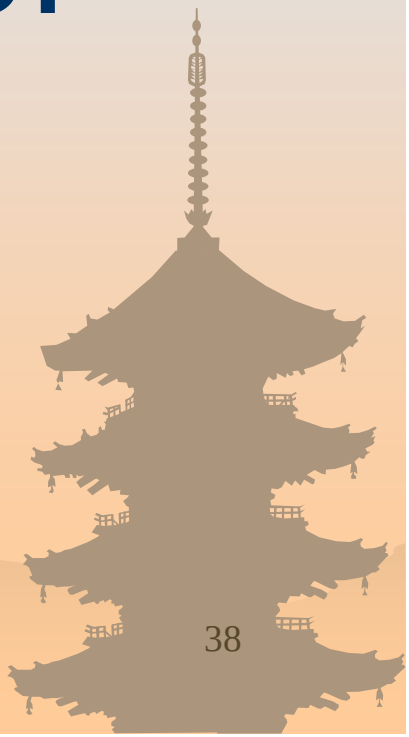
Announcement of PHYSOR2016



FIRST ANNOUNCEMENT

Physor 2016: Unifying Theory and Experiments in the 21st Century

Location: Sun Valley Resort
Sun Valley,
Idaho, USA

Date: May 1-5, 2016

ORGANIZING COMMITTEE CHAIRS

Honorary Chairs	*James Lake and Harold McFarlane, Past ANS Presidents*
General Chair	*Finis Southworth, AREVA*
Assistant General Chairs	*Danielle Perez, INL/IANS Katelyn Wachs, INL/IANS*
Technical Program Chairs	*Mark DeHart, INL/IANS Todd Palmer, OSU Kent Welter, NuScale Power*
Financial Chair	*Robert Skinner, IANS*
Spouse Activity Chairs	*Cindie Jensen, INL Gülru Yavuz-Sen*
Student Arrangement Chair	*Massimiliano Fratoni, UCB*
Webmaster	*Desiree Reagan, INL*

TPC TRACK LEADERS

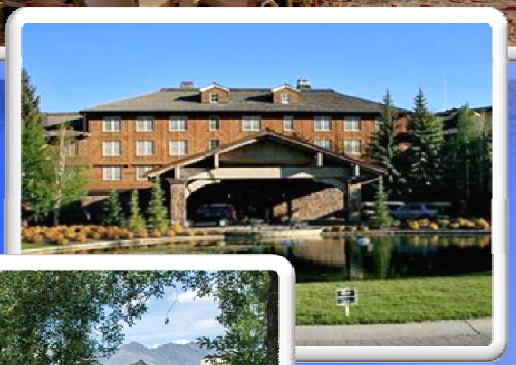
Akio Yamamoto, Nagoya Univ., Japan	Thomas Sutton, KAPL
Won Sik Yang, Purdue University	Temitope Taiwo, ANL
Sean Morrell, INL	Wei Ji, RPI
Sedat Goluoglu, UF	Sonat Sen, INL
Katherin Goluoglu, UF	Akira Tokuhiro, UIdaho
Tom Downar, UM	Mike Ferrer, Studsvik
John Bess, INL	Atul Karve, GNF
Ayman Hawari, NCSU	Chang Ho Lee, ANL
Jaakko Leppänen, VTT Finland	Hatice Akkurt, EPRI
Scott Palmtag, Core Physics, Inc	Keith Bradley, ANL
Ben Forget, MIT	Bill Martin, UM
Cassiano de Oliveira, UNM	Ian Gauld, ORNL
Javier Ortensi, INL	Deokjung Lee, UNIST, Korea
Arzu Alpan, Westinghouse	Dale Lancaster, NuclearConsultants.com
Gilles Youinou, INL	Geoff Parks, Univ. of Cambridge
Luiz Leal, ORNL	Cristian Rabiti, INL

