

**Thursday, October 9, 2014**

Interferometry			Chair: Z. Guo
08:30 - 08.40		E. Lehmann	Announcements
08:40 – 09:00	89	C. Grünzweig	Quantification of the Neutron Dark-Field Signal
09:00 – 09:20	85	T. Reimann	Neutron Dark-Field Imaging of Domain Structures in Superconductors
09:20 – 09:40	90	R. Siebert	Investigation of Electrical Steel Laminations by Neutron Grating Interferometry
09:40 – 10:00	140	J. Siegel	Neutron Imaging for Validation of Lithium-Ion Battery Models
10:00 – 10:20	209	J. Banhart	In-Operando Visualization Of Hydride-Graphite Composites During Cyclic Hydrogenation By High-Resolution Neutron Imaging
10.20 – 10:40		COFFEE	
Fuel cell & batteries			Chair: C. Pappas
10:40 – 11:00	119	D. Jacobson	Measuring the Throu-Plane Water Content of a Proton-Exchange Membrane Accurately using Neutron Radiography
11:00 – 11:20	8	D. Chen	Development And Characterization Of The High Frame-Rate Neutron Radiography Test Station At CARR
11:20 – 11:40	128	M. Makowska	Bragg edge neutron imaging applied to reduction induced strains in anodes and anode supports for Solid Oxide Fuel Cells
11:40 – 12:00	130	R. Mukundan	Neutron Imaging to Optimize PEM Fuel Cell Performance
12:00 – 12:20	108	K. Kino	First Imaging Experiment of a Lithium Ion Battery by a Pulsed Neutron Beam at J-PARC/MLF/BL09
12:40 – 13:50		Boardmeeting 2	
Thematic Workshop 3			Chair: C. Grünzweig
Neutron Scattering & Imaging			
14:00 – 17:00	Thematic Workshop 3		
Polarized Neutrons			Chair: N. Kardjilov
17:00 – 17:20	166	W. Treimer	Review and Future of Imaging with Polarized Neutrons
17:20 – 17:40	84	B. Thoener	Neutron Depolarization Imaging Study on the Weak Itinerant Ferromagnet NI3AL
17:40 – 18:00	167	I. Dhiman	Observation of Temperature Dependent Magnetic Flux Trapping in Superconductor of Type I
18:00 – 18:20	158	C. Sim	Neutron Imaging with Gadolinium Tagging on Flaws of In-service Turbine Blades
18:20 – 18:40	152	B. Betz	Visualization of bulk magnetic properties by Neutron Grating Interferometry
18:40 – 19:00		Break	
19:00 – 19:20	126	A. Tremsin	Latest Developments of High Resolution Neutron Imaging and Resonance Transmission Analysis with Neutron Counting Mcp/Timepix Detectors
19:20 – 19:40	200	B. Schillinger	New insights into the palaeobiology of “mammal-like reptiles” by means of neutron tomography
19:40 – 20:10			Conclusions & Outlook
20:30		Gala-Dinner	