

Lectures schedule

**JUNE
18**

18:00-19:00 | Innovation management in an industrial organization

+ **Mr. Noam Goldstein**, Executive vice president, operational excellence, innovation & energy, ICL
Session Chair: **Dr. Zuk Turbovich**

**JUNE
19**

9:00-10:00 | Opening remarks and welcoming address

+ **Prof. Semyon Levitsky**, President of SCE
+ **Prof. Jehuda Haddad**, Rector of SCE

Using human-centred design to drive development

+ Keynote talk: **Prof. Barnabas Wetton**, Design School Kolding, Communication Design
Session Chairs: **Prof. Ariela Burg**
Dr. Gedalya Mazor

**JUNE
21**

10:30-12:30 | From idea to impact: design skills for sustainable development

+ **Dr. Elad Persov**, Bezalel
Session Chair: **Ms. Nino Biniashvili**

Session 1 Session Chair: **Dr. Dagan Bakun-Mazor**

12:00-12:10 | Yogev Yehezkel, Green Engineering, SCE

Development of a convenient, inexpensive and time-saving dicentric-like assay for easy determination of exposure to ionizing radiation

12:10-12:20 | Damian Alejandro Kischinovsky, Green Engineering, SCE

In silico catalytical properties analysis of a novel prenyltransferase from Pistacia palaestina

12:20-12:30 | Amir Hattab, Mechanical Engineering, SCE

Adaptive optimal control based on particle swarm optimization of a thin-walled rotating ring with piezoelectric patches - preliminary thesis results

12:30-12:40 | Gal Tamsut, Mechanical Engineering, SCE

Active damping of a submerged cantilever beam under sloshing based on optimal control approach - preliminary thesis results

12:40-12:50 | Slava Demin, Electrical and Electronics Engineering, SCE

A novel topology of fault current limiter

12:50-13:00 | Offri Rashti, Civil Engineering, SCE

Structural behavior of carbon-fiber textile reinforced concrete elements under flexural loading

**JUNE
22**

Session 2 Session Chair: **Dr. Elad Priel**

12:00-12:10 | Prof. Hilf Juliana, University of Magdeburg

Education for sustainable development: how to become a change maker

12:10-12:20 | Prof. Krull Claudia, University of Magdeburg

Virtual stochastic sensors for smart meters - enabling energy savings analysis by reconstructing individual appliance consumption patterns from a cumulative smart meter reading

12:20-12:30 | Prof. Magdowski Mathias, University of Magdeburg

Electromagnetic compatibility for renewable energy systems

12:30-12:40 | Prof. Juri Belikov, Tallinn University of Technology

The fusion of IT and energy

12:40-12:50 | Prof. Scheffler Franziska, University of Magdeburg

Thermal energy storage (TES) - one keystone in energy transition

12:50-13:00 | Prof. Scheffler Michael, University of Magdeburg

Sustainable energy supply – sources, generators and their combinations

13:00-13:10 | Prof. Halle Thorsten, University of Magdeburg

Lightweight construction with high-strength steels

Session 3 Session Chair: **Ms. Talia Gersh**

12:00-12:40 | Amazon representative