



**Nuclear Science User Facilities (NSUF)
Users Meeting 2016 Schedule
June 6-9**

Monday, June 6

8:00 – 8:30 a.m. MDT Registration and check-in

NSUF Users Meeting 2016: Introductory Workshop

8:30 – 8:40 a.m. MDT	Welcome	<i>Rory Kennedy</i> NSUF Director
8:40 – 8:50 a.m. MDT	Welcome by DOE-ID	<i>Alan Gunn</i> Acting Deputy Manager United States Department of Energy-ID
8:50 – 9:00 a.m. MDT	Welcome by DOE-HQ	<i>Alison Hahn</i> NSUF Program Manager United States Department of Energy-HQ
9:00 – 9:10 a.m. MDT	Welcome by User Organization	<i>Peng Xu</i> NSUF User Organization Executive Chair
9:10 – 9:45 a.m. MDT	NSUF overview & capabilities	<i>Dan Ogden</i> NSUF Deputy Director
9:45 – 10:15 a.m. MDT	Solicitation overview	<i>Jeff Benson</i> NSUF Program Administrator
10:15 – 10:45 a.m. MDT	Break	
10:45 – 11:05 a.m. MDT	Infrastructure management program overview	<i>Brenden Heidrich</i> NSUF R&D Capability Scientist
11:05 – 11:20 a.m. MDT	Gateway for Accelerated Innovation Nuclear (GAIN)	<i>John Jackson</i> Idaho National Laboratory
11:20 – 11:45 a.m. MDT	How to do an irradiation test	<i>Doug Dempsey</i> Idaho National Laboratory
11:45 – 1:15 p.m. MDT	Lunch (on your own)	

Irradiation Test Overview

1:15 – 1:55 p.m. MDT	NSUF Irradiation Capabilities	<i>Brenden Heidrich</i> NSUF R&D Capability Scientist
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PIE Overview

1:55 – 2:30 p.m. MDT	NSUF PIE Capabilities	<i>Collin Knight</i> NSUF PIE Project Manager
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2:30 – 3:00 p.m. MDT Break



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Beamline Overview

3:00 – 3:30 p.m. MDT	Materials characterization at MRCAT beamline	<i>Jeff Terry</i> Illinois Institute of Technology
3:30 – 4:00 p.m. MDT	Synchrotron characterization at the National Synchrotron Light Source II: A new NSUF partnership for material evaluation for nuclear energy systems	<i>Lynn Ecker</i> Brookhaven National Laboratory

Computing/Simulation Overview

4:00 – 4:30 p.m. MDT	NSUF high performance computing resources	<i>Eric Whiting</i> Idaho National Laboratory
4:30 – 5:00 p.m. MDT	Panel Open Discussion and Q&A	

Tuesday, June 7

Technical Sessions from NSUF Experimenters

Fuels Research and Development

8:30-9:05 a.m. MDT	?	<i>Isabella Van Rooyen</i> Idaho National Laboratory
9:05-9:40 a.m. MDT	LWR liquid-metal-bonded hydride fuel rods: Irradiation, examination and analysis	<i>Mehdi Balooch</i> University of California – Berkeley
9:40-10:00.m. MDT	Break	
10:00-10:35 a.m. MDT	Radiation effects in UO ₂	<i>Lingfeng He</i> Idaho National Laboratory
10:35 – 11:10 a.m. MDT	Low fluence irradiations of metallic fuels preliminary post-irradiation Characterization using synchrotron X-rays	<i>Maria Okuniewski</i> Purdue University
11:10-11:30 a.m. MDT	Panel Open Discussions and Q&A	
11:30 – 1:00 p.m. MDT	Lunch (on your own)	

Beamline

1:00 – 1:45 p.m. MDT	Physicochemical Interaction of Ag and Pd with SiC in multilayered thin films	<i>Daniel Velazquez</i> Illinois Institute of Technology
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1:45 – 2:30 p.m. MDT	Overview of NSUF program capabilities and recent user projects at ORNL	<i>Kurt Terrani</i> Oak Ridge National Laboratory
2:30 – 2:50 p.m. MDT	Break	
2:50 – 3:35 p.m. MDT	NSUF beam line experiment on advanced ferritic/martensitic and ODS alloys	<i>Janelle Wharry</i> Boise State University
3:35 – 4:00 p.m. MDT	Panel Open Discussions and Q&A	

NSUF Users Organization Meeting

4:00 – 5:00 p.m. MDT	Annual Users Organization Meeting	<i>Peng XU</i> NSUF User Organization Chair <i>Yong Yang</i> NSUF User Organization Chair-Elect
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NSUF Users Meeting 2016: User's meeting 2016 Social/Poster Session

5:00 – 5:30 p.m. MDT	Poster Session Set-Up
5:30 – 7:30 p.m. MDT	Social/ Poster Session

Wednesday, June 8

Technical Sessions from NSUF Experimenters

Cladding & Structural Materials

8:30 – 9:20 a.m. MDT	Neutron irradiation resistance of select MAX phases	<i>Michel Barsoum</i> Drexel University
9:20 - 10:10 a.m. MDT	Thermal aging and neutron irradiation effects of duplex stainless steels	<i>Yong Yang</i> University of Florida
10:10 – 10:35 a.m. MDT	Break	
10:35 – 11:00 a.m. MDT	Panel Open Discussions and Q&A	

Instrumentation & Nuclear Data

11:00 – 11:45 a.m. MDT	In-core measurement strategies to support irradiation tests	<i>Josh Daw/Ahmad Al-Rashdan</i> Idaho National Laboratory
11:45 – 1:15 p.m. MDT	Lunch (on your own)	



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1:15 –2:00 p.m. MDT NSUF nuclear data activities

Gilles Youinou
Idaho National Laboratory

2:00 –2:30 p.m. MDT Break

2:30 – 3:15 p.m. MDT Modeling of nuclear fuel behavior
with BISON

Rich Williamson
Idaho National Laboratory

3:15 –4:00 p.m. MDT Final Panel Wrap Up Q&A

Thursday, June 9

Facility Tours

6:45 a.m. – 3:30 p.m. MDT INL Site Tour