

PROGRAM

Monday, 06.09.2010

Boarding	12.00 – 18.00
Registration	14.00 – 19.00
Welcome drink	20.00 – 21.30

Tuesday, 07.09.2010

Welcome and introductions	08.20 – 08.30
Current Status and Trends for Development of the Experimental and Material Science Base for Fast Reactors Technologies. Representative of JSC “SSC RIAR”, Russia	08.30 – 09.00

Session:

SAFETY IN AN AGEING HOTLAB ENVIRONMENT

9.00 – 11.30

1. Safety in French Ageing Hot Laboratories. 9.00 – 9.20
Hervé Visseaux (Autorité de Sûreté Nucléaire,
France)
2. The Challenges of Continuing to Operate 9.20 – 9.40
Ageing Nuclear Plant in the UK.
Joseph Desmond Wright (National Nuclear La-
boratory, Facilities and Safety Directorate, UK)
3. Technical Experience of the Belgian Regulatory 9.40 – 10.00

Body Regarding Shielded Cells.
Gérald Degreef (Nuclear Safety And Radiation
Protection Inspection, Bel V, Belgium)

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| | Coffee break | 10.00 – 10.30 |
| 4. | Safety Management Based on the Tripod
Philosophy.
Jeroen Minkema (Nuclear Research
and Consultancy Group, Netherland) | 10.30 – 10.50 |
| 5. | Summary of the Workshop “Information
Exchange on Below Scale Incidents
in Hot Laboratories”.
Didier Gavillet (Paul Scherrer Institute,
Switzerland) | 10.50 – 11.10 |
| 6. | Hot Cells in a New Material Testing Reactor.
Frederic Minot (CEA /DEN / CAD, France) | 11.10 – 11.30 |

Session:

**RESEARCH REACTOR EXPERIMENTS AND BEHAVIOR
OF MATERIAL**

11.30 – 13.40

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| 7. | IAEA Activities on Spent Fuel Performance
Assessment and Research.
Ho Jin Ryu (International Atomic Energy Agen-
cy, Austria) | 11.30 – 11.50 |
| | Lunch | 12.00 – 13.00 |

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| 8. | Advancement of Hotlab / Research Reactor Techniques with Particular Reference to the Reactor Pressure Vessel Materials Examination.
E.A. Krasikov (Russian Research Centre “Kurchatov Institute”, Russia) | 13.00 – 13.20 |
| 9. | Determination of Dimensional Evolutions for Irradiated Material with a Large Panel of Experimental Means.
Pierre Gavaille (CEA / DEN / DANS /DMN/ SEMI / LCMI, France) | 13.20 – 13.40 |

Session:

HANDLING ACTIVE NUCLEAR REACTOR CORE COMPONENTS, RADIOISOTOPES AND WASTE

13.40 – 15.50

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| 10. | Presentation of CEA Nuclear Service Facilities for Spent Fuels and Nuclear Wastes.
Jean-Yves Blanc (CEA, DEN / DADN, France) | 13.40 – 14.00 |
| 11. | Preparations & Examinations Necessary for Obtaining a License for Transporting Radiolysable Material.
Paul David Bottomley (ITU Karlsruhe, Germany) | 14.00 – 14.20 |
| 12. | Feedback from Ten Years of Experience | 14.20 – 14.40 |

in the C11/C12 Shielded Line in the Atalante Facility at Marcoule.

Gilles Ferlay (CEA, Nuclear Energy Division, RadioChemistry & Processes Department, Actinide Analysis Experimentation Office, Laboratory of Dissolution Studies, France)

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| 13. | KAERI's Hot Cell Experience Learned from DUPIC Fuel Fabrication.
Jung Won Lee (KAERI, Korea) | 14.40 – 15.00 |
| | Coffee break | 15.00 – 15.30 |
| 14. | Design Considerations for Medical Isotope Production Facilities.
Michael Wade (Merrick & Company, USA) | 15.30 – 15.50 |

Session:

TRANSPORTATION ISSUES

15.50 – 16.30

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| 15. | NRI Experience with LVR-15 Experimental Reactor Spent Fuel Transport.
Radim Kopriva (NRI Rez plc, Czech Republic) | 15.50 – 16.10 |
| 16. | The Flying Pig.
Ann Leenaers (SCK CEN, Belgium) | 16.10 – 16.30 |
| | Dinner | 17.00 – 18.00 |
| | Sightseeing tour of the city of Kazan | 19.00 – 21.30 |

Wednesday, 08.09.2010

Trip to Dimitrovgrad	7.30 – 10.00
Coffee break	10.00 – 10.30
Tour of RIAR facilities	10.00 – 16.00

POSTER SESSION

10.30 – 17.00

17. Establishment of Maintenance Method of Exhaust Valve on α -tight Hot Cell under Ventilating Condition.
Yasutaka Mizukoshi (JAEA, Japan)

