

[Track4] Modeling for Advanced Technology Fuels (ATF) II

- **Evaluation of the Performance of LEU+ Fuel Rods in a SMR**

Sunguk Lee(Korea Atomic Energy Research Institute),Heejeong Jeong(Korea Atomic Energy Research Institute),Youngin Kim(Korea Atomic Energy Research Institute),Hyochan Kim(Korea Atomic Energy Research Institute),Dong-Joo Kim(Korea Atomic Energy Research Institute)

- **An Advanced Group Constant Functionalization Methodology for LEU+ Nuclear Fuel**

Sunghyun Cho(Hanyang University),Woo Jin Lee(Hanyang University),Ser Gi Hong(Hanyang University),Joo Il Yoon(KEPCO International Nuclear Graduate School)

- **Thermomechanical simulation of microcell CERMET fuel under irradiation**

Veronica D'Ambrosi(CEA),Jules Fauque(CEA.DES.IRESNE.DEC),Luc Portelette(CEA),Renaud Masson(CEA)

- **Evaluation of nuclear-grade FeCrAl alloys claddings for Small Modular Reactor applications**

Zaira I. Jiménez Balbuena(Karlsruhe Institute of Technology),Fabrizio Gabrielli(Karlsruhe Institute of Technology),Mauricio Exequiel Cazado(Karlsruhe Institute of Technology),Laure Carenini(French Authority for Nuclear Safety and Radiation Protection),Laurent Laborde(French Authority for Nuclear Safety and Radiation Protection)