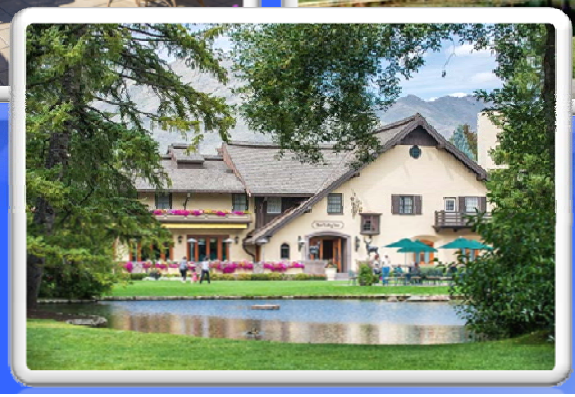
CONFERENCE SCHEDULE

Sunday May 1	Monday May 2	Tuesday May 3	Wednesday May 4	Thursday May 5
	Speakers' Breakfast	Speakers' Breakfast	Speakers' Breakfast	
Idaho Accelerator Center Technical Tour (Pocatello) -or- Workshops (Sun Valley)	Plenary	Morning Parallel Sessions	Morning Parallel Sessions	Plenary/ Parallel Sessions
	Luncheon	Luncheon	Luncheon	INL Tour (from/to Sun Valley)
Workshops	Afternoon Parallel Sessions	Afternoon Parallel Sessions	Afternoon Parallel Sessions	Sun Valley Gun Club range shooting (beginners welcomed)
Welcome Reception	Poster Session Exhibit Event	Banquet	Open (hosted event or evening in town)	

