SE & Diversity, Equity and Inclusion Awareness Anabel Fraga, Stueti Gupta		Special Session#101: 1.5 / SEP Test		Presentation#42: 2.6.1 / Engineering Sustainable Astronomical Research Infrastructure Kayla Hardie, Gelys Trancho, Sarah Gajadhar (TMT International Observatory)			
11:45 - 12:30		Special Session#103: 2.1.2 / Introduction of Future of Systems Engineering (FuSE) initiative William Miller, Ralf Hartmann		Presentation#35: 2.2.2 / Next-Generation Completeness and Consistency Management in the Digital Thread of the Future Ákos Horváth (IncQuery Labs)		Tutorial#121: 3.3 / From Operational Concept Development to Systems Architecture Definition with SysML and MBSE Grid approach Aurelijus Morkevicius, Aiste Aleksandraviciene (DASSAULT SYSTEMES)						Paper#16: 2.6.2 / Context is Everything! Matthew House, David Hetherington, Chad Bear (SSI)			
12:30 - 13:30								Lunch and Sponsor visits @ market place							
13:30 - 14:15		Session 3 Special Session#110: 3.1 / FuSE Session 1: How might we advance Systems Engineering Methodologies to Engineer a more Sustainable World? A FuSE Workshop		Workshop#132: 3.2 / Past, Present and Future of Systems Science as a Scientific Foundation of SE Javier Calvo-Amodio, James Martin		Tutorial#121: 3.3 / From Operational Concept Development to Systems Architecture Definition with SysML and MBSE Grid approach Aurelijus Morkevicius, Aiste Aleksandraviciene (DASSAULT SYSTEMES)		Workshop#133: 3.4 / Setting a common Systems Engineering Language: How concepts mapping can help Jean Duprez		Presentation#50: 3.5.1 / How to apply for CSEP? Courtney Wright, Joshi Mrunmayi (INCOSE) Presentation#30: 3.5.2 / How to Apply for ESEP Courtney Wright, Frederic Autran (INCOSE)		Paper#4: 3.6.1 / UAE's Energy System and GHG Emissions Reduction Pathways to Achieving National Goals by 2050 Ammar Hummieda, Ali Bouabid (Khalifa University)			
14:15 - 15:00		Chris Hoffman, Martina Feichtner, Stephan Finkel								Presentation#29: 3.5.3 / How to Apply for Academic Equivalency Courtney Wright, Bernardo Delicado (INCOSE) Presentation#51: 3.5.4 / Impact of INCOSE Systems Engineering Handbook update on Certification Process Courtney Wright, Joshi Mrunmayi (INCOSE)		Paper#8: 3.6.2 / Interoperable Smart and Sustainable Urban Energy Systems (ISSUES) Anabel Fraga (UC3M University); Raul Pastor (Seam, UC3M University); Luis López-Cozar (Azentúa)			
15:00 - 15:30								Coffee Break in front of Plenary Hall							
15:30 - 16:15		Session 4 Special Session#104: 4.1.1 / Redefining and customizing the validation strategy to ensure accomplishment of UNESCO's Sustainable Development Goals. Alberto Sols		Presentation#25: 4.2.1 / The ENYSE journey to build innovative and more sustainable products Almudena Duran Peña (IBM)		Tutorial#121: 3.3 / From Operational Concept Development to Systems Architecture Definition with SysML and MBSE Grid approach Aurelijus Morkevicius, Aiste Aleksandraviciene (DASSAULT SYSTEMES)		Workshop#134: 4.4 / Smart Cities Initiative Metrics and UN Sustainability Goals : How to make it a perfect match Jennifer Russell, Marcel Van de Ven, Matthew House		Workshop#135: 4.5 / Natural Systems Curt McNamara, Gary Smith, Kai Costantini		Paper#12: 4.6.1 / Circular human sphere – The conceptual development of embedding a social pillar in the Circular Economy framework Leandi Van der Linde, Siebert Benade (GSTM University of Pretoria)			
16:15 - 17:00		Paper#2: 4.1.2 / Engineering a sustainable world by enhancing the scope of systems of systems engineering and mastering dynamics Rasmus Adler, Frank Elberzhager, Florian Balduf (Fraunhofer IESE)		Presentation#55: 4.2.2 / Challenges of systems engineering approach for innovative technologies Kelly Lance (Nova Systems)								Presentation#44: 4.6.2 / Evolving the Systems Engineering Discipline to Address Global Challenges Michael Pennotti, David Rousseau, Peter Brook (INCOSE Fellow)			
17:00 - 17:30								Plenary Session 2: Workshop Feedback and announcements							
17:30 - 18:00								Personal Time							
18:00 - 20:00								ICE BREAKER @ market place							

Registration from 07:30 - 16:15

Time slots (CEST, GMT+2)

Tuesday (25 April 2023)

