

S18: Challenges in Spent Fuel Verification

Chair: S. Zykov (IAEA), S. Tobin (USA)

TechSec: I. Cherradi (IAEA)

Room M1

(14:00 – 17:30)

Time	Id	Presenter	Title
14:10	S18-01	R. Rossa Belgium	A New Approach for the Application of the Self-Interrogation Neutron Resonance Densitometry (SINRD) to Spent Fuel Verifications
14:30	S18-02	Y. D. Lee Korea, Rep. of	Status of LSDS Development for Isotopic Fissile Assay in Used Fuel
14:50	Two-minute E-Poster introductions followed by viewing of poster displays		
	S18-03	A. Borella Belgium	Advances in the Development of a Spent Fuel Measurement Device in Belgian Nuclear Power Plants
	S18-04	P. Jansson Sweden	Gamma Transport Calculations for Gamma Emission Tomography on Nuclear Fuel within the UGET Project
	S18-05	V. Ivanovs Latvia	Performance Evaluation of New Generation CdZnTe Detectors for Safeguards Applications
	S18-06	G. Havrilla USA	Initial hiRX Performance Characterization of Pu in Nuclear Spent Fuel Matrix
	S18-07	S. Jacobsson Svärd Sweden	Gamma-Ray Emission Tomography: Modeling and Evaluation of Partial-Defect Testing Capabilities
	S18-08	A. LaFleur USA	Experimental Assessment of a New Passive Neutron Multiplication Counter for Partial Defect Verification of LWR Fuel Assemblies
	S18-09	Y. G. Lee IAEA	Development of "Fission Chamber Free" Fork Detector (FDET) for Safeguards Measures on LWR Spent Fuel Assemblies
15:30	Coffee and Technical Demonstration: An Innovative Next-Generation Radioisotope Identification Device (RIID) Developed for the Mission Profiles of Safeguards and Nuclear Security		
16:00	S18-10	Y. Kuno Japan	Application of Passive Gamma-ray Spectroscopy for Special Nuclear Material Accountancy in Molten Core Material of Fukushima Dai-ichi Nuclear Power Plant
16:20	S18-11	S. Vaccaro EU	Uncertainty Quantification of Fork Detector Measurements from Spent Fuel Loading Campaigns
16:40	S18-12	T. Honkamaa Finland	A Prototype for Passive Gamma Emission Tomography
17:00	S18-13	K.-P. Ziock USA	U and Pu Gamma-Ray Measurements of Spent Fuel Using a Gamma-Ray Mirror Band-Pass Filter

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