Sunday, November 5 Registration: 4:30 – 6:00 PM, Embassy Suites by Hilton Denver Downtown Convention Center, Crystal Foyer, Third Floor Welcome Reception: 6:00 – 8:00 PM, Crystal Ballroom							
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			Monday, November 6				
			Meeting Room: Crestone Ballroom, Third Floor				
	elcome to Denver and	9:00 am	Opening Remarks	Jeff Chamberlin	NNSA/US		
	RERTR-2023 International Meeting: Research Reactors & HALEU		BR2 LEU Conversion Status: Initial Post-Irradiation Neutronics Analysis of COBRA-LEU-LTAs in BR2 Operational Cycles	Silva Kalcheva	SCK/Belgium		
	or a Brighter Future	9:35 am	Capabilities of the Converted KUCA LEU Cores for HALEU Criticality Studies	Yoshiyuki Takahashi	KUCA/Japan		
Ch	Chaired by	9:55 am	The New Multi-Purpose Research Reactor in Nigeria (MPRR): Alignment with the IAEA Milestones Approach and Integration of Proliferation Resistance Measures	Sunday Jonah	CERT/Nigeria		
CII	ris Landers (NNSA) and John Stevens (ANL)	10:15 am	Kindai University Reactor Role in Assuring the Future Nuclear Workforce	Genichiro Wakabayashi	Kindai/Japan		
			10:35 AM Refreshment Break				
		11:00 am	The Conversion of FRM II to LEU – Status and Path Forward	Bruno Baumeister	TUM/ Germany		
	HEU Minimization Programs Chaired by Allison Johnston (NNSA)	11:20 am	Development of High-Density LEU Targets Based on Atomized Powder	Kinam Kim	KAERI/Korea		
1		11:40 am	Silo Storage for IVG.1M Irradiated Highly Enriched Uranium	Kris Gaines	ORNL (Remove)/US		
		Noon	Fireside Chat with Chris Landers and Guests	Chris Landers et al	I		
	12:30 PM Lunch Break						
		2:00 pm	IAEA Support for Research Reactor Fuel Cycle Programmes	John Dewes	IAEA		
•	Proliferation Resistance Now and for the Future	2:20 pm	INVAP Progress and Plans for the Next Generation of Research Reactors	Matias Marquez	INVAP/ Argentina		
2		2:40 pm	Flux Traps in Research Reactors: Implications for Neutron Flux and Conversion to Low-Enrichment Uranium Fuel	Hadi Abuzlf	Ben-Gurion Unive/Israel		
	Chaired by Alex Meehan (NNSA)	3:00 pm	TRIGA Reactor Digital Control and Monitoring for Operation and Operator Training	Alex Nellis	Penn State/USA		
			3:05 PM Refreshment Break				
	Fuel Qualification and Irradiation Campaigns	3:30 pm	An Update on the High Density Silicide Fuel Post Irradiation Examinations	Ann Leenaers	SCK/Belgium		
		3:50 pm	Update on Recent Results from the Scanning Electron Microscopy Characterization of Fuel Plates Irradiated in EMPIrE	Dennis Keiser	INL/USA		
3		4:10 pm	FUTURE-MONO-1 Irradiation Test Status Update	Christian Schwarz	TUM/ Germany		
		4:30 pm	Thermophysical Property Characterization of Irradiated U-10wt.%Mo Mini-plates from the MP-1 Experiment	Tsvetoslav Pavlov	INL/USA		
	Chaired by Abdellatif Yacout (ANL)	4:50 pm	Conversion of NNC reactors: Features of the Energy Start-up of the IVG.1M Reactor	Irina Prozorova	NNC/ Kazakhstan		
			5:10 PM Adjourn				

	Tuesday, November 7						
Meeting Room: Crestone Ballroom, Third Floor							
	Fuel Fabrication Updates	8:30 am	From Whiteboards to Excel to SQL: Managing DRIP	Camilla McKinnon	BYU/USA		
		8:35 am	New Manufacturing Process Line at Framatome CERCA's Facility for TRIGA Fuel Production	Jerome Allenou	CERCA/ France		
4		8:55 am	A Critical Review on the History of Fabricating Monolithic U-Mo Fuel Plates	Jason Schulthess	INL/USA		
		9:15 am	Status of U-10Mo Fuel Fabrication at BWX Technologies	Robert Johnson	BWXT/USA		
