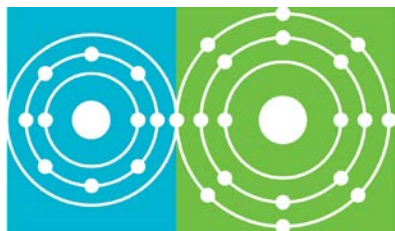


MOLTEN SALT REACTOR CAMPAIGN REVIEW MEETING

ALL TIMES ARE PACIFIC DAYLIGHT TIME (PDT)

APRIL 16-18, 2024

TEAMS CALL



Molten Salt Reactor
P R O G R A M

TUESDAY, APRIL 16, 2024			
8:00 AM	8:05 AM	Opening Remarks	Janelle Eddins/Michael Stoddard/DOE-NE
8:05 AM	8:15 AM	Overview of the MSR Campaign	Patricia Paviet/PNNL
THERMOPHYSICAL AND THERMOCHEMICAL PROPERTIES OF SALT			
8:15 AM	8:45 AM	Thermochemical and Thermophysical Property Development for the Molten Salt Databases at ANL	Melissa Rose/ANL
8:45 AM	9:15 AM	Molten Salts Thermophysical Properties Determination and Salt Irradiation Experiment at INL	Toni Karlson/Abdalla Abou Jaoude/INL
9:15 AM	9:45 AM	Thermochemical and Thermophysical Property Development for the Molten Salt Databases at LANL	Marisa Monreal/LANL
9:45 AM	10:30 AM	AIMD and Measurements of Thermophysical Properties for the Molten Salt Database at ORNL	Tony Birri/Vanda Glezakou/ORNL and AIMD support
10:30AM	10:45 AM	BREAK	
10:45AM	11:30 AM	Experimental and computational study of MgCl ₂ -KCl mixtures	Kyle Makovsky/ Manh Thuong Nguyen/ PNNL
11:30AM	12:00 PM	Generation of Molten Salt Thermochemical Properties at USC	Ted Besmann/UCS
12:00 PM	12:45 PM	Update of the Databases MSTDB-TP AND MSTDB-TC	Ted Besmann/UCS and Tony Birri/ORNL
MODELING and SIMULATION			
12:45 PM	01:15 PM	MSR species tracking	Mauricio Tano Retamales/INL
01:15 PM	1:45 PM	Mechanistic source term development	Christian Matthew/Brandon De Luna/David Luxat/Lucas Albright/SNL
1:45 PM		Adjourn	

MOLTEN SALT REACTOR CAMPAIGN REVIEW MEETING

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APRIL 16-18, 2024

TEAMS CALL

WEDNESDAY, APRIL 17, 2024			
8:00 AM	8:05 AM	Welcome Back	Janelle, Michael & Patricia
RADIONUCLIDE RELEASE			
8:05 AM	8:20AM	Overview of the technology development and demonstration	Joanna McFarlane/ORNL
8:20 AM	8:45 AM	Salt Loop and Capability for Testing Sensors and Off Gas Components	Kevin Robb/ORNL
8:45 AM	9:15 AM	Distributed Salt Chemistry Monitoring and Control	Nathaniel Hoyt/ANL
9:15 AM	9:40 AM	On-line Monitoring for MSR Off-Gas Treatment: Molecular approach	Heather Felmy/ Amanda Lines and Sam Bryan/PNNL
9:40AM	10:05AM	Laser Induced Breakdown Spectroscopy (LIBS) for elemental monitoring of MSR off-gas streams	Hunter Andrews/ORNL
10:05 AM	10:25 AM	Update on Radiation Exposure Measurements of Metal Organic Framework at PNNL	Praveen Thallapally/Mark Murphy/PNNL
10:25 AM	10:50 AM	Experiment and Modeling Liquid Salt Test Loop LSTL	Kyoung Lee and Bob Salko /ORNL
10:50 AM	11:00 AM	BREAK	
11:00AM	11:30PM	Tritium Transport	Thomas Fuerst/INL
11:30 AM	12:00 PM	Salt Spill Testing	Sara Thomas/ANL
MATERIALS			
12:00 PM	12:30 PM	Salt and Materials Interaction at ORNL	Bruce Pint/ORNL
12:30 PM	1:00 PM	Development of surveillance test articles for materials Degradation management in MSR environment	Michael McMurtrey/INL
1:00 PM	1:30 PM	Graphite and Salt Interaction	Nidia Gallego/ORNL
1:30 PM		Adjourn	

MOLTEN SALT REACTOR CAMPAIGN REVIEW MEETING

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APRIL 16-18, 2024

TEAMS CALL

THURSDAY, APRIL 18, 2023			
8:00 AM	8:05 AM	Welcome Back	Janelle, Michael & Patricia
MSR RADIOISOTOPES			
8:05 AM	8:30 AM	Chlorine Isotopes Separation for Advanced Fast Spectrum MSRs	Bruce McNamara and Zachary Huber/PNNL
8:30 AM	8:55 AM	Beryllium carbide as moderator for MSRs	Anne Campbell/ORNL
8:55 AM	9:20 AM	Laser Induced Breakdown Spectroscopy – Isotope Ratio	Hunter Andrews/ORNL
9:20 AM	9:45 AM	MSR chlorine radioisotopes separation	Danny Bottenus/PNNL
SAFETY/INTERNATIONAL/REGULATORY			
9:45 AM	10:15 AM	MSR Safety and International Involvement	David Holcomb/INL
10:15 AM	10:40 AM	Regulatory Framework Modernization support for MSR deployment	Christopher Chwasz/INL
10:40 AM	11:00 AM	BREAK	
UNIVERSITIES PRESENTATION			
11:00 AM	11:30 AM	IRP- Molten Salt Reactor Test Bed with Neutron Irradiation	Charles Forsberg/MIT
11:30 AM	12:00PM	IRP- Bridging the gap between experiments and modeling to improve the design of molten salt reactors	Max Fratoni/UC Berkeley
12:00 PM	12:30 PM	NEUP Project 19-16954: Innovative In-situ Analysis and Quantification of Corrosion and Erosion of 316 Stainless steel in Molten Chloride Salt Flow Loops	Adrien Couet/Uni. Wisconsin-Madison
MISCELLANEOUS			
12:30 PM	1:00 PM	Invited Presentation – Molten salt in extreme environment Energy Frontier Research Center	Jim Wishart/BNL
1:00 PM	01:30PM	Invited Presentation -SCIDAC funded research on materials and modeling under MSR conditions	Laurent Capolungo/LANL
01:30 PM	01:45 PM	Conclusions	Janelle Eddins/Michael Stoddard/Patricia Paviet
01:45 PM		Adjourn	