07:30 - 08:15							
08:15 - 09:15							
Registration							
Plenary Session 3: Keynote 2							
Track	Track 1	Track 2	Track 3	Track 4	Track 5	Track 6 (Virtual)	Other meetings
Room name	Sevilla 1	Espana 1	Espana 5	Espana 3	Espana 2	N/A	
Room Capacity	200	70	70	50	50	N/A	
09:15 - 09:45	Session 5 Sponsor - Exhibitor#219: 5.1 / Systems Engineering Tools Evolution Towards a Sustainable Devops Evolution; Tools; IBM; Devops; CI/CD	Sponsor - Exhibitor#218: 5.2 / Dassault Systèmes Embarking on a Sustainable Journey by Leveraging MBSE with UAF MBSE; UAF; SysML	Sponsor - Exhibitor#221: 5.3 / Project Performance International	Sponsor - Exhibitor#222: 5.4 / Bridging the Gap: What MathWorks Brings to MBSE Model-Based Systems Engineering; Model-Based Design; Digital Engineering	#N/A		
09:45 - 10:30	Session 6 Presidential Address	Presentation#40: 6.2 / SE application in Nuclear Big Science Sebastiaan Voorderhake (Belgian Nuclear Research Centre)	Tutorial#123: 6.3 / Enabling Architecture Thinking by using Architecture Spaces Anand Kumar	Paper#22: 6.4 / Keeping People First in the Smart Cities Enterprise Matthew Hause (SSI); Lars-Olof Kihlström (Syntell AB); Jennifer Russell (Garver)	Presentation#49: 6.5 / Digital Interface Management System (DIMS) Joshi Mrunmayi (ISAE Supaero); Mudit Mittal (Blue Kei)	N/A	
10:30 - 11:00							
Coffee Break in front of Plenary Hall							
11:00 - 11:45	Session 7 Panel#171: 7.1 / The Archimedes Initiative: a Global Research Network Moderator: Dinesh Verma (Stevens Institute of Technology); Panelists: Wouter Leibbrandt (TNO/Embedded Systems Institute (ESI)); Tom McDermott (Stevens Institute of Technology); Martin Törngren (KTH Royal Institute of Technology); André Bolles (Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR));	Special Session#107: 7.2 / FuSE Session 2: Extend the SE Vision 2035's Systems Engineering Challenges and Roadmap with active contribution by the EMEA participants Paul Schreinemakers, Martina Feichtner, Stephan Finkel	Tutorial#123: 6.3 / Enabling Architecture Thinking by using Architecture Spaces Anand Kumar	Workshop#136: 7.4 / Sustainability enabled by Configuration Management Adriana D'Souza	Workshop#137: 7.5 / Lean Healthcare Systems Engineering Process for Clinical Environment Bo Oppenheim	Presentation#26: 7.6.1 / Study on the relationship between leadership and management from a Systems Engineering perspective Anabel Fraga (Universidad Carlos III de Madrid); Natalie Davila-Rendon (LMCO); Raymond Wolfgang (Sandia); Luis Andes (AKKODIS); Francesco Dazzi (INAF - National Institute for Astrophysics); Elena Gallego Palacios (Thales); Adam Williams (Sandia)	
11:45 - 12:30						Presentation#52: 7.6.2 / Exploring Explainable Artificial Intelligence to aid Systems Engineers in Design and Evaluation of Complex Systems Ali K. Raz, Shou Matsumoto, Paulo Costa (George Mason University)	
12:30 - 13:30							
Lunch and Sponsor visits @ market place							
13:30 - 14:15	Session 8 Special Session#108: 8.1 / FuSE Session 3: Systems Engineering Foundations: An experiment on the Conservation of Complexity. A FuSE Workshop Joshua Sutherland, Martina Feichtner, Stephan Finkel	Workshop#138: 8.2 / Hazardous Waste Treatment Moshe Katz	Tutorial#123: 6.3 / Enabling Architecture Thinking by using Architecture Spaces Anand Kumar	Workshop#139: 8.4 / PM-SE Integration : Focus on a serious game for students on eco-design considerations Jean-Claude Roussel, Jean-François Veron, John Lomax, Daniel Prun	Workshop#140: 8.5 / Requirements Use Case on Sustainability Tami Katz, Lou Wheatcraft, Jean Duprez	Paper#3: 8.6.1 / MBSE Maturity Levels in European Railway Sector Marc Sango (SNCF)	
14:15 - 15:00						Paper#7: 8.6.2 / Creating a general Collaborative Systems Thinking Culture in 7-steps for any organization and any sustainability application Anabel Fraga (Universidad Carlos III de Madrid); Mickael Bouyaud (Ingenico); Natalie Davila-Rendon (Lockheed Martin Corporation); Raymond Wolfgang (SANDIA); Alex Deng (SNCLavalin Atkins); Jean Duprez (Airbus); Leema John (Eli Lilly & Company); Ryan Noguchi (Aerospace Corp.); Erika Palmer (Cornell University); Jay Patel (Lockheed Martin Corporation); Maria Romero (Aerospace Corp.); Michael Wozniak (Lockheed Martin Corporation)	
15:00 - 15:30							
Coffee Break in front of Plenary Hall							
15:30 - 16:00							
Plenary Session 4: Workshop Feedback and announcements							
16:00 - 17:00							
Personal Time							
17:00 - 20:00							
Social Event: Real Alcazar							