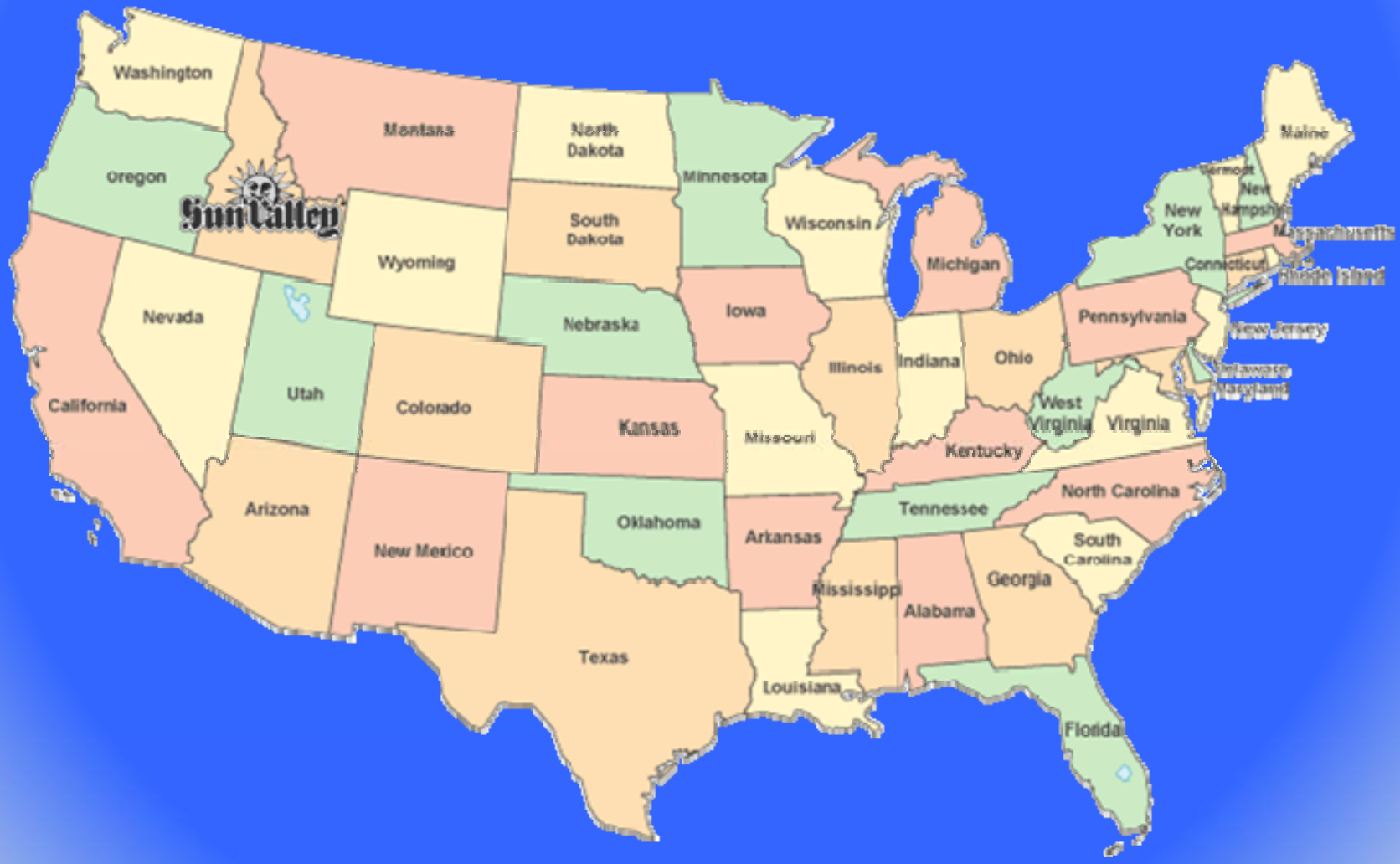
THE LOCATION:
SUN VALLEY RESORT

- 510 Guest Rooms
- Extensive Renovation/additions to be completed by June 2015
- 100% Non-Smoking
- Spa, salon and fitness facility
- Enclosed, Heated Outdoor Pool
- Shopping, On-site and Nearby
- Bowling Alley
- Game Room
- Free Parking
- Ice Rink
- Golf Courses
- Skeet Shooting
- Hiking, Biking, Horseback Riding
- Beautiful Sun Valley Outdoors

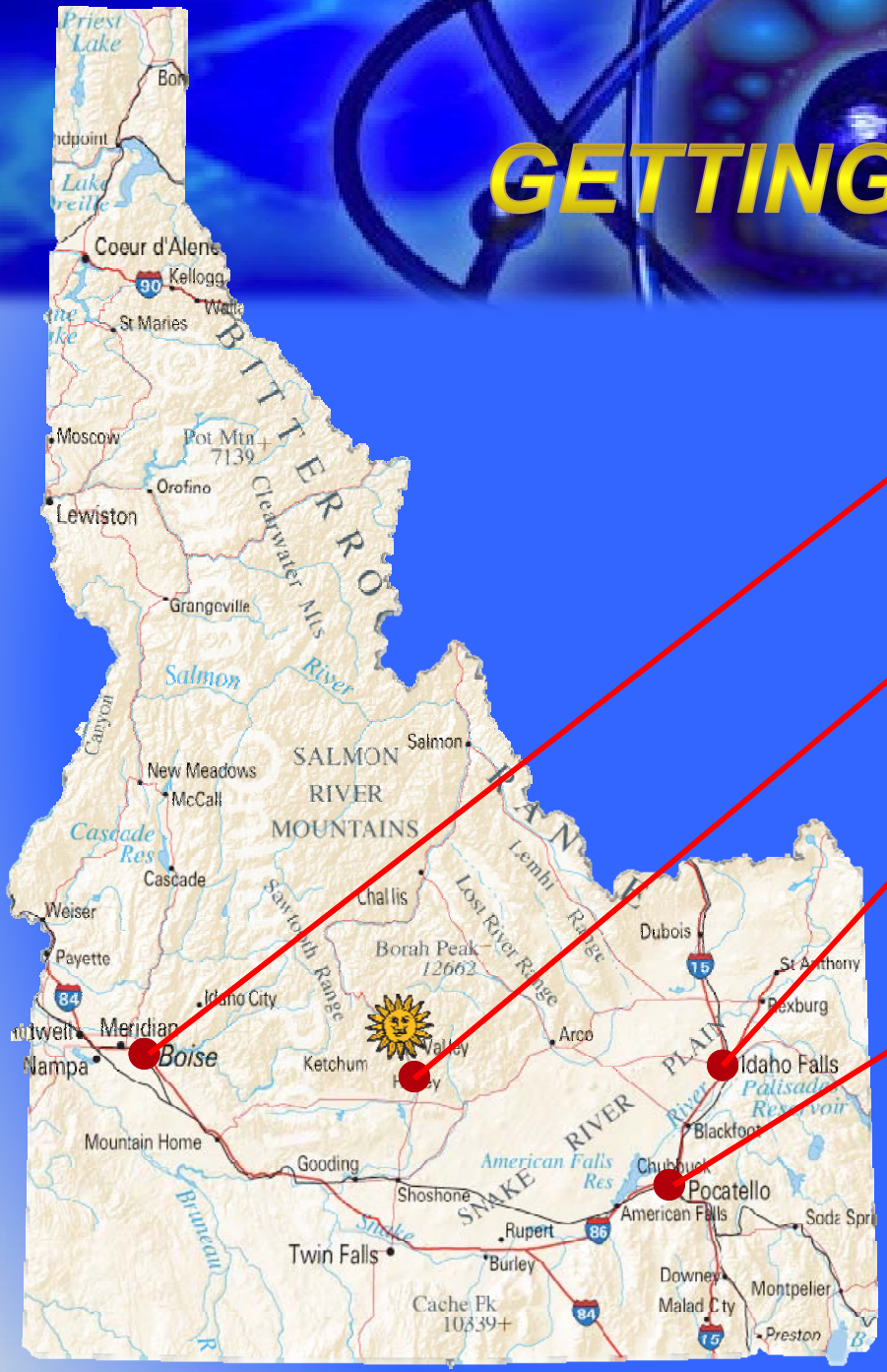




WHERE IS SUN VALLEY?



