

# Idaho National Laboratory Advanced Test Reactor National Scientific User Facility Users Week 2013



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

**Dates:** June 10-14, 2013

**Where:** Idaho National Laboratory  
Idaho Falls, Idaho

**Summary:** The 6<sup>th</sup> annual Advanced Test Reactor National Scientific User Facility (ATR NSUF) Users Week is intended for researchers from industry, national laboratories, and students/faculty/ post-docs from universities interested in 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 capabilities. Sessions will also be held where participants can learn about current research projects being conducted at the ATR NSUF 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, a special topical workshop will be held at the end of the week on advances in post-irradiation examination of nuclear fuels and materials.

Users Week 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 week! We hope you can attend!

**Events:** The following courses, forums and workshops will be presented at the 2013 ATR NSUF Users Week

June 10<sup>th</sup> (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.

June 10<sup>th</sup> (1:00 PM – 5:00 PM)

### **Sessions on ATR NSUF research, INL and DOE program overview**

June 11<sup>th</sup> (8-00 AM – 5:00 PM)

Sessions will include discussion on:

- INL Partner facilities/capabilities
- Highlights of ATR NSUF research
- Overview of INL and DOE-NE fuels, LWRS, and advance reactor technology programs

June 12<sup>th</sup> (7:00 AM – 5:00 PM)

### **INL Site Tour**

Wednesday 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 12<sup>th</sup> (6:30 PM – 8:30 PM)

**Users Week 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 13<sup>th</sup> (8:00 AM – 5:00 PM)

June 14<sup>th</sup> (8:00 AM – 11:50 AM)

**Topical Workshop: Advances in Post-Irradiation Examination of Nuclear Fuels and Materials**

A two-day workshop will be held to introduce participants to the current advances in post-irradiation examination of nuclear fuels and materials.

**Enrollment:** The 6<sup>th</sup> annual Users Week 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 19, 2013. Registration for the ATR NSUF Users Week 2013 is now available at:**

<https://secure.inl.gov/atrproposal/Common/UserHome.aspx?Display=92&cat=6&uw=8>

**Cost:** There is no registration fee for the 2013 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. 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 scholarships will be available on February 11, 2013 with final application due March 15, 2013.**

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	Monday		Tuesday		Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
ATR NSUF Workshop	X									
Sessions on ATR NSUF research, INL and DOE program overview		X	X	X						
INL Site tour					X	X				
Users Week Social/Poster Session						X				
PIE Topical Workshop							X	X	X	