

MLZ User Meeting 2021

Tuesday 7 December 2021

Material Science: Material Science I (09:00 - 10:20)

-Conveners: Ralph Gilles

time	[id] title	presenter
09:00	[136] Welcome	GILLES, Ralph
09:05	[38] X-ray and neutron studies on H-bonded polymers that help stabilize lithium metal anodes	Dr PAUL, Neelima
09:30	[87] Anion motions in lithium amide-borohydride	ASLAN, Neslihan
09:55	[111] Structural and thermophysical properties of undercooled glass forming CuTi melts	Dr KREUZER, Lucas

Material Science: Material Science II (13:15 - 14:30)

-Conveners: Michael Hofmann

time	[id] title	presenter
13:15	[36] Overcoming the challenges of residual stress analysis by neutron diffraction in additively manufactured alloys	Dr EVANS, Alexander
13:40	[16] Cracking during high temperature deformation of a high-strength polycrystalline Co-base superalloy	HAUSMANN, Daniel
14:05	[22] Microstructure and Mechanical behavior of Mg-5Zn matrix influenced by Particle Deformation Zone via in situ neutron diffraction	Dr DENG, Kun-kun

Material Science: Material Science III (16:15 - 17:30)

-Conveners: Michael Schulz

time	[id] title	presenter
16:15	[124] On the reliability of phase-specific residual stress analyses on textured, multiphase materials using diffraction methods - Example: Duplex stainless steels	Dr GIBMEIER, Jens
16:40	[19] Optimization of the new testing machine for in-situ microstructural characterization under mechanical and thermal loading	Dr KUEMMEL, Frank
17:05	[93] Time evolution of hydrogen diffusion in Zirconium alloys at 300°C-400°C by in-situ neutron imaging experiments	SORIA, Sergio