

# HOTLAB 2009 (20.9.-23.9.2009) - Final program

Sunday 20.9.2009

18:00 - 20:00	Registration	Foyer Prague
19:00 - 20:00	Welcome drink	Foyer Prague

Monday 21.9.2009

07:30 - 08:00	Registration	Foyer Prague
08:00 - 08:20	<b>Opening presentation, Introduction of NRI</b> <i>A. John, Director General of NRI Rez plc</i>	Prague C+D

**Section** Future needs for hot laboratories from the GEN-IV point of view (*chairwoman - A. Leenaers*)

08:20 - 09:00	<b>SNE-TP Strategic Research Agenda and LFR-Hotlab requirements</b> <i>H. Ait Abderrahim (SCK•CEN, Belgium)</i>	Prague C+D
09:00 - 09:25	<b>SFR/GFR-Hotlab requirements</b> <i>B. Aufran (CEA, France)</i>	Prague C+D
09:25 - 09:50	<b>HTR - Hotlab requirements</b> <i>S. de Groot (NRG, Netherlands)</i>	Prague C+D
09:50 - 10:10	Coffee break	Foyer Prague
10:10 - 10:35	<b>Hot fuel reprocessing technology of MSR system</b> <i>J. Uhlir (NRI Rez plc, Czech Republic)</i>	Prague C+D
10:35 - 11:00	<b>Requirements and status of PBMR PIE in South Africa</b> <i>W. Klopper (NECSA, South Africa)</i>	Prague C+D
11:00 - 11:25	<b>Hot cells inside the built-up Jules Horowitz Reactor</b> <i>J. Bensch (NRI Rez plc, Czech Republic)</i>	Prague C+D
11:25 - 11:50	<b>NOMAGE4 - Nordic Nuclear Materials Forum for Generation IV Reactors</b> <i>C. Anghel (Studsvik Nuclear AB, Sweden)</i>	Prague C+D
11:50 - 12:55	Lunch (Buffet)	Loreta
12:55 - 13:20	<b>Development of Hot Cell Facility at CIAE</b> <i>Z. Liang (China Institute of Atomic Energy, China)</i>	Prague C+D

**Section** Infrastructure, Refurbishment and Decommissioning Experience (*chairman - A. Robinson*)

13:20 - 13:45	<b>The VERDON laboratory at the CEA Cadarache: new hot cell facilities devoted to the study of irradiated fuel behaviour and fission products release under simulated accidental conditions</b> <i>J.-Y. Blanc (CEA, France)</i>	Prague C+D
13:45 - 14:10	<b>Hot cell devices designed to open and dissolve irradiated PROFIL R targets</b> <i>G. Ferlay (CEA Marcoule, France)</i>	Prague C+D
14:10 - 14:35	<b>Experimental facilities in the Karlsruhe Fusion Materials Laboratory</b> <i>H.-C. Schneider (IMF-II/FML, Germany)</i>	Prague C+D
14:35 - 15:00	<b>Design features to facilitate hot isostatic pressing in remote shielded facilities</b> <i>S. Shaw (Merrick, USA)</i>	Prague C+D
15:00 - 15:20	Coffee break	Foyer Prague
15:20 - 15:45	<b>Presentation of CEA Marcoule Laboratory Department</b> <i>O. Dugne (CEA, France)</i>	Prague C+D
15:45 - 16:10	<b>Replacement technique for front acrylic panels of a large size glove box using bag-in / bag-out method</b> <i>S. Endo (JAEA, Japan)</i>	Prague C+D
16:10 - 16:35	<b>Refurbishment of two concrete hot cells in the hotlab of the Paul Scherrer Institute</b> <i>D. Kuster (Paul Scherrer Institute, Switzerland)</i>	Prague C+D
16:35 - 17:00	<b>From AMI Chinon to LIDEC nuclear facilities</b> <i>E. Molinie (EDF, France)</i>	Prague C+D
19:00 - 21:00	Conference Dinner	Loreta

Tuesday 22.9.2009

**08:00** Bus departure from Diplomat Hotel Prague to NRI Rez plc

**Section** **Infrastructure, Refurbishment and Decommissioning Experience** (*chairman - A. Robinson*)

**09:00 - 09:25** **Decommissioning as an opportunity for a new start**

*R. Rolli (IMF-II/FML, Germany)*

*NRI Conference Hall*

**Section** **Post Irradiation Examination Techniques** (*chairman - O. Dugne*)

**09:25 - 09:50** **Application of system for registration and analysis of backscatter electrons to study texture of products made from zirconium alloys at SSC RIAR hot laboratory**

*Y. Goncharenko (SSC RIAR, Russia)*

*NRI Conference Hall*

**09:50 - 10:15** **Development of Mechanical Test Techniques for the Irradiated Grid Elements in a PWR Fuel Assembly**

*S. Ahn (KAERI, Korea)*

*NRI Conference Hall*

**10:15 - 10:40** **New digital radiography in LECA Facility**

*F. Berdoula (CEA, France)*

*NRI Conference Hall*

**10:40 - 12:00** *Poster presentations at NRI Rez Conference area with coffee*

*NRI Conference Hall*

**12:00 - 13:30** *Lunch (Buffet)*

*Hotel Vltava*

**13:30 - 16:30** *Excursion to Nuclear Research Institute Řež plc Laboratories*

**16:30** Bus departure from NRI Rez plc to Diplomat Hotel Prague

Wednesday 23.9.2009

**Section** **Post Irradiation Examination Techniques** (*chairman - O. Dugne*)

**08:00 - 08:25** **Shielded Electron Probe Microanalysers (EPMA) – from CAMECA to JEOL Preliminary comparison of design and physical properties**

*R. Restani (Paul Scherrer Institute, Switzerland)*

*Prague C+D*

**08:25 - 08:50** **Development of an optical method to measure deformations of nuclear fuel cladding**

*A. Vauselle (CEA, France)*

*Prague C+D*

**Section** **Material ageing** (*chairwoman - C. Verdeau*)

**08:50 - 09:15** **Internal friction technique. Development and applications in nuclear industry**

*M. Konstantinović (SCK-CEN, Belgium)*

*Prague C+D*

**09:15 - 09:40** **Hot laboratory work for the CARINA project to extend the data base for fracture mechanical characteristics of irradiated German RPV materials - Status and outlook**

*H. Hein (AREVA NP, Germany)*

*Prague C+D*

**Section** **Safety** (*chairman - Y. Goncharenko*)

**09:40 - 10:05** **Multimodality Imaging for Mapping of Radioactive Contamination**

*O. Ivanov (RRC KI, Russia)*

*Prague C+D*

**10:05 - 10:25** *Coffee break*

*Foyer Prague*

**10:25 - 10:50** **Management for Preventive Maintenance and the Safety Operation of Hot Laboratory**

*T. Fujishima (JAEA, Japan)*

*Prague C+D*

**10:50 - 11:15** **Remote-controlled compact gamma camera "Gammavisor" for control of radioactive sources/contamination**

*V. Stepanov (RRC KI, Russia)*

*Prague C+D*

**11:15 - 11:40** **Hot cell crash tests and accident loading studies on nuclear fuel rods**

*D. Papaioannou (JRC-ITU-EC, Germany)*

*Prague C+D*

**11:40 - 12:00** *Closing remarks*

*Announcement Best poster and Best presentation award*

*Prague C+D*

**12:00 - 13:15** *Lunch (Buffet)*

*Loreta*