

International RELAP5 Users Seminar

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June, 2016

The RELAP5 International Users Seminar will be held October 3-7, 2016.

Introduction

The RELAP5 International Users Seminar brings researchers, developers, analysts, code users and managers together annually to discuss issues, needs, developments and new directions for the nuclear industry and RELAP5-3D. It will be held in Idaho Falls, ID, USA at the Marriott Residence Inn. As with last year's meeting, there are two parts:

- Oct. 3-5: RELAP5-3D Training
- Oct. 6-7: IRUG Seminar and RAVEN training

Registration for the event can be conducted online. The URL for registration is:

RELAP5-3D Training Workshop

This year the INL plans on offering a three-day RELAP5-3D Training Workshop immediately preceding the International RELAP5 Users Group (IRUG) Seminar and Meeting (IRUG). Dates for the training class are October 3-5, 2016. The class is open to individuals from organizations that have a current RELAP5-3D license and have been approved by the INL as RELAP5-3D users for their organization. Attendees are required to furnish their own laptop with RELAP5-3D version 4.0.3 or higher installed.

Training is broken into lectures, practices and exercises. Topics include: The momentum equation, code assessment practices, research reactor applicability, acceptance criteria, fluid properties, pump model, thermal and vertical stratification models, output file interpretation, time step sensitivity, water packing, reflood, pressurizer model, enclosure model, scaling,



Important Dates

August 04 – Abstracts due
 August 12 – Registration due
 August 26 – Preliminary Agenda published

Registration Fee - Due Aug 12

\$500 - Combined Training and Users Group
 \$300 - RELAP5-3D Training
 \$300 - International RELAP5 Users Group Meeting

description of LOFT L2-5, steady-state, multi-dimensional hydrodynamics component, reactor protection and control systems, and heat structure nodalization.

Seminar and IRUG Meeting /RAVEN Training

The 2016 International RELAP5 Users Group (IRUG) Seminar and Meeting begins October 6, 2016 and concludes on October 7, 2016 with the User's Group Business Meeting. At the conclusion of the User's Group Business on Friday October 7, there will be a Training Workshop for the RAVEN code. RAVEN training is open to everyone.

RAVEN is a generic software framework designed to perform parametric and stochastic analysis based on the response of complex system codes. Its is designed to collect probabilistic risk assessment, uncertainty quantification, optimization and validation methods on the same platform, providing to the user a complete framework to fulfill analysis needs. RAVEN is currently coupled with several codes; for example, RELAP5-3D, RELAP-7, MOOSE-based applications, MELCOR, and MAAP.

IRUG SEMINAR

The 2016 International RELAP5 Users Group (IRUG) Seminar is hosted by Idaho National Laboratory in Idaho Falls, ID, USA. The Seminar begins October 6 and concludes on the morning of October 7. The Seminar provides a forum for RELAP5 users from around the world to share experiences in developing models and performing analyses using the code. Technical presentations are encouraged based on any version or application of RELAP5.

The deadline to submit your abstracts is August 4, 2016. Registration and any prepaid fees are due to INL by August 12. The Preliminary IRUG meeting and Seminar agenda will be distributed on August 26. The final agenda will be distributed at the meeting.

Activities and Attractions

There are many things to do in Idaho Falls, ID - Golf, Fishing, Theatres, Boating, Recreation and more. The Marriott Residence Inn is a short walk to downtown Idaho Falls restaurants and shopping.

Museum of Idaho

(in Idaho Falls)

200 North Eastern Avenue, Idaho Falls, ID 83402

This is the state museum. It features many thorough, educational and interesting exhibits. <http://www.museumofidaho.org/>



October hours:

Monday – Tuesday 9AM–8 PM

Wednesday – Saturday 9AM – 5 PM

Idaho Falls Waterfall and Greenbelt (in Idaho Falls)

Wide waterfall and extensive walking trail around the green belt, Snake River and falls.



Tautphaus Park Zoo (in Idaho Falls) Open through Oct. 9, 2016

Lions and tigers and bears, oh my! A very well kept zoo that especially caters to youngsters. Penguin feedings, animal encounters, children’s zoo, ed-zoo-cational classes.

<http://www.idahofallsidaho.gov/city/city-departments/parks-recreation/parks-recreation-zoo.html>



Yellowstone Bear World (Near Idaho Falls) Open through Oct. 16, 2016

6010 South 4300 West, Rexburg, ID 83440

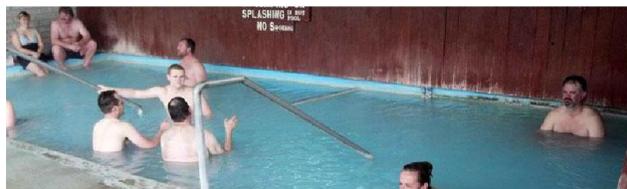
Can’t travel to Yellowstone National Park to see the wildlife? Yellowstone Bear World is 25 miles north of Idaho Falls on Highway 20. <http://www.yellowstonebearworld.com/>



Heise Hot Springs (45 minute drive from Idaho Falls)

A commercially developed natural mineral hot spring kept at 104°F (40°C) for sitting, relaxing, soaking sore muscles and joints. There is also a fresh water warm pool kept at 92°F (36°C).

October hours: **Monday - Friday 2 PM – 10 PM, Saturday & Sunday 10 AM – 10 PM**



<http://www.heisehotsprings.net/#1>

Craters of the Moon National Monument (1.5 hour drive from Idaho Falls)

See volcanos/mudpots, explore lava caves/tunnels, see desert plants, take a ranger led tour.

Off-Season Hours (after Labor Day): 8 a.m. to 4:30 p.m. daily (closed on federal holidays in winter).

<http://www.nps.gov/crmo/index.htm>

**Idaho Falls Golf Courses**

- Pinecrest
- Sand Creek
- Sage Lakes

Idaho Falls Aquatic Center

- Monday – Friday
- Monday – Saturday
- Saturday – Sunday

Public Swimming Hours

- 1PM – 3:30 PM
- 6 PM – 8 PM
- 1 PM – 4 PM