



January 30 , 2023

You are cordially invited to attend the "Train the Trainers" event to be held at the Technion in Haifa, Israel, as part of the SEAMAC project. The event will take place from February 19th to 23rd, 2023.

During the event, you will have the opportunity to gain valuable insights and knowledge on the latest materials for metal additive manufacturing techniques and methodologies, as well as network with other professionals in our project. The Technion, one of the leading universities in Israel, is an ideal location for this event and we are honored to host it at our institution.

We would be delighted if you could join us for this exciting and informative event. Please see the planned agenda below.

Prof. Shmuel Osovski
Faculty of Mechanical Eng.

Prof. em Menachem Bamberger
Faculty of materials science and Eng.

Mr. Shai Essel,
Business development and strategy Director
Israel Institute of materials manufacturing technologies-Technion TRDF.

Agenda for Train the trainers SEAMAC project – Technion
19.2.2023 – 23.2.2023

Technion – The Israel Institute of Materials Manufacturing Technologies

Sunday 19.2.23

10:00-10:30	Welcome and gathering
Theoretical lectures	
10:30-12:00	Physical processes responsible for a quality of as printed products - Dr. Alex Katz
12:00-13:00	Advanced characterization techniques for metal AM- Dr. Shmuel Arieli
13:00-14:00	Lunch
Practical	
14:00-15:00	XRD, Electron microscopy center tour
15:00-16:00	DfAM, powder Visit AM lab and powder lab - Strokin Evgeny
18:00	Working dinner

Monday 20.2.23

Theoretical lectures + Practical	
09:00	Pick-up in from of the hotel
9:30-11:00	Basics of powder technologies: main principles , production , theory of sintering -Dr. Alex Katz
11:00-11:45	Binder jetting +LMI– Denis Zolotaryov/ Dr. Gary Muller
11:45-12:15	Binder jetting lab visit– Denis Zolotaryov/ Dr. Gary Muller
12:15-14:00	Lunch
14:00-14:45	Process simulation - Prof Menahem Bamberger
14:45-15:30	DBS laser metal processing – Dr. Aleksey Kovalevsky
15:30-16:00	DBS laser metal processing lab visit- Dr. Aleksey Kovalevsky

Tuesday 21.2.23

Industrial tour	
9:00	Pick up from the hotel
10:30-12:00	Visit Tritone https://tritoneam.com/
12:00-13:00	Lunch
14:00-15:30	Visit Civan lasers https://www.civanlasers.com/
18:00	Working Dinner

Wednesday 22.2.23

Theoretical lectures + Practical	
9:00	Pick up from the hotel
09:30-10:15	Defects and properties – Prof Shmuel Osovski
10:15-11:00	Experimental and computational analysis tools – Prof Shmuel Osovski
11:45-13:15	Visit Kanfit3d
13:15-14:15	Lunch
14:15-15:45	Visit Let-Lab Ham-let innovation lab

Thursday 23.2.23

Theoretical lectures + Practical	
9:00	Pick up from the hotel
09:30-11:00	Failure analysis of AM parts - Dr. Shmuel Arieli
11:00-11:45	NDT tools for AM- Artyom Ivanov
11:45-12:30	Project management – Shai Essel
12:30-13:30	Lunch
13:30-15:30	Practical AM lab – software's and design – Strokin Evgeny / Artyom Ivanov
15:30-16:00	Summary



Additional Information:

Contact information:

Keren Zohar Hauber – +972 (0)527500976

Shai Essel - +972 (0)547626743

IMT head office +972 (0)48294474/3

**Meeting address: Israel institute of Metals (Material science building) –
De-Jour building floor 3- IMT meeting room.**

(<https://goo.gl/maps/cB7d1JRNuGdyBASBA>)