

The 11th Israeli International Conference on Systems Engineering

March 16-17, 2021

Systems Engineering in the Age of Disruptions and Transformations



Chair: Prof. Yoram Reich, Tel Aviv University
Call for abstracts
www.incoseil.org/incose_il2021

**ONLINE
CONFERENCE**

During the last year, we have witnessed significant transformations to our reality, disrupting existing systems and affecting the development of new systems. Disruptions like COVID-19 or digitization change the way we are used to thinking and acting. At the 11th International Conference on Systems Engineering, we will attempt to grasp the changes that such and other disruptions demand from us, Systems Engineers, when we respond to today's and future challenges.

Conference objectives

- Develop Systems Engineering professionalism.
- Promote Systems Engineering innovation, knowledge and experience sharing.
- Strengthen the connections between the Systems Engineering communities in Israel and abroad.
- Enhance the relations between Systems Engineers in industry, academia and government organizations.

Conference organization

- The conference will be conducted virtually, allowing participants from abroad to easily attend and enrich the audience with their expertise. Lectures will be presented in English enabling all participants to benefit.
- The two-day conference shall include keynote lectures and parallel sessions.
- Some lectures will be invited and others will be offered by the community, responding to the Call for Abstracts.

Call for abstracts

Following the practice of INCOSE_IL and the support of the Gordon Center for Systems Engineering at the Technion, we are delighted to invite you to submit abstracts describing new approaches, successful implementations and tools that correspond to the conference topics. The submission will be in two stages:

- **First**, submit a 400 word abstract formatted according to the template in the [link](#).
- **Second**, submit a revised abstract following the program committee's comments. Submission of a full paper is also possible at this stage. The mechanism for publication will be determined later.

Important Dates


● Abstract submission deadline	Jan 1st, 2021
● Notification of acceptance	Jan 20th, 2021
● Revised abstract submission to the session chair (including a full paper if desired)	Feb 21st, 2021
● Presentation submission	Mar 10th, 2021


Each accepted abstract will entitle one presenter to free conference admission.

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Conference topics:

- Impact of Systems Engineering on the business aspect
- Model Based Systems Engineering (MBSE)
- Design, flexibility and agility of complex systems
- Interfaces between the system engineer and the project manager
- Development of complex systems and systems of systems
- Systems Engineering in health, transportation, and other areas
- Systems development in a digital environment (IoT, Industry 4.0)
- Leadership, innovation, systemic and creative thinking and other game-changing skills in Systems Engineering
- Human Systems Integration (HSI)
- Systems Engineering in start-up companies
- Systems Engineering and sustainability
- Innovative teaching methods for Systems Engineering
- Development of learning and adaptive systems
- Simulations and system optimization
- Integration of AI, big data and other information technologies in Systems Engineering
- Methodologies, tools and metrics for Systems Engineering
- Methods for integrating, testing, verifying and validating systems
- Education of Systems Engineers in the age of digital revolution
- Educating young people in Systems Engineering
- and any other topic that matches the spirit of the conference

Organizing committee:

- **Eitan Davidov**, Chair
- **Prof. Yoram Reich**, Tel Aviv University, Conference General Chair
- **Dr. Ram Oron**, President, INCOSE IL
- **Prof. Amir Tomer**, Kinneret Academic College
- **Moshe Salem**, General Manager, INCOSE IL
- **Shmuel Auster**, Chair, IEEE Israel Section

Program committee (partial list):

- **Prof. Yoram Reich**, Chair
- **Ruth Abayev**, Mavenir
- **Dr. Shalom Cohen**, Intel
- **Prof. Dov Dori**, Technion
- **Dr. Yael Dubinsky**, Kinneret Academic College
- **Almog Guy**, Intel
- **Ami Harel**, E2ES
- **Dr. Sigal Kordova**, Ariel University
- **Dr. Moti Leibowitz**, Ben Gurion University
- **Dr. Yaniv Mordecai**, Motorola Solutions
- **Prof. Dr. Juergen Mottok**, OTH Regensburg, Germany
- **Uzi Orion**, Tel Aviv University
- **Dr. Ram Oron**, Orbotech
- **Paz Rosenberg**, HP Indigo
- **Moshe Salem**, INCOSE IL
- **Dr. Avi Shaked**, Israel Aerospace Industries (IAI)
- **Dr. Miri Siton**, CRG Engineering
- **Prof. Arnon Sturm**, Ben Gurion University
- **Dr. Meir Tahan**, Brauda College
- **Mimi Timnat**, Elbit Systems
- **Prof. Amir Tomer**, Kinneret Academic College
- **Sergey Tozik**, Independent
- **Dr. Moshe Weiler**, Technion, Tel Aviv University
- **Dr. Michael Winokur**, Holon Institute of Technology
- **Dr. Avigdor Zonenshain**, Gordon Center, Technion