	Chaired by Christian Schwarz (TUM)	9:35 am	USHPRR Fuel Fabrication Pillar: A Modeling Framework to Inform the Fabrication of U-10Mo Monolithic and U3Si2 Fuel	Ayoub Soulami	PNNL/USA		
9:55 AM Refreshment Break							
	Applications/Operations	10:30 am	Installation of and Operational Experiences with the Penn State Breazeale Reactor's New Digital Control System	Ethan Kunz	Penn State/USA		
		10:35 am	Special Hardware for Irradiation Testing of the Design Demonstration Elements	Greg Housley	INL/USA		
-		10:55 am	Capabilities of Advanced Irradiations and Fuel Testing at MARIA Reactor	Gaweł Madejowski	NCNR/Poland		
5		11:15 am	Twenty-Nine Years of Operating a Research Reactor: Evaluation of Ghana's MNSR	Henry Odoi	GAEC/Ghana		
		11:35 am	Opportunities and New Challenges – FRM II Sailing in Troubled Waters	Axel Pichlmaier	TUM/ Germany		
	Chaired by Chris Heysel (McMaster)	11:55 am	Development of a Sandwich Formula Uncertainty Quantification Widget for MCNP	Caroline Sears	MIT/USA		
Noon Lunch Break							
	U.S. High Performance Reactor Conversions	1:30 pm	Massachusetts Institute of Technology Reactor (MITR) LEU Conversion Update	Lin-wen Hu	MIT/USA		
		1:50 pm	University of Missouri Research Reactor (MURR) LEU Conversion Update	Maria Pinilla	MURR/USA		
6		2:10 pm	NBSR Update and Progress in Analytical Studies to Support the NBSR Conversion	Lap Cheng	BNL/USA		
		2:30 pm	ATR Updates for Using Low Enriched Fuel	Collin Clark	INL/USA		
	Chaired by Dhongik Yoon (ANL)	2:50 pm	High Flux Isotope Reactor Low-Enriched Uranium Conversion Activities – 2023 Status Update	Carol Sizemore	ORNL/USA		
			3:10 PM — Refreshment Break				
	International Reactor Conversion Progress and Partnerships	3:30 pm	Validation and Comparison of 2D and 3D RANS Models for Flow through Curved Channels in MTR- type Nuclear Fuel Assemblies	Evan Bures	Texas A&M/ USA		
		3:35 pm	Modeling Updates for System Transient Simulations of RHF Research Reactor Using RELAP5	Yeongshin Jeong	ANL/USA		
7		3:55 pm	Development of a Composite Involute Fuel Plate Model for Fluid-Structure Interaction Analyses	Marta Sitek	ANL/USA		
		4:15 pm	Present Status and Future Plans of the Low-Enrichment Conversion Project at UTR-KINKI	Masato Tabuchi	Kindai/Japan		
	Chaired by Caleb Braun (MURR)	4:35 pm	Conversion of NNC Reactors: Conversion of IGR Reactor	Ruslan Irkimbekov	NNC/ Kazakhstan		
4:55 PM - Break between Oral Sessions and Poster Session							

	6:00 PM Poster Session and Reception Crystal Ballroom, Third Floor					
	Poster Session and Reception Chaired by Caryn Warsaw (ANL)	by 6:00 –	Building a Robust Fuel Assembly Measurement System	Daniel Fuentes Rodriguez	PNNL/USA	
			TRIGA Reactor Digital Control and Monitoring for Operation and Operator Training	Alex Nellis	Penn State/USA	
			Data Interpretation and Machine Learning for U-10Mo Non-Destructive Examination	Camilla McKinnon	PNNL/USA	
			Development of a Sandwich Formula Uncertainty Quantification Widget for MCNP	Caroline Sears	MIT/USA	
			From Whiteboards to Excel to SQL: Managing DRIP	Camilla McKinnon	PNNL/USA	
			Installation of and Operational Experiences with the Penn State Breazeale Reactor's New Digital Control System	Ethan Kunz	Penn State/USA	
			Validation and Comparison of 2D and 3D RANS Models for Flow through Curved Channels in MTR- type Nuclear Fuel Assemblies	Evan Bures	Texas A&M/USA	
			Tritium Yield Measurements for Lithium Containing Salts with Nuclear Track Method	Andrew Maier	Ohio State/USA	
