**In person (IST)**

**Tuesday, July 2**

10:00-10:40  **ANDES, the high-resolution spectrograph for the ELT: the adoption of Model-Based Systems Engineering approach**
Alessio Zanutta

10:00-10:40  **A Proposal for Model-Based Systems Engineering Method for Creating Secure Cyber-Physical Systems**
Gerrit Muller

Garret Fitzpatrick

14:15-14:55  **Extending Systems Engineering for Safety-Critical Defence Applications**
Katia Potiron

15:30-16:10  **Developing an Integrated Mission Simulation to Evaluate Technology Impact on Military Scenarios**
Tara Sarathi

15:30-16:10  **Engineering in the Digital Age – Revolutionize Digital Engineering with MBSE**
Prof. Dr.-Ing. Lydia Kaiser

**Wednesday, July 3**

10:00-12:10  **MBSE Lightning Round**
Daniel Call, Yilong Yang, Sean Flanagan, Ryan Noguchi, Terry R. Hill

10:00-10:40  **An MBSE group project challenge as a learning experience for Masters degree students**
Paul Davies

13:30-14:10  **Accelerating Digital Transformation through MBSE, Multi-physics Simulation and Digital Twin in Industry**
Jacques Martinez

14:15-14:55  **The A to Z for Implementing a Digital Transformation on a Systems Project**
Kerry Lunney

16:15-16:55  **The Digital Engineering Factory: Considerations, Current Status, and Lessons Learned**
Joe Gregory

17:00-17:40  **How the INCOSE Model-Based Capability Matrix has Steered Model-Based Systems Engineering Transformation at NASA**
Gregory Pierce

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Program subject to change - please check the symposium website (www.incose.org/symp2024) for any updates.
Thursday, July 4

10:00-10:40  **Enhancing Data-Driven Decision Making through MBSE**  
Greg Parnell

10:00-10:40  **How to Develop a Digitization Plan for Standards**  
Leslie McKay

10:45-11:25  **One Model to Rule them All ... and Through Emergence, Bind Them**  
Jawahar Bhalla

11:30-12:05  **Digital Data Packages: Making the Digital Thread Work**  
David Long

13:30-14:55  **Panel: Peace, Love, and Digital Understanding: How system models will bring us all together**  
Moderator: Kirsten McCane  
Panelists: Becky Petteys, Dennis Reed, Cristina Valera Munoz, Risa Gorospe, Alexandra Beaudouin

14:15-14:55  **Practice to adapt MBSE as agility enabler to the agile software development for mobility platforms**  
Daisuke Hashimoto

15:30-16:10  **Enabling Digital Engineering with Federated PLM – Experiences from the Heliple-2 Project**  
Jad El-Khoury

16:15-16:55  **Integrating AI with MBSE for Data Extraction from Medical Standards**  
Mohammad Chami

16:15-16:55  **Towards a Systems Engineering Ontology Stack**  
Joe Gregory

Friday, July 5

09:00-09:40  **Digital Engineering Capability Guidance and Maturity Assessment Framework**  
Michael Shearin

09:00-11:10  **Panel: Building the digital bridge between MBSE and Engineering Simulation**  
Moderator: Phyllis Marbach  
Panelists: Bernardo Delicado, Tim Morris, Alexander Busch, Hans Peter DeKoning

11:15-11:55  **Excuse me Sir/Madam, which Model?**  
Erik Herzog

Saturday, July 6

08:00-17:00  **Tutorial: Open Source System Modeling with Python**  
Ryan Longshore

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