



Technical and poster sessions : Tuesday June 28th

1 Operation and Maintenance, 14:00 – 15:30, Room 303

- *Flexible Operations for Nuclear Power Plants - Fluid Systems Aspects*, **BALASSONE Sergio**, Tractebel Engie
- *BMI Repair – Gravelines 1*, **JEANBLANC Arnaud**, Westinghouse
- *Analytical Electron Microscopy Investigations of the J-groove weld boat sample from the Bottom Mounted Instrumentation nozzle #1 of South Texas Project Unit 1 Nuclear Power Plant*, **PANAÏT Clara**, EDF
- *Post Accidental Accessibility: from short term crisis analysis to long term maintenance*, **PENESSOT Gaël**, EDF

2 Human Factors, Training and Skills in Nuclear, 15:45 – 16: 45, Room 303

- *Human Factors in Nuclear Industry*, **LEAL Angelica**, Bertin Technologies
- *IAEA Basic Principle Nuclear Power Plant Simulators for Educational Purposes*, **PAINTER Chad**, IAEA
- *Skills and Competencies in Nuclear: current trends and future perspectives*, **ZIDI Dylan**, Thomas Thor Associates

3 Energy Strategy and Economic Challenges, 16: 50 – 18:00, Room 303

- *Cost Estimating in Decommissioning of NPP*, **BEAL Philippe**, EDF
- *UK Nuclear New Build Programme: Funded Decommissioning Planning*, **MISTRY Aujas**, NUVA

- *Long-term Uranium Market Dynamics*, **MONNET Antoine**, CEA

4 Nuclear Safety (1/ 2), 14:00 – 15:30, Theatre Louis Armand

- *Integrated Nuclear Safety*, **SAGUET Romain**, Réel
- *Development and integration of a performance based fire safety assessment tool*, **Van Raemdonck Dean**, Tractebel Engie
- *Defining operating conditions for OPTIMOV® – Optimization Program for Testing without Intrusion of Motor Operated Valves*, **VROMANT David**, Tractebel Engie
- *The Importance of Timing Categorisation and Classification Activities in the Design Sequence of a New Build Project*, **KRZYZOSIAK Jonathan**, EDF ENERGY

4 Nuclear Safety (2/ 2), 15:45 – 16:45, Theatre Louis Armand

- *Lifetime Extension of PVC Cables*, **ISHII Aki**, Tractebel Engie
- *VeRCoRs: the mock-up to accelerate time*, **CORBIN Manuel**, EDF
- *ATMEA1 Reactor - Strategy against Extreme External Hazards (Post-Fukushima)*, **FIGHIERA Béatrice**, ATMEA

5 Nuclear Fuel, 15:45 – 17:25, Room Georges Stephenson

- *Work Plan for Improving the Darwin2.3 Depleted Material Balance Calculation Concerning some Important Isotopes for the Fuel Cycle*, **RIZZO Axel**, CEA
- *A Panorama of Minor Actinides Transmutation Challenges and options in Fast Reactors*, **KOOYMAN Timothée**, CEA
- *Nonlinear dynamical behavior of a fuel pins bundle*, **CATTEROU Thomas**, CEA
- *Modelling of LOCA Fuel Rod Behaviors Using Code FRAPTRAN 1.5*, **DETHIOUX Adrien**, Tractebel Engie
- *Involvement of EDF in the Halden Reactor Project: a long-term cooperation in R&D*, **LAVOIL Alexandre**, EDF

6.1 Reactor Physics : Neutronics, 14:00 – 15:30, Room Georges Stephenson

- *The Future of Computer Modeling in the Nuclear Industry: an Innovative Discretisation Method*, **MORFOISSE Alix**, Assystem
- *Loading Pattern Optimisation*, **VERMEEREN Bart**, Tractebel Engie

- *CEA/DEN Depletion Code Systems: DARWIN and MENDEL comparison on a SFR application*, **MAO Hélène**, CEA

6.2 Reactor Physics : Mechanics and Thermohydraulics, 15:45 – 17:05, Room 302

- *X-FEM Simulation of Cracked Tensile Tests to help Demonstrating RPV Structural Integrity*, **BOGAERT Anne-Sophie**, Tractebel Engie
- *The ab initio energetics of large interstitial clusters in body centered cubic metals: application to Fe, W, V and Ta*, **ALEXANDER Rebecca**, CEA
- *Fluid-structure Interaction of Cylindrical Structures in a Potential Flow*, **CAPANNA Roberto**, CEA
- *Post-Fukushima Project - The Steam Generators Ultimate Feed water System (UFS)*, **CANAL Toussaint**, EDF

7.1 Decommissioning, 14:00 – 15:30, Room 203

- *Time in Nuclear Energy: decommissioning PWRs in France*, **EHRHARD Marie-Caroline**, EDF
- *Clean-up and Decommissioning of the ONDRAF/NIRAS Site FLEURUS*, **SOHM Marie-Anne**, Tractebel Engie
- *Radiological Characterization of Graphite Gas Reactor: from issues to field*, **WEILL Clémence**, EDF
- *DAHER Fuel Rods Encapsulation Equipment for dismantling programs and investigation*, **LEFEBVRE Pierre**, DAHER

7.2 Nuclear Waste Management, 15:45 – 17:05, Room 203

- *Diffusion and Migration through Hydraulic Binder Based Materials for the Radioactive Waste Storage*, **NGUYEN Hung**, CEA
- *Co-Processing of High Activity Waste*, **DAVE Kinjal**, University of Cambridge
- *Intermediate Temperature Dependence of Radioactive Waste Glass Dissolution*, **ZILLHARDT Thomas**, University of Cambridge
- *Modern2020- project overview*, **BERTRAND Johan**, Andra

Poster session, 14:00 – 15:45, Hall, groundfloor

- *In Vessel Melt Retention for existing VVER 1000 units - Large scale experimental facility*, **BATEK David**, ÚJV Řež, a. s., Czech Republic
- *Stress and Fatigue Analyses of RPV main flange using FEM*, **JILKOVA Tereza**, ÚJV Řež, a. s., Czech Republic
- *Big data for NPP Operation*, **ZHI Shengke**, Amec Foster Wheeler
- *Investigation of Deposition Mechanisms of Tube Support Plate (TSP) clogging in PWR steam generators (SG)*, **YANG Guangze**, CEA
- *R&D at Andra in Support of Monitoring Program*, **BERTRAND Johan**, Andra
- *Generation IV Sodium Fast Reactors and the main aspects of the sodium-fuel interactions*, **COSTIN Dan-Tiberiu**, CEA
- *Heavy Reflector type EPR benchmarking (neutronic part)*, **BRESSON Anaïs**, EDF-ISTP
- *Study of the correlation between fuel engineering properties and point defects*, **MA Yue**, CEA
- *From AMI to LIDEC nuclear facilities*, **LE MEIGNEN Romain**, EDF
- *Safety of Transport and Storage of damaged spent fuel rods – Development of a drying method and water control in damaged fuel rods*, **LEFEBVRE Pierre**, DAHER
- *Nuclear Power Plant Environmental Impact*, **LESTERLE Sébastien**, EDF