Program

20th ALEMI Meeting

8.7.2023

RWZ Lecture Hall

Montanuniversität Leoben

Time	Speaker	Affiliation	Title
08:30	Erik Offerman	TU Delft	Austenite/ferrite interphase migration during vanadium-carbide interphase precipitation in steel studied by in-situ neutron scattering
08:55	Ernst Gamsjäger	Montanuniversität Leoben	Kinetics of the Austenite-to-Ferrite Phase Transformation
09:20	Luyao Fan	Tsinghua University	The role of interfacial coherency in the kinetics of austenite to ferrite transformation in Fe-C-M
09:45	Yingjie Yao	Tsinghua University	Accelerated Austenite Reversion Promoted by Cellular Solidification Structures in Selective Laser Melted Maraging Steel
10:10	Coffee		
10:40	Daniel Scheiber	Materials Center Leoben Forschung GmbH	Solute drag effects on recrystallization kinetics.
11:05	Matthias Militzer	University of British Columbia	Atomistically informed solute drag modeling of phase transformation
11:30	Imed Benrabah	University of Lorraine	Structural and compositional character of the austenite/ferrite interface
12:00	Lunch		
13:30	Rebecca Janisch	Ruhr-University Bochum	Concentration dependent effects of hydrogen segregation at grain boundaries in iron - a DFT study.
13:55	Anna Jelinek	Montanuniversität Leoben	Segregation phenomena investigated with atom probe tomography and computational materials science
14:20	Alexander Reichmann	Montanuniversität Leoben	Development of a repository for APT grain boundary excess data
14:45	Hariharan Umashankar	University of British Columbia	Modeling solute-grain boundary interactions in a bcc Ti-Mo alloy using density functional theory
15:10	Coffee		
15:40	Haiwen LUO	University of Science and Technology Beijing	Role of interface migration on Mn partition during the intercritical annealing in the medium Mn steel
16:05	Jules Dake	University of Ulm	Challenges in reverse engineering grain boundary mobilities from time-resolved 3D measurements of grain growth”
16:30	Oliver Renk	Montanuniversität Leoben	Hidden under microstructural constraints: Uncovering the plastic strain of pure thermally driven grain boundary migration
16:55	Yongjie Zhang	Tohoku University	Pearlite growth kinetics in Fe-C-Mn eutectoid steels
17:20	END		