

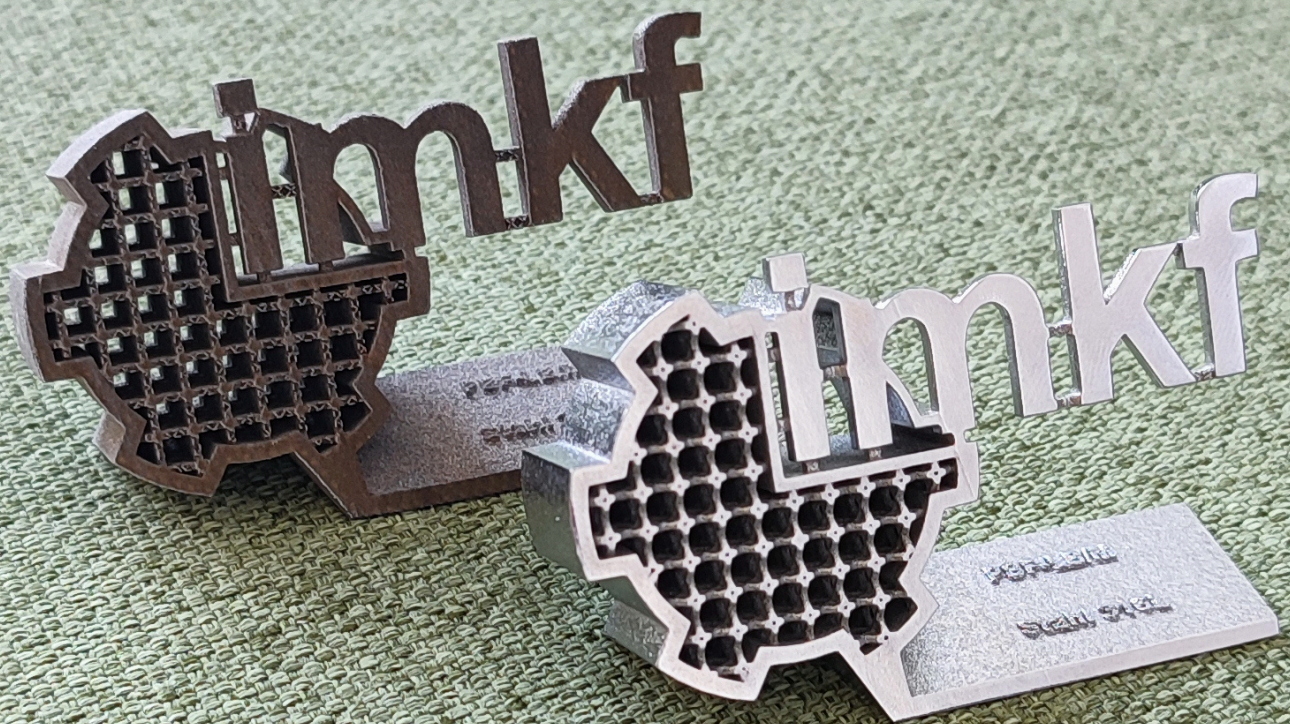


TUBAF

The University of Resources.
Since 1765.

INTERNATIONAL SUMMER SCHOOL

Additive Manufacturing and Post-Processing with Plasma-Electrolytic Polishing



01.-07.09.2024 (SUN-SAT)
FREIBERG (DE)

[Click here
to register
or scan QR](#)



Funded by
the European Union



UNIVERSITY
OF LJUBLJANA

FS

Faculty of
Mechanical Engineering



TECHNION
Israel Institute
of Technology



Learn all the steps, from Additive Manufacturing (AM) to post-processing of AM metal parts. Gain a thorough insight into Plasma-Electrolytic Polishing (PeP) by numerous hands-on activities, allowing you to directly apply what you've learned.

SUN
01

Networking and connection building

- Registration
- Introduction of participants: expectations and interests
- Social event will be published on www.seamac.si

MON
02

Introduction to AM

- Additive manufacturing and multi-material processing
- Post-processing of AM parts
- Hands-on session on AM of metals: preparation and printing

TUE
03

Introduction to Plasma-Electrolytic polishing

- Ins and outs of PeP
- Electrolytes: chemistry and practical aspects
- Process monitoring

WED
04

Complex parts

- Polishing solutions for complex parts
- Advanced PeP process parameters
- Industrial tour focusing on surface treatment technologies

THU
05

Multi-materials

- Material tailored PeP process parameters
- Multi-step approach
- Practical sessions

FRI
06

Characterisation

- Surface analysis techniques
- Confocal microscopy
- Coordinate measuring machine

SAT
07

Wrap up !

- Optimal PeP technological window
- Guidelines for surface post-processing process chain
- Certificate award ceremony
- Team event will be published on www.seamac.si

You are invited to attend and gain knowledge in the exciting field of Additive Manufacturing! The summer school focuses on metal additive manufacturing and exploring the post-processing of these parts. Participants delve into Plasma-Electrolytic Polishing, covering both theoretical and practical aspects. The program is enriched with numerous hands-on activities, allowing attendees to directly apply what they've learned.



- Lectures and workshops
- Lunches and Coffee breaks
- Industrial tours

are included and **free of charge**



- Travel
- Accommodation

are not included and **at own expense**

[Click here
to register
or scan QR](#)



TUBAF
The University of Resources.
Since 1765.



INSTITUTE FOR MACHINE ELEMENTS, ENGINEERING DESIGN AND MANUFACTURING
CHAIR ADDITIVE MANUFACTURING

SEAMAC - Strengthening the Excellence of Additive Manufacturing Capabilities



Funded by
the European Union



UNIVERSITY
OF LJUBLJANA

FS

Faculty of
Mechanical Engineering



TECHNION
Israel Institute
of Technology

