



HEA – mechanical properties – subgroup of SPP 2006

07.09.2021

20 minutes presentation + 10 minutes discussion

Session 1

- | | |
|-------------|---|
| 8:50-9:00 | Welcome and introduction |
| 9:00-9:30 | Tom Keil, TU Darmstadt
Influence of solutes on thermal stability, microstructure and strain rate sensitivity in CrMnFeCoNi based alloys after high pressure torsion |
| 9:30-10:00 | Shankha Nag, TU Darmstadt
Mechanical properties of nanocrystalline high-entropy alloys |
| 10:00-10:30 | Sophie Drescher, IFW Dresden
Concentration-dependent effect on solid solution strengthening in AuCuNiPdPt |
| 10:30-11:00 | Coffee break |

Session 2

- | | |
|-------------|--|
| 11:00-11:30 | Laura Rosenkranz, Uni Bayreuth
Sample production and characterization of the hexagonal close-packed high entropy alloy YGdTbDyHo |
| 11:30-12:00 | Oluwaseyi Oluwabi, RU Bochum
Interdiffusion in NiTi-Base Shape Memory Alloys: Methodology and Sample Preparation |
| 12:00-12:30 | Christian Hinte, Uni Hannover
Recent Investigation on Hull-aided Forming of NiTi-related High Entropy Shape Memory Alloys |

Location

IFW Dresden
Helmholtzstraße 20
01069 Dresden

Room: B3E.26

Reach the IFW by Car:

Take the motorway A4, at interchange Dresden-West change to the A17 to Praha. Exit at Dresden-Südvorstadt. Follow the road into town for around 2 km up to the campus of the Dresden University of Technology. Turn left into the Mommsenstraße at the end of which is the Helmholtzstraße.

From the airport or by train or tram:

From the airport Dresden-Klotzsche take the city-railway (S-Bahn S2) to the Dresden Main Station (Dresden-Hauptbahnhof).

From the Dresden Main Station (Dresden-Hauptbahnhof) take the tram no. 3 or 8, two stops to "Nürnberger Platz". From Münchner Straße turn into the Helmholtzstraße and follow almost up to Nöthnitzer Straße.