

RERTR-2007 International Meeting on Reduced Enrichment for Research and Test Reactors
Prague, Czech Republic, September 23 - 27, 2007

PROGRAM: Wednesday - Sep. 26, 2007

Session	Session Title	Time	Paper Title	Authors
Wednesday Meeting Room: Prague Ballroom				
9	Mo-99 Production - Part 2 <i>Co-Chairs: I. Goldman, R. Schultz</i>	8:00 a.m.	1 Highlights of ANL Technical Progress for Conversion of HEU-Based Mo-99 Production as Part of the U. S. Global Threat Reduction-Conversion Program	Allen Bakel, Artem Guelis, Lohman Hafenrichter, Andrew Hebden, James Jerden, Argentina Leyva, Kevin Quigley, Dominique Stepinski, and George F. Vandegriff
			2 Feasibility Study Part 1 - Thermal Hydraulic Analysis of LEU Target for Mo-99 Production in Tajoura Reactor	F. Bsebsu, F. Abotweirat, S. Elwaer
			3 Feasibility Development Program LEU-Foil Plate Type Target for the Production of Mo-99	C. Allen, R. Butler, C. Jarousse, J.L. Falgoux
			4 Progress in Chile in the Development of the Fission Mo-99 Production Using CINTICHEM	R. Schraeder, J. Klein, J. Medel, J. Marín, N. Salazar, C. Albornoz, M. Chandia, X. Errazu, R. Becerra
			5 Tc-99m Generators for Clinical Use Based on Zirconium Molybdate Del and (n _γ) Produced Mo-99: Indian Experience in the Development and Deployment of Indigenous Technology and Processing Facilities	P. Saraswathy, A. Dey, S. Sarkar, C. Kothalkar, P. Naskar, G. Arjun, S. Arora, A. Kohli, V. Meera, V. Venugopal, N. Ramamoorthy
Coffee Break and Refreshments				
10	Conversion Analysis - Part 2 <i>Co-Chairs: E. de Wit, N. Hanan</i>	10:30 a.m.	1 MNSR Flux Performance and Core Lifetime Analysis with HEU and LEU Fuels	J. R. Liaw, J. E. Matos
			2 The Study of Physics and Thermal Characteristics for the Special MNSR	K. Guotu, S. Ziyong, L. Zheng, S. Feng, L. Tiancai
			3 The Physics of Experimental Study for the Special MNSR	L. Yiguo, X. Pu, Z. Shuyun, Z. Yongbao, L. Zheng, Z. Wuqing, S. Yongqian, G. Jijin, Z. Yongmao
			4 Progress in the Conversion Activity of the Syrian MNSR	M. Albarhoum
Lunch The Loretta Dining Room (Second Floor)				
11	Poster Session Belvedere I and II (Second Floor) <i>Organizer: J. Holland</i>	12:30 p.m.	1 Generic Methodology for Assessment of Research Reactor Fuel Integrity	T. Totev
			2 Identification of Phases in the Interaction Layer between U-Mo-Zr/Al and U-Mo-Zr/Al-	C. K. Varela, S. Arico, M. Mirandou, S. Balart, L. Gribaudo
			3 Vinca Institute Safety and Licensing Actions for Carbon Steel Structure Removal from RA Research Reactor SNF Pool	M. Pešić, O. Šotić, S. Pavlović, V. Ljubenov, A. Nikolić
			4 RELAP5-3D and MCNP Analysis of MNSR HEU and LEU Cores	F. Dunn, J. Thomas, J. Liaw, J. Matos
			5 Microstructure of 50 Year Old SKC•CEN BR1 Research Reactor Fuel	A. Leenaers, S. Van den Berghe
			6 Technical Assumption for Mo-99 Production in the MARIA Reactor	J. Jaroszewicz, K. Pytel, J. Dabkowski
			7 Thermal-Hydraulic Calculations for the Conversion to LEU of a Research Reactor Core	D. Grigoriadis, M. Varvayannim, N. Catsaros, E. Stakakis
			8 Current Status of U ₃ Si ₂ Fuel Elements Fabrication in Brazil	M. Durazzo, A. Silva, J. de Souza, E. de Carvalho, H. Riella
			9 Neutronic Calculations for the Conversion to LEU of a Research Reactor Core	M. Varvayanni, D. Grigoriadis, N. Catsaros, E. Stakakis
			10 Conversion: Experiences from the Texas A&M University Reactor Conversion	J. Creasy
			11 Texas A&M HEU to LEU Conversion Fabrication and Operational Performance	A. Veca, K. Mushinski
			12 Conversion of Research and Test Reactors: Past Performance, Future Plans	N. Butler
			13 Determination of a Neutron Flux Density Distribution in the Core with LEU Fuel IRT 4M at the Training Reactor VR-1	O. Huml
			14 Measurement of Gamma Field Parameters in Core with LEU Fuel IRT-4M Using TL Detectors	T. Bily
			15 The First Critical Experiment with a LEU Russian Fuel IRT-4M at the Training Reactor VR-1	J. Frybort
			16 The Determination of Neutron Energy Spectrum in Core C1 of Reactor VR-1	M. Vins
			17 Comparison of Traditional Nondestructive Analysis of RERTR Fuel Plates with Digital Radiographic Techniques	T. Davidsmeier, R. Koehl, R. Lanham, E. O'Hare, T. Wiencek
			18 Thermal Hydraulic Analysis for the Oregon State TRIGA Reactor Using RELAP5-3D	W. Marcum, B. Woods, M. Hartman
12	U.S. Reactor Conversion <i>Co-Chairs: J. Matos, J. Marques</i>	2:00 p.m.	1 U.S. Domestic University Reactor Conversion Program	D. Meyer, E. Woolstenhulme
			2 ATR LEU Fuel and Burnable Absorber Neutronics Performance Optimization by Fuel Plate Thickness Variation	G. Chang
			3 Progress Made on the University of Missouri Research Reactor HEU to LEU Conversion Feasibility Study	J. C. McKibben, K. Kutikkad, L. Foyto
			4 Reactor Core Design and Modeling of the MIT Research Reactor for Conversion to LEU	T. Newton, A. Olson, J. Stillman
			5 Validation of the MULCH-II Code for Thermal Hydraulic Safety Analysis of the MIT Research Reactor Conversion to LEU	Y-C. Ko, L-W. Hu, A. Olson, F. Dunn
Coffee Break and Refreshments				
13	Fuel Development - Part 3 <i>Co-Chairs: P. Adelfang, D. Sears</i>	4:30 p.m.	1 Observations Derived from the Characterization of Monolithic Fuel Plates Irradiated as Part of the RERTR6 Experiment	D. Keiser, A. Robinson, M. Finlay

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| 2 | Transmission Electron Microscopy Investigation of Irradiated U-7%Mo Dispersion Fuel | S. Van den Berghe, W. Van Renterghem, A. Leenaers |
| 3 | Post Irradiation Analysis and Performance Modeling of Dispersion and Monolithic U-Mo Fuels | Y. S. Kim, G. Hofman, P. Medvedev, S. Hayes, G. Shevlyakov |
| 4 | Improvement in the Structure Identification of the Phases in the Interaction Layers U-Mo/Al or Al-Si Employing High Intensity X-ray Diffraction | M. Mirandou, S. Balart, C. Varela, S. Aricó, A. Fortis |

6:00 p.m. Adjourn