



UNIVERSITÄT
BAYREUTH



Metals and Alloys • University Bayreuth • D-95440 Bayreuth



Chair for Metals and Alloys
Prof. Dr.-Ing. Uwe Glatzel

postal address: University Bayreuth
D-95440 Bayreuth

building: Ludwig-Thoma-Str. 36 b
D-95447 Bayreuth

phone: +49 921/55-5555 (direct)
+49 174 - 454 8168 (cell)
+49 921/55-5551 (secretary)

fax: +49 921/55-5561
http://www.metalle.uni-bayreuth.de
e-mail: uwe.glatzel@uni-bayreuth.de

Priority Programme (Schwerpunktprogramm)
Compositionally Complex Alloys - High Entropy Alloys
(CCA - HEA)

Karlsruhe, 25-27 March 2019
Karlsruhe Institute of Technology, Building 50.41

Monday, 25 March 2019:

Time	Event	
before 12:00	Arrival in Karlsruhe	
12:00 - 13:00	Finger-food lunch and get-together	
13:00 - 13:30	Glatzel, U. Univ. Bayreuth	Welcome: First year SPP CCA - HEA in review
13:30 - 14:00	George, E .P. ORNL, USA	Recent progress in mechanical properties of HEA
14:00 - 14:20	Fantin, A. HZ Berlin	X-ray absorption spectroscopy: from synchrotron radiation to short-range order determination
14:20 - 17:00	Coffee break and Poster Session 1: HEA - Mechanical Properties	
19:00	Dinner Badisch Brauhaus	

Tuesday, 26 March 2019:

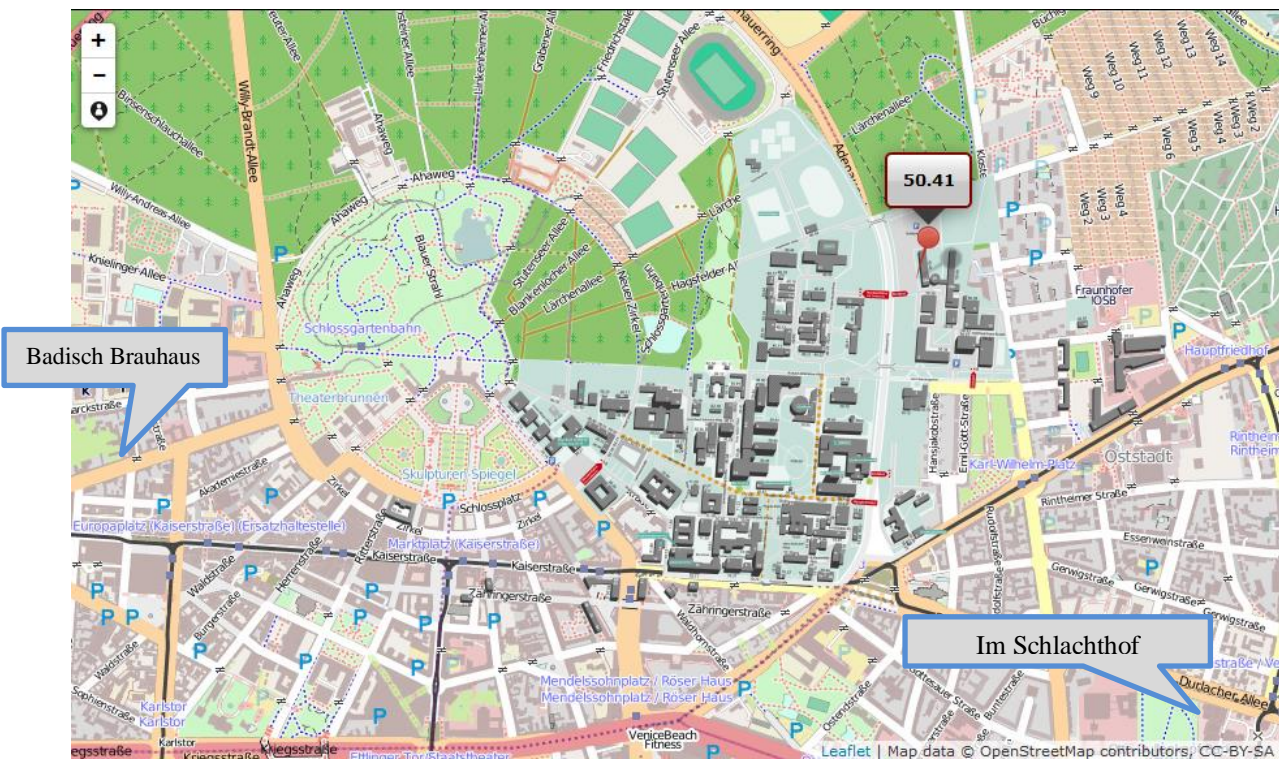
Time	Event	
08:30 - 08:50	Abrahams, K. RU Bochum	Simulation of combined tracer- and interdiffusion using improved diffusion models
08:50 - 09:10	Noori, M. RWTH Aachen	<u>CALPHAD modelling in HEA</u>
09:10 - 09:30	Utt, D. TU Darmstadt	<u>Modelling of High Entropy Alloys</u>
09:30 - 11:50	Coffee break and Poster Session 2: Simulation & Modelling	
~ 11:50	Group Picture	
12:00 - 13:30	Lunch	
13:30 - 14:00	Mills, M. J. OSU, USA	<u>Deformation by Dislocations, Twinning, and Phase Transformations in Multi-Principal Component FCC Solid Solutions</u>
14:00 - 14:20	Wolff-Goodrich, S. MPIE Düsseldorf	<u>Development of precipitation strengthened CCA in the AlCrFeNiTi system for high temperature structural applications</u>
14:20 - 14:40	Jung, H. MPIE Düsseldorf	<u>Synthesis of particle strengthened CoCrFeNi-based HEA-CCA via laser-powder bed fusion process</u>
14:40 - 17:00	Coffee break and Poster Session 3: CCA - Mechanical Properties	
19:00	Dinner Im Schlachthof	

Wednesday, 27 March 2019:

Time	Event	
08:30 - 09:00	Kauffmann, A. KIT, Karlsruhe	<u>Features of plastic deformation in HEA</u>
09:00 - 09:20	Thiel, F. IFW Dresden	Strengthening in solid solutions of the system Au-Cu-Ni-Pd-Pt
09:20 - 09:45	Coffee break	
09:45 - 11:45	Panel discussion: Future Directions for CCA - HEA research Feuerbacher, George, Glatzel, Heilmaier, Manzoni, Mills, Skrotzki	

11:45- 12:00	Glatzel, U. Univ. Bayreuth	Final remarks, outlook and closing of the event
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Venue:



Building 50.41, Adenauerring 20a, 76131 Karlsruhe <http://www.kit.edu/campusplan/>

Badisch Brauhaus, Stephaniestraße 38-40, 76133 Karlsruhe

Im Schlachthof, Alter Schlachthof 7, 76131 Karlsruhe