

CCA-Mechanical properties – subgroup of SPP2006

Subgroup meeting on 14 October 2021

Online via ZOOM:

<https://fau.zoom.us/j/66717910334?pwd=VG5ocm4yQmZDMFlhSVJ4cjMwZmcxQT09>

(Meeting-ID: 667 1791 0334, Kenncode: 517042)

Time	Presenter	Title
09:00 – 09:15	S. Neumeier, FAU Erlangen-Nürnberg	Welcome and introduction
09:15 – 09:45	Christian Haase, RWTH Aachen	Microstructure evolution and deformation behavior of CCAs in the system Al-Co-Fe-Mn-Ni-V-C
09:45 – 10:15	Yan Ma, MPIE Düsseldorf	Interstitial doping in refractory HEAs/CCAs
<i>10:15 – 10:30</i>	<i>Coffee break</i>	
10:30 – 11:00	Stephan Laube, KIT Karlsruhe	Microstructure tailoring of Al-containing compositionally complex alloys
11:00 – 11:30	Shankha Nag, TU Darmstadt	Mechanical properties of nanocrystalline high-entropy alloys
11:30 – 11:45	<i>Time for discussion</i>	
<i>11:45 – 13:00</i>	<i>Lunch break</i>	
13:00 – 13:30	Shabnam Taheriniya, Uni Münster	The relation between the mechanical properties and the microstructure of nanocomposite HEA produced by high pressure torsion
13:30 – 14:00	Andreas Bezold, FAU Erlangen-Nürnberg	Creep behavior of polycrystalline high-entropy superalloys
14:00 – 14:30	Steven Schellert, Uni Siegen	The effect of Al on the formation of a CrTaO ₄ layer in refractory high entropy alloys Ta-Mo-Cr-Ti-xAl
14:30 – 15:00	<i>Time for discussion / Concluding remarks</i>	