18. An Integrated Tool to Repack and Reprocess Old Solid Pu-based Compounds in the LEFCA Facility.
Fabrice Mazaudier (CEA Cadarache, France)

19. Developments Concerned with Analysis for Quantitative Composition Distribution of Surface Deposits Throughout the Height of Zirconium Claddings Operated in Water-Cooled Nuclear Reactors.
Irina Smirnova (JSC “SSC RIAR”, Russia)

20. Study into Helium Accumulation in Austenitic Steels for Evaluation of Radiation Damage in VVER Internals Materials.
Sergey Belozerov (JSC “SSC RIAR”, Russia)

21. Equipment to Weld Experimental Samples and

Items of Nuclear Reactor Cores.
Evgeny Tabakin (JSC “SSC RIAR”, Russia)

22. Enhancing the Burn-up of Mixed Carbide Fuel of FBTR Through PIE.

Jojo Joseph (Group for Remote handling, Robotics, Irradiation experiments & PIE, Indira Gandhi Centre for Atomic Research, India)

23. Renewal of the Shielded Electron Probe Microanalyser (EPMA) in the CEA LECA-STAR Hot Laboratory: Safety and Technical Improvements.
Jerome Lamontagne (CEA, France)

24. Renovation of the Metallographic Hot Cell in ITU.
Dimitrios Papaioannou (Institute for Transuranium Elements, DG Joint Research Centre, European Commission, Germany)

25. PIE Facilities for Local and Regional Requirements.
Gabriel Ruggirello (CNEA, Argentina)

26. Implementation of Reconstitution Technique for Surveillance Tests at Kiev Institute for Nuclear Research.
Volodymyr Revka (Institute for Nuclear Research, Kiev, Ukraine)

Lunch

12.30 – 15.00

Departure to Ulyanovsk	17.00 – 18.00
Dinner	19.30 – 20.30

Thursday, 09.09.2010

Session:

POST IRRADIATION EXAMINATION TECHNIQUES

09.00–15.00

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| 27. RIAR Research Reactors and Material Science Complex for Implementation of Innovative Projects of GEN IV Nuclear Power Engineering.
Vladimir Risovany (JSC “SSC RIAR”, Russia) | 09.00 – 09.20 |
| 28. Equipment and Procedures for Material Post-Irradiation Examinations in Hot Cells of JSC “IRM”.
Leonid Sinelnikov (IRM, Russia) | 09.20 – 09.40 |
| 29. The Modern Equipment for the Preparation and Testing of Radioactive Materials in Hot Cells.
Irina Protasova (Melytek, Russia) | 09.40 – 10.00 |

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| 30. Development of High Resolution X-Ray CT Technique for the Irradiated Fuel Pellet.
Kozo Katsuyama (JAEA, Japan) | 10.00 – 10.20 |
| Coffee break | 10.20 – 10.40 |
| 31. Crack Resistance and Hydride Reorientation Determination of Irradiated Fuel Cladding.
Robert Zubler (LNM, PSI, Switzerland) | 10.40 – 11.00 |
| 32. High Burn-up Fuel and Materials Challenges.
Matthias Martin (PSI, Switzerland) | 11.00 – 11.20 |
| 33. RIAR's Stands and Fuel Test Methods to Justify Safe Handling of Different Reactors SNF.
Sergey Pavlov (JSC "SSC RIAR", Russia) | 11.20 – 11.40 |
| 34. National Scientific User Facility Purpose and Capabilities.
Kenneth Rosenberg (Idaho National Laboratory, USA) | 11.40 – 12.00 |
| Lunch | 12.00 – 13.00 |
| 35. X-Ray Solutions from BRUKER for Research and Development, Process and Quality Control in Industry.
Vasily Pribora (Bruker, Russia) | 13.00 – 13.20 |
| 36. Laser Induced Breakdown Spectroscopy Characterizations of Hydrogen in Zirconium Alloys.
Lionel Gosmain (CEA, France) | 13.20 – 13.40 |

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| 37. Laser Ablation Mass Spectrometry on Highly Radioactive Samples.
Michael Granfors (Studsvik Nuclear AB, Sweden) | 13.40 – 14.00 |
| 38. Remote Refurbishment of the Metallography Preparation Box at the INL.
Adam Robinson (Idaho National Laboratory, USA) | 14.00 – 14.20 |
| 39. Title and Speaker To Be Announced.
(A Carl Zeiss SMT AG Company, Germany) | 14.20 – 14.40 |
| 40. Development of Experimental Base for High-temperature Gas Reactor GT-MHR Fuel Research.
Alexander Pokrovsky (JSC “SSC RIAR”, Russia) | 14.40 – 15.00 |
| Coffee break | 15.00 – 15.30 |
| Closing remarks. Awarding of the best poster and best presentation | 15.30 – 16.00 |
| Sightseeing tour | 16.00 – 17.00 |
| Conference Dinner | 17.00 – 23.00 |

Friday, 10.09.2010

Departure	5.00 – 9.30
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