			Innovative Surface Coating Technology for U-Mo Nuclear Fuel Performance under Neutron Irradiation	Dongjun Park	KAERI/Korea	
			Flow Behavior in Involute-plate Research Reactor: RANS, LES and DNS Simulations	Jeremy Licht	ANL/USA	
8			Mechanical Properties of Irradiated U-10wt.%Mo Alloy Degraded by Porosity Development	Jeffrey Giglio	INL/USA	
			Characterization of Zirconium Diffusion-Barrier Interlayer in Irradiated MP 1 Fuel Plates	Jan-Fong Jue	INL/USA	
			MP-2 Design, Irradiation Status, and Expected Sample Availability	Margaret Marshall	INL/USA	
			Porosity Observations with FUTURE-HFIR Silicide Plates	Theron Marshall	INL/USA	
			COMSOL Results for the Proposed LEU Silicide Fuel Designs under 95 MW Nominal Conditions for HFIR Conversion	Prashant Jain	ORNL/USA	
			Verification and Validation of RELAP5/MOD3.3 to Support the Research and Test Reactors Program	Dhongik Yoon	ANL/USA	
			Modelling NBSR Water Gap Flow Distributions for DDE and LEU Element	Mauricio Tano	INL/USA	
			CARTHAGE Flow Test Facility and DDE Modeling	Theron Marshall	INL/USA	
			Flow Test of USHPRR LEU Fuel Elements for Hydraulic Performance Evaluation	Andrew Hebden	ANL/USA	
			PARET/ANL 7.6 Modeling Approaches and Validations	Jeremy Licht	ANL/USA	
			Safety Updates of NIRR-1 Oversight	Kayode Adedoyin	NNRA/Nigeria	
			Economical Zirconium/Titanium Electroplating at Low-Throughput Commercial Scales	Vineet Joshi	PNNL/USA	

	Wednesday, November 8							
	Meeting Room: Crestone Ballroom, Third Floor							
	Fuel Fabrication Challenges and Advances	8:30 am	USHPRR Fuel Fabrication Pillar: Achievements and Advancements in Fabrication of U-10Mo Monolithic Fuel	Vineet Joshi	PNNL/USA			
9		8:50 am	Impact of the Fabrication Specification Tolerances of U-10Mo LEU Fuel on MITR and MURR	Valerio Mascolino	ANL/USA			
	Chaired by Bryon Curnutt (INL)	9:10 am	Uncertainty Quantification for the NBSR – Integrating Full-Core Sensitivity Coefficients and Nuclear Data Covariance Matrices	Lap Cheng	BNL/USA			
	9:30 AM Refreshment Break							
	Fuel Performance Analysis and Modeling	9:50 am	Evaluation of Uranium Silicide (U3Si2) Fuel Using 80 MeV Xenon lons at the ATLAS Material Irradiation Station	William Limestall	IIT/USA			
		10:10 am	Validation of the Thermal Calculation in the DART Fuel Performance Code Through the Benchmark with the PLTEMP/ANL Code and the Comparison with Measured Oxide Layer Thickness Data	Bei Ye	ANL/USA			
10		10:30 am	Integrating a Mechanical Analysis Module into DART to Predict Local Swelling in Monolithic and Dispersion Fuel Plates	Yeon Soo Kim	ANL/USA			
		10:50 am	Water Channel Thickness Estimation Through High Frequency Ultrasonic Device	Rhofrane Mrabti	Univ. of Montpellier/ France			
	Chaired by Gawel Madejowski (NCNR)	11:10 am	Irradiation Thermo-Mechanical Analysis of LEU Fuel for MURR Conversion	Firat Cetinbas / Dhongik Yoon	ANL/USA			
11:30 AM Lunch Break								
	Design and Analysis Methods	1:00 pm	Preliminary Comparison of Depletion and Fuel Management Software MCODE and ADDER for the MIT Research Reactor	Maurane Garanzini	MIT/USA			
11		1:20 pm	Fluid Structure Interaction Modelling for MITR and NBSR DDEs	Mauricio Tano	INL/USA			
		1:40 pm	Impacts of Irradiated MURR LEU Fuel Thermo-Mechanical Behavior on Thermal Hydraulics Safety Analysis	Dhongik Yoon	ANL/USA			
	Chaired by Dennis Vinson (SRNL)	2:00 pm	System Code Modelling for NBSR DDE	Theron Marshall	INL/USA			
2:30 PM Summary and Closure								
Jeff Chamberlin (DOE-NNSA) and John Stevens (ANL)								
3:00 PM Adjourn								