

MRS2017 - Scientific Basis for Nuclear Waste Management Symposium 2017

Monday 30 October 2017

Spent Fuel & Zircaloy Cladding: Session Chairs Claude Degeuldre & Sebastien Caes (14:30-16:00)

time	[id] title	presenter
14:30	[16] Modelling the Corrosion of Spent Nuclear Fuel Inside a failed Waste Container	Prof. SHOESMITH, David
15:00	[17] NEW ASPECTS OF THE MECHANISM OF HYDROGEN EFFECT ON SPENT FUEL DISSOLUTION	Prof. SPAHIU, Kastriot
15:15	[66] Impact of lanthanide elements on the dissolution of uranium dioxide	Prof. DACHEUX, Nicolas
15:30	[52] Aqueous leaching of high burnup UO ₂ fuel under hydrogen conditions	Dr PURANEN, Anders
15:45	[67] Development of solid state MAS NMR techniques for the characterization of alteration products formed during the dissolution of spent nuclear fuel.	Mr TAN, Beng Thye

Spent Fuel & Zircaloy Cladding: Session Chairs Kastriot Spahiu & Mike Garamszeghy (16:30-18:00)

time	[id] title	presenter
16:30	[64] Effect of platinoid elements on the dissolution of uranium dioxide	Prof. DACHEUX, Nicolas
17:00	[26] The Corrosion of Copper Nuclear Waste Containers under Deep Geologic Disposal ConditionsF	SHOESMITH, David
17:15	[70] Radionuclide containing solid phases on the inner surface of a Zircaloy-4 cladding tube	Mr GONZÁLEZ-ROBLES CORRALES, Ernesto
17:30	[54] Comparison of calculated and measured radionuclide inventory of a Zircaloy-4 cladding tube plenum section	Dr HERM, Michel
17:45	[33] Activation energy for parabolic corrosion kinetics of Zircaloy-4 by consecutive hydrogen measurement at 30 – 80°C	Dr SAKURAGI, Tomofumi