

Symposium D3.3: Materials Thermodynamics and Kinetics

Abstract Id	Abstract Main Author	Abstract Title	Symposium	Presentation Time	Presentation Hour	Presentation Date	Presentation Group	Presentation Number	Type	Room
1261	Prof. Haifeng Wang	Modeling of non-equilibrium solute diffusion upon rapid solidification: effective mobility vs. kinetic energy	D3.3	PM1	14:30 - 16:30	2015-09-22	3	4	Oral	MF 103
1302	Mrs. Sylwia Terlicka	Calorimetric study of Li-Sb system	D3.3	AM1	8:30 - 10:30	2015-09-22	1	2	Oral	MF 103
1571	Ms. Alice Redermeier	Thermodynamic description of TCP phases in commercial Ni-base superalloys	D3.3	AM2	11:00 - 13:00	2015-09-22	2	3	Oral	MF 103
1578	Mr. Martin Drüe	The ternary Li-Si-C phase diagram	D3.3	AM1	8:30 - 10:30	2015-09-22	1	5	Oral	MF 103
1607	Dr Michael Fleck	Phase field modeling of Li-insertion kinetics in single LiFePO ₄ -nanoparticles for rechargeable Li-ion battery application	D3.3	AM1	8:30 - 10:30	2015-09-22	1	3	Oral	MF 103
1615	Prof. Florian Mertens	The Thermodynamics Characterization of Lithium Silicides	D3.3	AM1	8:30 - 10:30	2015-09-22	1	1	Highlight	MF 103
1628	Dr Xavier Aparicio	Modelling YSZ/GDC Grain Boundaries	D3.3	PM1	14:30 - 16:30	2015-09-22	3	3	Oral	MF 103

	Anglès	with Molecular Dynamic Simulations								
1659	Mr. Yuantao Cui	Phosphate based ceramics as solid electrolyte for high temperature lithium ion batteries	D3.3	AM1	8:30 - 10:30	2015-09-22	1	6	Oral	MF 103
1722	Prof. Rainer Schmid-Fetzer	Experimental investigation and thermodynamic modeling of the Al–Ca–Ti system	D3.3	AM2	11:00 - 13:00	2015-09-22	2	2	Oral	MF 103
1769	Mr. Jian Peng	Thermodynamic Assessment of the Al-Mo-Ni System and Its Quaternary Extension with Cr	D3.3	AM2	11:00 - 13:00	2015-09-22	2	4	Oral	MF 103
1906	Mr. Masayoshi Sawada	Alloy design by computational simulations of precipitation behaviour in Ni- and Fe-based superalloys	D3.3	AM2	11:00 - 13:00	2015-09-22	2	5	Oral	MF 103
2065	Dr Stefan Brendelberger	Generic Multi-Scale Model for Reaction Progress in Receiver-Reactors	D3.3	PM1	14:30 - 16:30	2015-09-22	3	2	Oral	MF 103
2189	Mr. David Henriques	New thermodynamic Data for Electrode Materials for Lithium-Ion-	D3.3	AM1	8:30 - 10:30	2015-09-22	1	4	Oral	MF 103

2290	Dr Paul C. M. Fossati	Batteries within the Li-Sb and LiCoO ₂ -Systems determined by KEMS Molecular Dynamics simulation of the thermodynamic properties of Gd ₂ Zr ₂ O ₇ polymorphs	D3.3	PM1	14:30 - 16:30	2015-09-22 3	5	Oral	MF 103
2299	Prof. George Kaptay	On the partial surface tension of components of a solution	D3.3	PM1	14:30 - 16:30	2015-09-22 3	1	Highlight	MF 103
2370	Dr Orlando Rios	Phase Equilibrium in Highly Rare Earth Content Modified Aluminum Alloys	D3.3	AM2	11:00 - 13:00	2015-09-22 2	1	Invited/Keynote	MF 103