

Idaho National Laboratory Advanced Test Reactor National Scientific User Facility Users Meeting 2014



Topics: Materials, Fuels, Post Irradiation Examination, and Reactor-based Technology Development

Dates: June 4-6, 2014

Where: Idaho National Laboratory
Idaho Falls, Idaho

Summary: The annual Advanced Test Reactor National Scientific User Facility (ATR NSUF) Users Meeting is intended for researchers from industry, national laboratories, and students/faculty/post-docs from universities interested in nuclear materials, fuels, post-irradiation examination, and reactor-based technology development.

At the start of the event, a half-day workshop will kick off the meeting and serve as an introduction to ATR NSUF and partner capabilities. Sessions will also be held where participants can learn about current research projects being conducted at the ATR NSUF/partner facilities and learn about the current focus of Idaho National Laboratory (INL) and U. S. Department of Energy Nuclear Fuels research, Light Water Reactor Sustainability program, and the advanced reactor materials technology program. In addition, the annual ATR NSUF Users Organization meeting will be held during this meeting. All participants are invited to attend the Users Organization meeting. If you are not a member of the Users Organization you will be invited to join the group.

Users Meeting participants will have a chance to tour the INL Advanced Test Reactor and INL post-irradiation examination facilities. Attendees will also be encouraged to present a poster at the poster session/social. This promises to be an exciting and intellectually stimulating meeting! We hope you can attend!

Events: The following courses, poster session/social and workshops will be presented at the 2014 ATR NSUF Users Meeting

June 4th (8:00 AM – 12:00 PM)

ATR NSUF Workshop

A half-day workshop designed to introduce participants to the facilities and capabilities of the ATR NSUF. Presentations will be made on the Advanced Test Reactor (ATR), partner facilities, and INL post irradiation examination facilities. Discussions will help ensure potential users understand the mechanisms for interacting and conducting research through the User Facility. Participants will also learn about ATR NSUF proposal calls and the proposal submission system.

June 4th (1:00 PM – 5:00 PM)

Sessions on ATR NSUF research, INL and DOE program overview

Sessions will include discussion on:

- ATR NSUF funded Irradiation experiment results
- Highlights of ATR NSUF funded rapid turn-around experiment results

- Overview of INL and DOE-NE fuels, LWRS, and advanced reactor technology programs

June 5th (7:00 AM – 5:00 PM)

INL Site Tour

Thursday is an optional tour of the post irradiation facilities at the INL Materials and Fuels Complex, as well as a tour of the Advanced Test Reactor.

June 5th (6:00 PM – 8:30 PM)

Users Meeting Social/Poster Session

The social and poster session affords participants an opportunity to meet and interact with the ATR NSUF, including INL principal investigators involved in current research, and the ATR NSUF Scientific Review Board. Through the poster session, participants also have a forum to present and discuss their current research.

June 6th (8-00 AM – 12:00 PM)

Sessions on ATR NSUF research INL and DOE program overview

- Highlights of ATR NSUF funded rapid turn-around experiment results

June 6th (1-00 PM – 3:00 PM)

ATR NSUF Users Organization Meeting

Users Organization meeting will be conducted and input sought from the past/current/future users of the ATR NSUF

Enrollment: The Users Meeting is open to participants from academia, industry, and national laboratories working or studying in the area of nuclear energy, including technical fields such as nuclear engineering, materials science, physics, and other related engineering and science fields. Students interested in registering should be enrolled at the upper undergraduate or graduate level. Due to security requirements associated with the optional tour, the **deadline for registration is April 11, 2014. Registration for the ATR NSUF Users Meeting is now available at:**

<https://atrnsof.inl.gov/default.aspx?enc=EQB/NH5MhCVRCRYWrMmaZ1p0QD8xEJB7N8w7oGDxPhgPGamRDGJuMH582Dt/puhknDPjeguhPPbhHfBRV/70Dw==>

Cost: There is no registration fee for the 2014 ATR NSUF Users Week. A limited amount of travel support is available to university faculty and students on a competitive basis that includes to-from travel to Idaho Falls plus hotel and meal expenses. Preference will be given to faculty and graduate students in relevant fields of research. Students applying for the travel support must be enrolled at a U.S. university. Faculty seeking travel support must also be employed by a U.S. university. **Applications for travel support will be available in January with final application due March 14, 2014.**

All other participants will be responsible for their own travel, hotel, and meals.

For questions or additional information please contact:

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Event	Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM
ATR NSUF Workshop	X					

Sessions on ATR NSUF research, INL and DOE program overview		X			X	
INL Site tour			X	X		
MeetingSocial/Poster Session				X		
ATR NSUF Users Org Meeting						X