

INVITATION & PROGRAM FOR JANUARY 21, 2025

CONFERENCE DAY ON

APPLYING MODELING & SIMULATIONS FOR ENGINEERING DESIGN OF COMPLEX SYSTEMS

מוסד נאמן | בניין פורשהיימר | אולם בטלר | טכניון חיפה

ORGANIZED BY THE GORDON CENTER FOR SYSTEMS ENGINEERING
WITH THE SUPPORT OF IAI, RAFAEL, INCOSE_IL

IN CONJUNCTION WITH JOSEPH LEWIN DAY FOR SYSTEMS ENGINEERING



08:00-09:00 **Gathering & Light Breakfast**

09:00-09:30 **Opening:**

- Prof. Yossi Ben-Asher- **The Gordon Center for Systems Engineering, Technion**
- A Representative of **ISRAEL AEROSPACE INDUSTRIES (IAI) Management**
- A Representative of **Rafael Advanced Defense Systems Management**
- INCOSE Israeli Chapter (INCOSE_IL) President
- Joseph Lewin Family
- Excellent Engineers Systems Awards Ceremony

09:30-10:00 **Asaf Lewin, CEO, Sim Dot Space Ltd-The Next Generation of System Level Simulations - Innovations and Trends**

10:00-10:30 **Dr. Kobi Reiner, Rafael Advanced Defense Systems Ltd - Modeling and Simulations in Complex System Engineering**

10:30-11:00 **Sergey Tozik, TAU, BGU- Reverse System Design for Integrators**

11:00-11:30 **Coffee Break**

11:30-12:00 **Prof. Yael Dubinsky, KAKAL Zemach Kinneret Investments & Development Ltd.- AGASIM: Managing Design Activities in Complex Systems**

12:00-12:30 **Dr. Ofir Shore, Rafael Advanced Defense Systems Ltd - Breakthrough Research for the Development of Composite Aerospace Structures**

12:30-13:00 **Dr. Arcady Lichtsinder, Rafael Advanced Defense Systems Ltd – Similarity and Duality of Friction and Backlash in the Control System Design**

13:00-13:30 **Prof. Igor Verner, Technion - Models and Simulations in Education for Design and Operating Engineering Systems**

13:30-14:15 **Lunch Break**

14:15-14:45 **Dr. Sharon Shoshany - Tavory, Technion- Panel Moderator - Challenges & Dilemmas in Applying Modeling & Simulations for Designing Complex Systems**

14:45-15:15 **Roni Peer, Systematics - Digital Engineering – from MBSE to Design and Simulations**

15:15-15:45 **Prof. Dov Dori, Technion - How to Synchronize Simulations Environments? A New Model-Based Standard**

15:45-16:00 **Summary & Conclusion, Prof. Yossi Ben Asher, Dr. Avigdor Zonnenshain**

Registration for the symposium is free

Please confirm your registration by 10.01.25 via the link below:

[Registration to the Systems Engineering Seminar 21.01.2025](#)