



May 8 , 2023

You are cordially invited to attend the "summer school preparation" event to be held at the Technion in Haifa, Israel, as part of the SEAMAC project. The event will take place from May 28th to June 1<sup>st</sup>, 2023.

During the event we will prepare the summer school which will be held at the Technion in September. During this week we will prepare the summer school which will be held at the Technion in September 2023. We will focus on materials for AM, finalize all the details of the summer school and practical experience. We would be delighted if you could join us for this event. Please see the planned agenda below.

Prof. Shmuel Osovski  
Faculty of Mechanical Eng.

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

Mrs. Keren Zohar Hauber,  
Head of R&D  
Israel Institute of materials manufacturing technologies- Technion TRDF.



**Agenda summer school preparation SEAMAC project – Technion**  
**28.5.2023 – 1.6.2023**

Technion – The Israel Institute of Materials Manufacturing Technologies

**Sunday 28.5.23**

|             |  |
|-------------|--|
| 10:00-10:30 | <b>Welcome and gathering</b>                           |
| 10:30-13:00 | An introduction with the planned summer school content |
| 13:00-14:00 | <b>Lunch</b>   |
| 14:00-16:00 | Planning theoretical lectures on AM introduction       |

**Monday 29.5.23**

|             |  |
|-------------|--|
|             |  |
| 9:30-11:30  | Planning theoretical lectures on AM design                         |
| 11:30-13:00 | Practical work – powder characterization                           |
| 13:00-14:00 | Lunch  |
| 14:00-15:30 | Practical work – powder preparation                                |
| 15:30-16:30 | Planning theoretical lectures on alloys for AM and post treatments |

**Tuesday 29.5.23**

|             |   |
|-------------|---|
| 9:30-11:00  | Planning theoretical lectures on future challenges and failure analysis in AM |
| 11:00-13:00 | Practical work – metallurgical lab  |
| 13:00-14:00 | Lunch   |
| 14:00-15:30 | Planning theoretical lectures on Metal laser welding                          |
| 15:30-17:00 | Determination of social activities for the summer school                      |
| 18:30       | Working dinner  |



**Wednesday 30.5.23**

|             |   |
|-------------|---|
| 9:30-11:00  | Planning theoretical lectures on process simulation |
| 11:00-12:00 | Planning industrial tours                           |
| 12:00-13:00 | Practical work – AM labs                            |
| 13:00-14:00 | Lunch   |
| 14:00-15:00 | Visitors center – Technion                          |
| 15:00-16:30 | Practical work- high power laser lab                |

**Thursday 1.6.23**

|             |   |
|-------------|---|
| 09:30-11:00 | Planning theoretical lectures on quality, NDT and safety aspects for AM |
| 11:00-13:00 | Practical work- advanced characterization                               |
| 13:00-14:00 | <b>Lunch</b>  |
| 14:00-15:00 | Finalizing administrative part for the summer school                    |
| 15:00-15:30 | Summary   |

**Additional Information:**

**Contact information:**

**Keren Zohar Hauber – +972 (0)527500976**

**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> )**