Registration from 07:30 - 16:15

Time slots (CEST, GMT+2)

Wednesday (26 April 2023)

07:30 - 08:15								Registration							
08:15 - 09:15								Plenary Session 5: Keynote 3							
Track	Track 1		Track 2		Track 3		Track 4		Track 5		Track 6 (Virtual)		Other meetings		
Room name	Sevilla 1		España 1		España 5		España 3		España 2		N/A				
Room Capacity	200		70		70		50		50		N/A				
09:15 - 09:45	Session 9		Sponsor - Exhibitor#213: 9.2 / Jama Software IT Tools for Systems Engineering Systems Engineering; IT Tools		Sponsor - Exhibitor#220: 9.3 / Sustainable Engineering using PLE with IBM solutions PLE; IBM; PureVariants		#N/A		#N/A						
09:45 - 10:30	Session 10	Technical Director Address		Paper#10: 10.2 / Utilization of integrated simulation modeling for process flow analysis and improvement in the Emergency Department Aleksander Buczacki (Warsaw University of Technology); Ali Ghobadi (Kaiser Permanente Bernard J. Tyson School of Medicine, Department of Clinical Science, Pasadena, CA); Hassan Movahedi (Kaiser Permanente Orange County); Bohdan Oppenheim (Loyola Marymount University)		Paper#11: 10.3 / Perspectives on Models Erik Herzog (SAAB AB); Johanna Axehill (Saab AB); Åsa Nordling Larsson (Saab)		Presentation#54: 10.4 / Unifying the views of ecological and engineering resilience in applications of coupled human systems modelling for sustainable development Steve Conrad (Colorado State University)		Presentation#53: 10.5 / Transformation Challenges in Transportation Industry and IVECO Group Approach Tugrul Yildirim, Felice Radogna, Ayman Mokdad (IVECO Group)		#N/A			
10:30 - 11:00								Coffee Break in front of Plenary Hall							
11:00 - 11:45	Session 11	Special Session#105: 11.1 / FuSE Session 4: Extending systems engineering application to address climate change Gerhard Krinner, Tom Strandberg, Martina Feichtner, Stephan Finkel		Workshop#145: 11.2 / Human System Integration (HSI) for Sustainability Guy Boy, Christophe Merlo, Avi Harel, Grace Kennedy, Gauthier Fanmuy, Jean-Jacques Speyer, Stéphane Vales		Workshop#142: 11.3 / What if Architecture is a lever of Sustainability for Complex Systems Christophe Surdieu, Jean-Luc Wippler, Prakhari Agarwal, Stephane Rivet, Olivier Klotz		Workshop#147: 11.4 / Academic Council in EMEA Sector Alejandro Salado, Rob Vingerhoeds		Workshop#144: 11.5 / Systems and SoS Engineering challenged to support EU's ambitious sustainability plans (focus on the 100% Electric Vehicle @2035 case) Yann Chazal, Mickael Bouyau, Stephen Powley, Alain Dauron, philippe Bouteyre		Special Session#111: 11.6.1 / Systems Thinking: From Pioneering to Mainstream Mike Jackson			
11:45 - 12:30												Paper#17: 11.6.2 / Automatic creation of trace links based on model content and meta data Martin Leo Valdivia Dabringer, Carina Fresemann, Rainer Stark (Technische Universität Berlin)			
12:30 - 13:30								Lunch and Sponsor visits @ market place							
13:30 - 14:15	Session 12	Panel#172: 12.1 / Architecting sustainable infrastructure projects Moderator: Rashmi Jain (Montclair State University); Panelists: Michael Salvato (Mott MacDonald); Yoshimasa Masuda (Carnegie Mellon University); Mark Enzer (Mott MacDonald); Naohiko Kohtake (Keio University);		Workshop#141: 12.2 / Architecting Sustainable Systems Anand Kumar, Gary Smith, Mickael Bouyau, Peter Bernus		Workshop#146: 12.3 / Human Centric Artificial Intelligence for Sustainable SE Herve Panetto, Barclay Brown, Nouria Oliver, Plamen Angelov, Tom McDermott, Ali K. Raz		Workshop#143: 12.4 / Integration of Sustainable Development and Societal Responsibility in SE education : the example of Aquapoinc Greenhouse project Christophe Merlo, Rob Vingerhoeds		Workshop#148: 12.5 / ISO STEP Standard and Systems Engineering Pascal Hubert, Kyle Hall, Juan Carlos Mendo		Presentation#47: 12.6.1 / System Engineering approaches to achieve sustainability transformation within industries Mikaël Le Mouëllic, Laurent Alt (BCG)			
14:15 - 15:00												#N/A			
15:00 - 15:30								Coffee Break in front of Plenary Hall							
15:30 - 16:30								CLOSING SESSION: Workshop Feedback, Awards							

Registration from 07:30 - 16:15