

2nd ECMetAC workshop on

**„High-Entropy Alloys:
from basic studies to industrial applications”**

November 21st.

ECMetAC Days 2022, Split, Croatia

Chairperson: Dr. Magdalena Wencka

SCHEDULE & ABSTRACTS



*The workshop is dedicated to honour scientific achievements
of **Prof. Janez Dolinšek**
the Head of JSI High Entropy Alloys Group
(Jožef Stefan Institute, Ljubljana, Slovenia)
for his **65th Birthday Anniversary.***

*The celebrant holds a single crystal of the i -AgInYb quasicrystal
(Phys. Rev. B, **84**, 134205 (2011)).*

Schedule:
/presenting authors only/

OPENING:

13:00 – 13:15 *Ante Bilušić, Julian Ledieu, Magdalena Wencka*

Honorary chairing person: Janez Dolinšek

13:15 – 14:00 *Sheng Guo*: Eutectic High-Entropy Alloys & Refractory High-Entropy Alloys: Opportunities and Challenges

Session 1: STRUCTURE and SURFACES

Chairing person: Sheng Guo

14:00 – 14:30 *Anton Meden*: Phase Identification and Quantification in High Entropy Alloys Using X-Ray Powder Diffraction

14:30 – 15:00 *Marc Armbrüster*: HEAs in Catalysis - An Overview

15:00 – 15:45 Coffee break (birthday cake & more...)

Session 2: PHYSICAL PROPERTIES

Chairing person: Peter Gille

15:45 – 16:15 *Jože Luzar*: AlCoFeNiCu_x (x = 0.6 – 3.0) zero-magnetostriction magnetically soft high-entropy alloys

16:15 – 16:45 *Primož Koželj*: Al_{0.5}TiZrPdCuNi in HEA vs metallic-glass form: How important is the crystallinity of HEAs for electronic transport?

ROUND-TABLE DISCUSSION

Chairing person: Magdalena Wencka

16:45 – 17:15 Trends in development of high-entropy alloys

CLOSING:

17:15 – 17:30 *Janez Dolinšek, Julian Ledieu, Magdalena Wencka*