

[Track2] Fuel Behavior, Performance & PIE

• High-Temperature In Situ XRD-XAFS Revealing the Breakdown of Structural Coherence in UO₂-ZrO₂ near 2000 K

Ayumi Itoh(Institute of Science Tokyo)

• Progress on an Instrumented Irradiation Rig for In-Situ Thermal Conductivity and Fission Gas Release Measurements on Miniature Fuel Specimens

Jacob Gorton(Oak Ridge National Laboratory),Trevor Parker(Oak Ridge National Laboratory),Kenneth Cooper(Oak Ridge National Laboratory),Kara Godsey(Oak Ridge National Laboratory),Dillon Cranford(Oak Ridge National Laboratory),Richard Howard(Oak Ridge National Laboratory),Jason Harp(Oak Ridge National Laboratory),Andrew Nelson(Oak Ridge National Laboratory),Nathan Capps(Oak Ridge National Laboratory),Christian Petrie(Oak Ridge National Laboratory)

• Advancing the PCI Resistance of BWR Fuel

Uffe Bergmann(Westinghouse Electric Sweden AB),Jesper Kierkegaard(Westinghouse Electric Sweden AB),Magnus Limbäck(Westinghouse Electric Sweden AB),John Loberg(Westinghouse Electric Sweden AB),Scott Vrtiska(Westinghouse Electric Sweden AB)

• Initial Postirradiation Examination of Boiling Water Reactor Fuel Rods with Standard and Gadolinia Fuel

Jason Harp(Oak Ridge National Laboratory),Peter Doyle(Oak Ridge National Laboratory),Mathew Jones(Oak Ridge National Laboratory),Ian Porter(Global Nuclear Fuel - Americas),Dan Lutz(Global Nuclear Fuel - Americas)