



**Advanced Test Reactor National Scientific User Facility
User's Meeting 2014 Schedule
June 4-6, 2014
Idaho Falls, ID**

Wednesday, June 4, 2014

Wednesday, June 4 – Center for Advanced Energy Studies (CAES), Auditorium, 995 University Blvd, Idaho Falls, 83402

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

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ATR NSUF User's Week 2014: User's Information Workshop

8:30 – 8:35 a.m.	Welcome and Course Introduction	<i>Rory Kennedy</i> Scientific Director, ATR NSUF
8:35 – 8:40 a.m.	Welcome by DOE-ID	<i>Ray Furstenu</i> Deputy Manager United States Department of Energy-ID
8:40 – 8:50 a.m.	Welcome by User Working Group	<i>David Senor</i> ATR NSUF User Organization, Chair
8:50 – 9:10 a.m.	Solicitation Overview	<i>Jeff Benson</i> ATR NSUF Program Administrator
9:10 – 9:30 a.m.	INL Irradiation Capability	<i>Dan Ogden</i> ATR NSUF, Program Manager
9:35 – 10:00 a.m.	INL Post Irradiation Examination (PIE) Capability	<i>Jim Cole</i> ATR NSUF, Chief Scientist
10:00 – 10:30 a.m.	Break	
10:30 – 11:00 a.m.	Ion Irradiation/Partner Overview	<i>Beata Tyburska-Puschel</i> University of Wisconsin
11:00 – 11:30 a.m.	Reactor Partner Overview	<i>Dan Ogden</i> ATR NSUF, Program Manager
11:00 – 11:30 a.m.	PIE Partner Overview	<i>Jim Cole</i> ATR NSUF, Chief Scientist
12:00 – 1:30 p.m.	Lunch (on your own)	

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Technical Sessions on ATR NSUF Research

1:30 – 2:00 p.m. DOE- NE Program Overview *Kemal Pasamehmetoglu*



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Associate Laboratory Director
Idaho National Laboratory

2:00 – 2:30 p.m.	Overview of Utah State ATR NSUF Experiment	<i>Heng Ban</i> Utah State University
2:30 – 3:00 p.m.	Irradiation Damage in Fe-Cr Model Alloys: Microstructure and Mechanical Properties	Weiyang Chen University of Illinois
3:00 – 3:30 p.m.	Break	
3:30 – 4:00 p.m.	MANTRA: A reactor Physics Experiment To Infer the Neutron Cross Section of Actinides in a Fast and Epithermal Spectra	<i>Gilles Youinou</i> Idaho National Laboratory
4:00 – 4:30 p.m.	Conducting ATR NSUF Experiments at the Advanced Photon Source: An Overview	<i>Maria Okuniewski</i> Idaho National Laboratory

Thursday, June 5, 2014

Users Week INL Site Tour

Participants will spend one day at the INL Site. Tour includes visits to the Advanced Test Reactor (ATR), Experimental Breeder Reactor 1, Hot Fuels Examination Facility (MFC), and the Electron Microscopy Laboratory (MFC).

(ATR-MFC)

6:45 a.m.	INL bus picks up participants at Center for Advanced Energy Studies Building (CAES) 995 University Blvd, Idaho Falls
7:00 – 8:15 a.m.	Depart CAES and travel to ATR
8:15 – 9:30 a.m.	Tour ATR main floor/canal (ATR)
10:00 – 11:00 a.m.	Tour at EBR-1
11:30 – 12:30 p.m.	Lunch at MFC cafeteria and L&O conference room (bring money for lunch)
12:30 – 2:30 p.m.	(MFC) Tour HFEF, EML
2:30 – 3:30 p.m.	Depart MFC travel to CAES

Thursday, June 5 – Center for Advanced Energy Studies (CAES), Atrium, 995 University Blvd, Idaho Falls, 83402

ATR NSUF User's Organization Meeting

5:00 – 6:00 p.m.	Annual Users Group Meeting	David Senor ATR NSUF User Organization, Chair
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ATR NSUF User's Meeting 2014: User's week 2014 Social/Poster Session

6:00 – 8:00 p.m.	Social/ Poster Session
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Friday, June 6, 2014

Friday, June 6 – Center for Advanced Energy Studies (CAES), Auditorium, 995 University Blvd, Idaho Falls, 83402

Technical Sessions on ATR NSUF Research

8:30 – 9:00 a.m.	Microstructure and Mechanical Characteristics of Lanthana Bering Nanostructured Ferritic Steels	<i>Indrajit Charit</i> University of Idaho
9:00 – 9:30 a.m.	The Effects of Irradiation on Inconel X-750	<i>Colin Judge</i> AECL
9:300 – 10:00 a.m.	Diffusion Kinnetics, Interface Phases, and Irradiation Effects of Diffusion Couples	<i>Lin Shao</i> Texas A&M University
10:00 – 10:30 a.m.	Break	
10:30 – 11:00 a.m.	Effect of Neutron Irradiation on Mechanical Behavior of Ultra Fine Grained Low Carbon Steel	<i>Ahmad Alsabbagh</i> North Carolina State University
11:00 – 11:30 a.m.	H ⁺ and He ²⁺ ion irradiation damage in depleted UO ₂	<i>Jian Gan</i> Idaho National Laboratory
11:30 – 12:00 p.m.	Identification of fission products in irradiated SiC using STEM and APT	<i>Isabella Van Rooyen</i> Idaho National Laboratory