GETTING TO SUN VALLEY



Fly to Boise, drive to Sun Valley (256 km, ~2.6 hr drive)

Fly to Hailey, drive or ride hotel bus to Sun Valley (~23 km, 25 min. bus ride)

Fly to Idaho Falls, drive to Sun Valley (243 km, ~2.5 hr drive)

Fly to Pocatello, drive to Sun Valley (266 km, ~2.7 hr drive)

EVENTS

Special Events

- Sunday Night Welcome Reception
- Tuesday Night Banquet
- Three Conference Luncheons
- Poster Session

Guest Events

- Ceramics Painting
- Shopping Tour
- Chef Cooking Demonstration

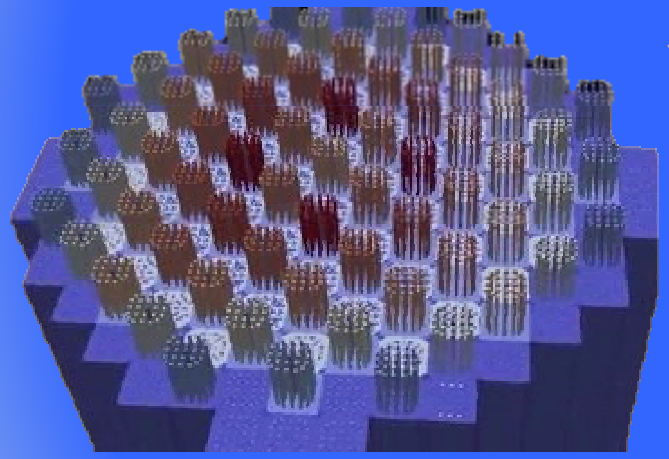
PROJECTED MEETING COSTS

Professional Registration Fee (Member)	*$750*
Professional Registration Fee (Non-Member)	*$850*
Single Day Registration	*$300/$400*
Student Registration (Waivers available)	*$500*
*Hotel**	*~ $93/night*
Sun Valley Resort will make **all rooms available at the 2016 US Per Diem rate.*	

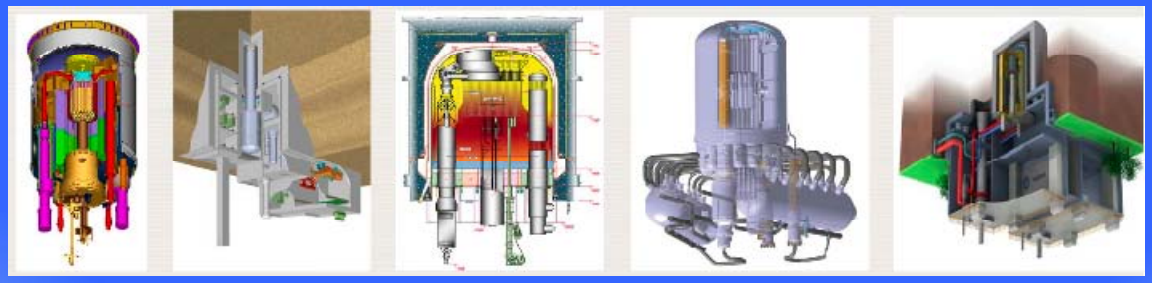
TECHNICAL TOPIC AREAS

Modeling & Simulation

Experiments



Reactor Physics



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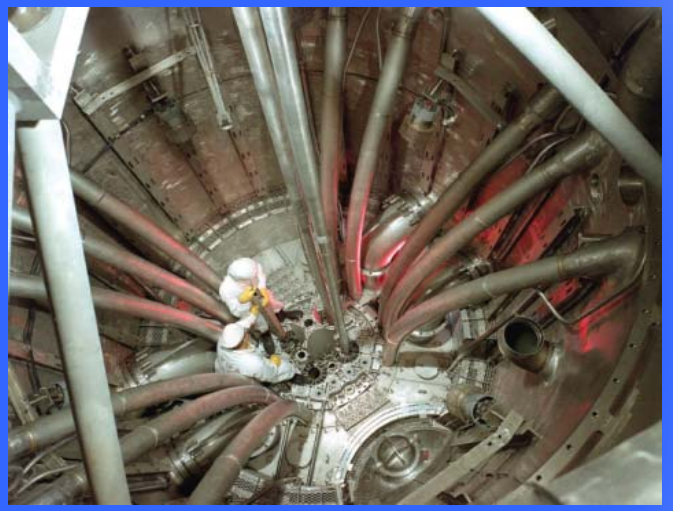
EXPERIMENTATION & MEASUREMENTS

