

**OECD NEA  
Nuclear Science Committee (NSC), and  
Committee on the Safety of Nuclear Installations (CSNI)**

**WORKSHOP “BUILDING MULTINATIONAL FUEL AND MATERIALS TESTING  
CAPACITIES FOR SCIENCE, SAFETY AND INDUSTRY”**

4-5 October 2018

NEA Headquarters  
46 quai Alphonse Le Gallo, 92100, Boulogne-Billancourt, France

**WORKSHOP AGENDA**

Workshop Chair: **Kemal Pasamehmetoglu**, Chair of the NSC Expert Group on Accident Tolerant Fuel for LWRs (EGATFL)  
Co-chair: **Zoltán Hózer**, Chair of the CSNI Working Group on Fuel Safety (WGFS)

**Day 1, Thursday, 4 October 2018**

**Room BB1**

**9:30-18:00**

**OPENING SESSION**

**9:30-10:00**

- **William D. Magwood, IV**, Director-General of the OECD Nuclear Energy Agency (NEA)
- **Kemal Pasamehmetoglu**, Chair of the NSC Expert Group on Accident Tolerant Fuel for LWRs (EGATFL)
- **Zoltán Hózer**, Chair of the CSNI Working Group on Fuel Safety (WGFS)

**SESSION 1: STRATEGIC NECESSITY FOR RE-ESTABLISHING A VIABLE MULTINATIONAL  
FUEL AND MATERIAL TESTING FRAMEWORK – NEA PROPOSAL**

**10:00-10:20**

- **Daniel Iracane**, Deputy Director-General, Chief Nuclear Officer of the OECD Nuclear Energy Agency (NEA)

**Coffee Break 10:20-10:40**

**SESSION 2: SHORT-, MID-, AND LONG-TERM EXPERIMENTAL NEEDS  
FOR SCIENCE, SAFETY AND INDUSTRY  
10:40-14:40 (WITH LUNCH BREAK)**

- **Mirela Gavrilas**, Director, Division of Safety Systems, US Nuclear Regulatory Commission (NRC), US
- **Olivier Marchand**, Deputy Head of Department, Department of Management of Incidents and Accidents, Institut de Radioprotection et de Sûreté Nucléaire (IRSN), France
- **Jonathan Wright**, Manager Materials and Fuel Rod Design, Westinghouse, Sweden
- **Jan Klouzal**, Head of Severe Accidents and Thermomechanics Department, Nuclear Safety and Reliability Division, UJV Rez, Czech Republic
- **Seiichi Watanabe**, Manager, Fuel Technology Planning Group, Mitsubishi Nuclear Fuel Co, Ltd., Japan
- **Yang-Pi Lin**, Senior Engineer, Fuel Performance and Design, Global Nuclear Fuel, US
- **Hirokazu Ohta**, Senior Research Scientist, CRIEPI, Japan
- **Dan Mathers**, Senior Technical Advisor, NIRO, UK
- **Jeremy Bischoff**, Material Engineer for Fuels, Framatome, France
- **Masaki Kurata**, Director, Accident Progress Evaluation Division, JAEA, Japan
- **Jae Ho Yang**, Principal Researcher, KAERI, Korea

**Lunch Break 13:00-14:00**

- **Round table on the strategic necessity for re-establishing a viable multinational fuel and material testing capacity to meet science, safety and industry needs**

*The discussion will focus on the following topics:*

- *Experimental studies that should be performed in the future (short-, mid- and long-term perspectives)*
- *Critical needs and investment priorities to match needs*
- *Anticipated opportunities and constraints generated by the multinational approach to experimental work*

**SESSION 3: INFORMATION FROM THE HALDEN REACTOR PROJECT (HRP)  
14:40-15:10**

- **Nicolas Waeckel**, Chair of the Halden Reactor Project Board of Management (HBM) Working Group, EDF, France

**Coffee Break 15:10-15:30**

**SESSION 4: EXPERIMENTAL CAPACITIES**  
**15:30-18:00**

*The presentations will cover the following topics:*

- *Experimental studies that can be performed in the future (short-, mid- and long-term perspectives)*
  - *Investments in infrastructure required to address needs*
  - *International access to infrastructure*
  - *Experimental fuel samples: transport and back-end*
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- **Sven Van den Berghe**, Director of the Institute of Nuclear Materials, Belgian Nuclear Research Centre (SCK•CEN), Belgium  
*BR2*
  - **Alexander Tuzov**, Director, Research Institute of Atomic Reactors (RIAR), Russia  
*RIAR Facilities*
  - **Gilles Bignan**, User Facility Interface Manager, Commissariat à l'énergie atomique et aux énergies alternatives (CEA), France, and  
**François Barré**, Deputy Director, Research on Safety of Nuclear Power Plant, Institut de Radioprotection et de Sécurité Nucléaire (IRSN), France  
*Cadarache Platform (JHR, CABRI)*
  - **Kemal Pasamehmetoglu**, Versatile Test Reactor Executive Director, Idaho National Laboratory (INL), US  
*INL Platform (ATR, TREAT)*
  - **Geert-Jan de Haas**, Senior Program Manager Research, NRG, The Netherlands  
*HFR, Petten*

**COCKTAIL RECEPTION**  
**Starting at 18:00, BB Espace Terrasse**

Day 2, Friday, 5 October 2018

Room BB2

9:00-13:15

**SESSION 5: IDEAS AND PROPOSALS IN THE CURRENT CONTEXT**

9:00-10:40

- **Timothy Valentine**, Director, Radiation Safety Information Computational Center, ORNL/RSICC, US  
*Discussion about how to use simulation to increase the value of experimentation*
- **Jean-François Villard**, Head of Laboratory, Commissariat à l'énergie atomique et aux énergies alternatives (CEA), France  
*Development and integration of instrumentation to increase the value of experimentation*
- **Gilles Bignan**, User Facility Interface Manager, Commissariat à l'énergie atomique et aux énergies alternatives (CEA), France, and  
**Daniel Parrat**, Research engineer, Commissariat à l'énergie atomique et aux énergies alternatives (CEA)  
*Joint Project proposal for quantifying thermomechanical clad load mechanisms during LWR slow transients*
- **All**  
*Identification of other opportunities and proposals for mid- and long-term implementation*

Coffee Break 10:40-11:00

**SESSION 6: ALIGNMENT OF THE FUEL COMMUNITY NEEDS AND CAPACITIES**

11:00-13:00

- **Round table on further steps**
- **Preparation of the workshop position paper**

**CLOSING SESSION**

13:00-13:15

- **Kemal Pasamehmetoglu**, Chair of the NSC Expert Group on Accident Tolerant Fuel for LWRs (EGATFL)
- **Zoltán Hózer**, Chair of the CSNI Working Group on Fuel Safety (WGFS)
- **William D. Magwood, IV**, Director-General of the OECD Nuclear Energy Agency (NEA)