

Wednesday, October 8, 2014

Methods			Chair: Y. Kiyanagi
08:30 – 08:40		E. Lehmann	Announcements
08:40 – 09:00	61	A. Tremsin	Development of Energy-dispersive Neutron Imaging Capabilities at LANSCE
09:00 – 09:20	62	P. Bingham	Coded source neutron imaging at HFIR CG-1D
09:20 – 09:40	131	Z. Zhou	Combined fractal analysis of the structure of graphite from neutron imaging and small angle neutron scattering
09:40 – 10:00	147	P. Boillat	Accuracy and reproducibility of water quantification in fuel cells by neutron imaging
10:00 – 10:20	185	I. Jerjen	Drying of porous asphalt concrete investigated by X-ray computed tomography
10:20 – 10:40		COFFEE	
10:30 – 11:00		Board Election	
Porous Media			Chair: L. Bennett
11:00 – 11:20	52	M. Snehota	Experimental investigation of preferential flow in near-saturated intact soil sample
11:20 – 11:40	81	H. Hasemi	Quantitative Nuclide Imaging by Neutron Resonance Transmission Method at HUNS
11:40 – 12:00	100	M. Zarebanadkouki	Quantitative imaging of water flow into roots of transpiring plants grown in soil using neutron radiography and deuterated water
12:00 – 12:20	111	S. Hall	Neutron Imaging of Fluid Flow in Deformed Sandstone
12:20 – 12:40	176	M. Kang	Quantifying multiphase fluid in porous media using neutron imaging
Thematic Workshop 2			Chair: A. Kaestner/M. Schulz
Data Handling and Treatment			
14:00 – 17:00	Thematic Workshop 2		
Exotic Approaches			Chair: B. Schillinger
17:00 – 17:20	157	S. Lal	Investigation of water transport and drying in porous asphalt with neutron radiography
17:20 – 17:40	116	L. Brabant	Application of iterative reconstruction and advanced data analysis in neutron tomography
17:40 – 18:00	207	D. Penumadu	Accomplishments and future needs for Engineering Applications Using Energy Selective Neutron Imaging
18:00 – 18:20	31	Z. Kis	Element-Mapping and Imaging at the Budapest Neutron Centre
18:20 – 18:40	113	H. Sato	Development of the Tensor CT Algorithm for Strain Tomography using Bragg-edge Neutron Transmission
18:40 – 19:00		Break	
19:00 – 19:20	105	D. Ito	Hybrid two-phase flow measurements in a narrow channel using neutron radiography and liquid film sensor
19:20 – 19:40	93	R. Zboray	Time-resolved fast neutron radiography of air-water two-phase flows
19:40 – 20:00	77	S. Takami	Combination of Neutron Radiography and Numerical Simulation to Understand the Mixing Behavior in a Flow-Type Reactor for Supercritical Hydrothermal Synthesis of Nanoparticles
20:30		Dinner	