- *Spent Fuel Measurements*
- *Reactor Physics Experiments and Benchmarks*
- *Reduced Enrichment for Research and Test Reactors*
- *Nuclear Fuel Testing*
- *Research Reactor Applications*
- *Critical and Subcritical Facilities and Measurements*
- *Verification and Validation of Reactor Analysis Methods*
- *Validation of Used Fuel Depletion Calculations*
- *Transient Reactor Testing*



INL Advanced Test Reactor (ATR)

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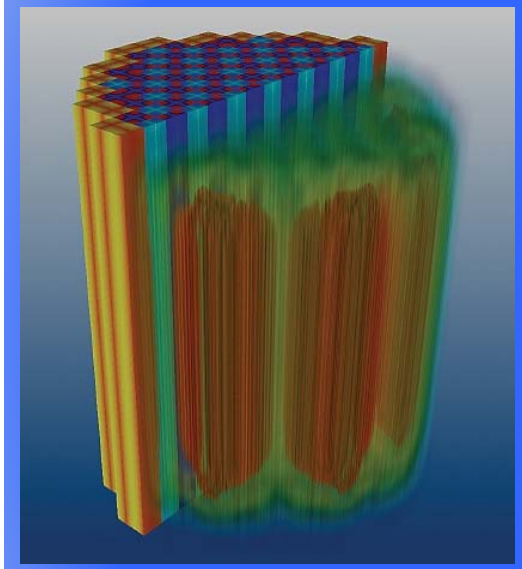
MODELING & SIMULATION



- *Advanced Multidimensional Deterministic Reactor Kinetics Methods*
- *Coupled Deterministic/Monte Carlo Hybrid Methods*
- *Depletion Methods for Reactor Analysis*
- *Deterministic Transport Methods*
- *High Performance Computing in Reactor Physics*
- *Monte Carlo Methods for Reactor Analysis*
- *Multi-Physics Reactor Simulations*
- *Nodal Core Analysis Methods*
- *Non-Linear Acceleration of Monte Carlo Calculations*
- *Reactor Analysis Methods*
- *Reduced Enrichment for Research and Test Reactors*
- *Research Reactor Applications – Analysis and V&V*
- *Sensitivity/Uncertainty Analysis*
- *Transuranic Disposition*

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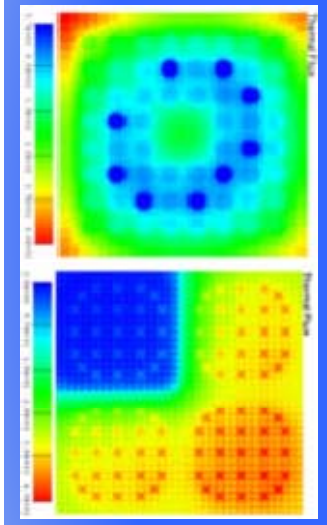
GENERAL REACTOR PHYSICS



- *Advanced Reactor Designs*
- *Accident Tolerant Fuels*
- *Cross Section Data, Evaluations & Libraries*
- *Burn-up Credit*
- *Fuel Cycle Physics*
- *Fuel Management & Optimization*
- *Light Water Reactor Sustainability*
- *Small Modular Reactors*
- *Lattice Physics Methods & Validation*
- *Mixed Oxide Fuel Analysis*
- *Reactor Operation and Control*
- *Reactor Physics Education and Infrastructure*
- *Reactor Physics Standards (ANS/ASME)*
- *Space Nuclear Systems and Technology*
- *Student Research in Reactor Physics*
- *Transmutation & Waste Minimization*

PHYSOR 2016

CONFIRMED WORKSHOPS

Topic	Presenters
DRAGON Code	École Polytechnique de Montréal
MAMMOTH Reactor Physics	INL
Serpent Multi-Physics	VTT Finland
The OpenMC Monte Carlo Code	MIT

TECHNICAL TOURS

- *INL – Thursday afternoon*
  - *EBR-1, Advanced Test Reactor, Materials & Fuels Complex*
- *Idaho Accelerator Center – Sunday morning*
  - *Idaho State University, Pocatello, Idaho*
  - *10 Operating Accelerators*

Thank you for your attention.
We hope to see you
in Sun Valley in 2016.