

OECD Nuclear Energy Agency

**WORKSHOP “INTRODUCTION TO THE MULTINATIONAL NEA FRAMEWORK
FOR IN-PILE FUEL AND MATERIAL TESTING”**

4-5 March 2019
NEA Headquarters, room BB1
46 quai Alphonse Le Gallo, 92100, Boulogne-Billancourt, France

DRAFT AGENDA

Workshop co-chairs: **Mirela Gavrilas**, Director, Division of Safety Systems, US Nuclear Regulatory Commission (NRC), USA
Rostislav Štaubr, Nuclear Fuel Manager, Fuel Cycle Strategy and Services Unit
ČEZ, Czech Republic

Day 1, Monday, 4 March 2019
13:00-17:00

OPENING SESSION
13:00-13:30

- **William D. Magwood, IV**, Director-General, NEA
- **Mirela Gavrilas**, Director, Division of Safety Systems, Nuclear Regulatory Commission (NRC), US
- **Rostislav Štaubr**, Nuclear Fuel Manager, Fuel Cycle Strategy and Services Unit, ČEZ, Czech Republic

**SESSION 1: INTRODUCTION TO THE NEW MULTINATIONAL NEA FRAMEWORK FOR
IN-PILE FUEL AND MATERIAL TESTING**
13:30-17:00

- *Co-operation between NEA and IAEA on issues of transportation and waste management*
Christophe Xerri, Director, Fuel Cycle and Waste Management, IAEA
- *NEA Joint Projects: Best practices and lessons learnt*
Markus Beilmann, Division of Nuclear Safety Technology and Regulation, NEA
- *Framework’s portrait: Goal, structure, cross-cutting activities and Joint Experimental Programmes*
Daniel Iracane, Deputy Director-General, NEA
Tatiana Ivanova, Head of Division of Nuclear Science, NEA
- *Q&A session*
- *Round table: Discussion of the NEA proposal on the Framework*
 - *Relevancy and practicality*
 - *Expression of interest*

COCKTAIL RECEPTION starting at 17:00, BB Espace Terrasse

Day 2, Tuesday, 5 March 2019

9:00-16:30

SESSION 2: PROPOSALS FOR JOINT EXPERIMENTAL PROGRAMMES

09:00-15:00

- *Introduction by co-chair*
Rostislav Štaubr, Nuclear Fuel Manager, Fuel Cycle Strategy and Services Unit, ČEZ, Czech Republic
- *Proposal by SCK·CEN, CEA and EDF: Quantifying thermomechanical clad load mechanisms and incipient fuel melting of a LWR fuel rod under power transients*
Gilles Bignan, User Facility Interface Manager, Commissariat à l'énergie atomique et aux énergies alternatives (CEA), France
- *Q&A session*
- *Round table: Value of the experiments for the community*

Coffee Break 10:30-11:00

- *Introduction by co-chair*
Mirela Gavrilas, Director, Division of Safety Systems, Nuclear Regulatory Commission (NRC), US
- *Proposal by RIAR: Research into VVER fuel rods behaviour under LOCA conditions in the MIR.M1 reactor*
Alexandre Tuzov, Director, Research Institute of Atomic Reactors (RIAR), Russia
- *Q&A session*
- *Round table: Value of the experiments for the community*

Lunch Break 12:30-13:30

- *Proposals for Joint Experimental Programmes under development:*
 - *Experimental capability of Nuclear Safety Research Reactor (NSRR) and a Joint Experimental Programme proposal from JAEA*
Tomoyuki Sugiyama, Risk Analysis and Applications Research Division, Nuclear Safety Research Centre, Japan Atomic Energy Agency (JAEA), Japan
 - *LOCA tests in CABRI water loop*
Laurence Rigollet, Deputy Head of the Department, Studies and Experimental Research Department, Institut de Radioprotection et de Sûreté Nucléaire (IRSN), France

- *Experiments in TREAT to support modelling and simulation*
Steve Hayes, Leader in the Nuclear Fuels & Materials Division and a Fellow of the Nuclear Science & Technology Directorate, *Idaho* National Laboratory (INL), US. Presented by NEA.
- *Joint project proposal for In-pile creep studies of ATF claddings*
Marek Miklos, Business development manager, Centrum výzkumu Řež, Czech Republic
- *Q&A session*

Coffee Break 14:40-15:00

**SESSION 3: EXPRESSION OF NEEDS AND INTEREST, IMPLEMENTATION STEPS
15:00-16:00**

- *Round table: Building the Framework and its program of work*
 - *Expression of interest to the launch of the Framework*
 - *Expression of interest to the available proposals for Joint Experimental Programmes*
 - *Expression of needs for future experiments*
- *Wrap-up presentation: Proposed approach for establishing the Framework and possible next steps*
Daniel Iracane, Deputy Director-General, NEA
Tatiana Ivanova, Head of Division of Nuclear Science, NEA

**CLOSING SESSION
16:00-16:30**

- **Mirela Gavrilas**, Director, Division of Safety Systems, Nuclear Regulatory Commission (NRC), US
- **Rostislav Štaubr**, Nuclear Fuel Manager, Fuel Cycle Strategy and Services Unit, ČEZ, *Czech Republic*
- **William D. Magwood, IV**, Director-General, NEA