

MLZ User Meeting 2021

Tuesday, December 7, 2021

Material Science: Material Science I (9:00 AM - 10:20 AM)

-Conveners: Ralph Gilles

time	[id] title	presenter
9:00 AM	[M36] Welcome	GILLES, Ralph
9:05 AM	[M38] X-ray and neutron studies on H-bonded polymers that help stabilize lithium metal anodes	Dr PAUL, Neelima
9:30 AM	[M37] Anion motions in lithium amide-borohydride	ASLAN, Neslihan
9:55 AM	[M11] Structural and thermophysical properties of undercooled glass forming CuTi melts	Dr KREUZER, Lucas

Material Science: Material Science II (1:15 PM - 2:30 PM)

-Conveners: Michael Hofmann

time	[id] title	presenter
1:15 PM	[M36] Overcoming the challenges of residual stress analysis by neutron diffraction in additively manufactured alloys	Dr EVANS, Alexander
1:40 PM	[M16] Cracking during high temperature deformation of a high-strength polycrystalline Co-base superalloy	HAUSMANN, Daniel
2:05 PM	[M22] 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 (4:15 PM - 5:30 PM)

-Conveners: Michael Schulz

time	[id] title	presenter
4:15 PM	[M24] On the reliability of phase-specific residual stress analyses on textured, multiphase materials using diffraction methods - Example: Duplex stainless steels	Dr GIBMEIER, Jens
4:40 PM	[M19] Optimization of the new testing machine for in-situ microstructural characterization under mechanical and thermal loading	Dr KUEMMEL, Frank
5:05 PM	[M03] Time evolution of hydrogen diffusion in Zirconium alloys at 300°C-400°C by in-situ neutron imaging experiments	SORIA, Sergio