

[Track4] Fuel Performance Code I

- **Hierarchical MH-within-Gibbs Calibration of Fuel Performance Models Using Halden Time-Series Data with Explicit Treatment of Model Prediction Uncertainty**

Gustav Robertson(Westinghouse Electric Sweden AB/Uppsala University),Jussi Peltonen(Westinghouse Electric Sweden AB),Martin Jonson(Westinghouse Electric Sweden AB),Aysenur Toptan(Westinghouse Electric Company LLC),Csaba Györi(NucleoCon),Glyn Rossiter(Westinghouse Electric UK)

- **Development of PCMI Contact and Friction Models in the FEM-Based Fuel Performance Code MERCURY**

Dong-Hwa Lee(Korea Atomic Energy Research Institute),Sung Uk Lee(Korea Atomic Energy Research Institute),Hyo Chan Kim(Korea Atomic Energy Research Institute)

- **Analysis of High Burnup PWR Spent Fuel Behavior with Plant Data by FRAPCON-4**

Wan-June Chiu(National Atomic Research Institute),Wan-Yun Li(Institute of Nuclear Engineering and Science, National Tsing Hua University/Nuclear and New Energy Education and Research),Yaw-Hwa Shiu(National Atomic Research Institute),Jong Rong Wang(Institute of Nuclear Engineering and Science, National Tsing Hua University/Nuclear and New Energy Education and Research),Shao-Wen Chen(Institute of Nuclear Engineering and Science, National Tsing Hua University),Chunkuan Shih(Nuclear and New Energy Education and Research/Institute of Nuclear Engineering and Science, National Tsing Hua University)

- **Simulation of High Burnup Fuel Rod Performance and Reactor Operation Using Multiphysics Code Systems**

Liping Cao(Westinghouse Electric Company LLC),Mykola Boychenko(Westinghouse Electric Company LLC),Vefa Kucukboyaci(Westinghouse Electric Company LLC),Yixing Sung(Westinghouse Electric Company LLC),Tatiana Siaraferas(Westinghouse Electric Company LLC)

- **A modern approach for the integral assessment of the TRANSURANUS code**

Pau Aragón(European Commission - Joint Research Centre),Diego Jaramillo-Sierra(European Commission - Joint Research Centre),Zsolt Soti(European Commission - Joint Research Centre),Arndt Schubert(European Commission - Joint Research Centre),Paul Van Uffelen(European Commission - Joint Research Centre)