

RCM-3 of IAEA CRP “Development, Characterization and Testing of Materials of Relevance to Nuclear Energy Sector Using Neutron Beams”

Agenda

13-17 May 2013

Joint Institute for Nuclear Research, Dubna, Russia

Monday, 13 May 2013	
Welcome and Opening	
09:00-09:30	Director of JINR / Director of FLNP JINR , Joint Institute for Nuclear Research and its capacities / activities related to the CRP subject
09:30-10:00	D. Ridikas & V. Inozemtsev (IAEA) - Introduction, status of the CRP, progress reports, objectives of the meeting; administrative issues
10:00-10:30	<i>Coffee break</i>
Reports of CPR members	
10:30-11:00	J. Santisteban , Evolution of Phases, Inter-granular Stresses and Texture in Cold Rolled Zr-2.5Nb Pressure Tubes, CNEA, Argentina
11:00-11:30	M. Grosse , Neutron radiography Investigations of the Hydrogen Uptake of Fuel Cladding Tubes during LOCA and Severe Accidents, KIT, Germany
11:30-12:00	E. Lehmann , Study of Material Property Changes After Long Term Irradiation by Means of Neutron Imaging Methods, PSI, Switzerland
12:00-13:30	<i>Lunch break</i>
13:30-14:00	R. Pugliesi , Improvement of a Neutron Tomography System, CNEN-IPEN, Brazil
14:00-14:30	M. J. Radebe , Use of Neutron Beam Line Facilities for Nuclear Materials Related R&D With Emphasis on International Benchmarking of the Techniques, NECSA, South Africa
14:30-15:00	C. M. Sim , Application of neutron tomography for the measurement Gd distribution in Al and the evaluation of hydride content in zirconium, KAERI, Republic of Korea
15:00-15:30	<i>Coffee break</i>
15:30-16:00	D. Carr , Development of the Capability of Evaluating Residual Stresses and Internal Defects in Radioactive Materials Using Neutron Scattering Instruments, ANSTO, Australia
16:00-16:30	Y. Liu , Development, Characterization and Testing of Materials of Relevance to Nuclear Energy Sector Using Neutron Beams in China, CNNC, CIAE, China
17:00	<i>Hospitality event</i>

Tuesday, 14 May 2013

Reports of CPR members (continued)

9:00-9:30	P. Mikula , Development and optimization of high-resolution neutron scattering instruments dedicated to characterization and testing of materials of relevance to nuclear energy sector and related experiments in SANS, residual strain/stress and texture studies, ASCR, NPI, Czech Republic
9:30-10:00	S. Sutiarmo , Optimization of Neutron Beam Techniques for Characterization of Structural Materials, BATAN, Indonesia
10:00-10:30	J. Teixeira , Study of ODS martensitic/ferritic materials, CEA, LLB, France
10:30-11:00	<i>Coffee break</i>
11:00-11:30	G. Torok , Microstructural Investigation of ODS Ferritic Steels, AEKI, Hungary
11:30-12:00	R. Coppola , Characterization of Y ₂ O ₃ particle distribution in oxide dispersion strengthened eurofer steel for nuclear applications by means of small-angle neutron scattering (SANS) and of neutron diffraction, ENEA, Italy
12:00-12:30	A. Balagurov , Ferrite-Martensite Steels Dispersion Hardening studied by TOF Neutron Diffraction, JINR, Russia
12:30-14:00	<i>Lunch break</i>
14:00-14:30	C. Ohms , Combined Small Angle Neutron Scattering and Diffraction Studies to Investigate the Structure Property Relationship of Generation IV Reactor Candidate Materials and of Structural Components, JRC-EC
14:30-15:00	A. Kozlov , Examination of austenitic steels microstructure change induced neutron irradiation by using of neutron scattering methods, Institute of Nuclear Materials, Russia
15:00-15:30	<i>Coffee Break</i>
15:30-16:00	M. Mocko , Development, Characterization and Testing of Materials of Relevance to Nuclear Energy Sector Using Neutron Beams, LANL, USA
16:00-16:30	T. Shikama , Radiation Effects on Correlation between Nuclear Materials and Their Radiation Induced Nano-Micro Structures, Tohoku University, Institute of Multidisciplinary Research for Advanced Materials, Japan
16:30-18:00	Round table on Neutron Imaging (optional, for interested participants)

Wednesday, 15 May 2013

Discussions and preparation of summary reports from 4 subject Groups

09:00-12:00	G1: ODS steels
	G2: Welded materials/objects
	G3: Zr-based materials, including H-uptake studies
	G4: Irradiated materials/objects
10:30-11:00	<i>Coffee break</i>
12:00-13:30	<i>Lunch break</i>
13:30	<i>Technical tour</i>

Thursday, 16 May 2013

Presentation, discussion and finalization of reports from 5 subject Groups
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09:00-10:30	Plenary reports from G1 and G2, followed by discussions
10:30-11:00	<i>Coffee break</i>
11:00-12:30	Plenary reports from G3 and G4, followed by discussions
12:30-14:00	<i>Lunch break</i>
14:00-15:30	RCM Chair summarizing remarks, followed by discussion
15:30-16:00	<i>Coffee break</i>
16:00-17:30	Preparation/finalization of group reports/chapters for the IAEA publication

Friday, 17 May 2013

Drafting of CPR report

09:00-10:30	Drafting of CRP final report, including conclusions and recommendations
10:30-11:00	<i>Coffee break</i>
11:00-12:00	Finalization of the draft CRP report
12:00-12:30	Final remarks, meeting closure