



High throughput methods – subgroup of SPP2006

Seminar room: ICFO-04-349

20 minutes presentation + 10 minutes discussion

13.09.2019

- 10:00-10:30 **Mehdi Noori**
Calphad modelling in HEA
- 10:30-11:00 **Peter Klaver**
Brute force composition scanning with a CALPHAD database to find islands of HEA stability
- 11:00-11:30 **Yury Lysogorskiy**
Data-guided approach for multi-principal element alloys discovery
- 11:30-12:00 **Alfred Ludwig**
Discovery and exploration of multinary alloys using combinatorial methods
- 12:00-13:00 **LUNCH BREAK**
- 13:00-13:30 **Yuji Ikeda**
Interstitial alloying and solid solution strengthening in high-entropy alloys from first principles
- 13:30-14:00 **Henrik Dobbstein (LAT)**
High throughput synthesis of TiZrNbHfTa alloys by laser metal deposition
- 14:00-14:30 **Fabian Kies**
Development of Al_x-Co-Fe-Mn-Ni Multi-Principle Element Alloys Using Additive Manufacturing
- 14:30-15:00 **Christian Liebscher**
Combinatorial exploration of the AlCrFeNiTi composition space
- 15:00-16:00 **TIME FOR DISCUSSION**
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