



PHYSOR 2000

May 7-11, 2000

2000 ANS International Topical Meeting on Advances in
Reactor Physics and Mathematics and Computation
into the Next Millennium

Westin William Penn Hotel, Pittsburgh, Pennsylvania, USA

<http://ans-pgh.commerce.wec.com/rp2000.htm>

Visit our web site above for additional information, or e-mail us at rp2000@cnfd.pgh.wec.com

Newsletter

Join us in Pittsburgh, the former Steel City, now known as a center for high technology and medical research. Spectacularly situated at the confluence of three rivers, the city offers dramatic topography, cultural amenities, and convenient shopping.

Please make your travel and hotel reservations early. Space at the conference hotel is limited. A link to the conference hotel web site and to a hostel suitable for students and other interested individuals is available from the above site.

Spouse/Guest Program:

A spouse/guest hospitality suite will be open Monday-Thursday mornings from 8:00-9:00 AM, and will offer continental breakfast for spouses/guests who have registered at the meeting. Information about sightseeing possibilities will also be available at the suite during the breakfast hour.

Exhibits

One of the highlights of the meeting will be a combined poster session, exhibit and mixer in a large ballroom on Wednesday May 10, 2000. If your institute or company would consider participating in the exhibit, please contact

Baard Johansen <Johansbj@westinghouse.com>, or

Phillipe Bellanger <bellanpm@westinghouse.com>.

We will be happy to provide a table for literature, or a space to exhibit your products and services. We have not set a price for exhibit space, and all we ask is that the participant financially co-sponsor one of our functions. All sponsors will be appropriately acknowledged.

Students and Recruiting

A table and space will be set up for recruiting new employees. Let us know if your location would consider participating. We are planning to do our best to attract participation of students to our meeting and we will be seeking financial support and co-sponsorship of this function. Please help us in this area if you can and encourage students and others to attend the meeting

Workshops:

Four workshops are being planned. These workshops cover new features and capabilities of **key deterministic transport and Monte Carlo computer programs**. The instructors are experienced world class scientists and engineers at the Oak Ridge National Laboratory, Los Alamos National Laboratory, and Penn State University. Each workshop will include live demonstrations and hands-on experience. A minimum number of early registrations is required, so please indicate your interest right away. Should the minimum early registrations for one of the workshops not be met, that workshop will be cancelled and full refunds will be provided along with notification to you well in advance of the meeting dates. Because of the popularity of the subjects and the widespread use of the programs to be featured, we are confident that all workshops will be held as planned. The accompanying meeting

flyer can be used for workshop registrations. Registrations require payment by check or credit card (only Visa and Master Card accepted), and for security reasons, registrations can be made only through regular mail, or by fax. **You or your colleagues can register for one or more of the workshops with or without registering for the PHYSOR 2000 meeting**, though we prefer that you do both.

All the workshops will be held at the **Westin William Penn Hotel, Pittsburgh, Pennsylvania, USA**. Please ask at the hotel front desk for the exact room assignment. For additional information on the workshops, please visit our web site above or visit the workshop web sites listed below. The topics of the four workshops are given below.

Workshop 1: What's New With DOORS (by ORNL Staff)

Date: Sunday May 7, 2000

Workshop Registration: 12:30 PM - 1:00 PM

Workshop: 1:00 PM - 5:00 PM

Workshop web site: http://nas.cped.ornl.gov/doors_ws00.html

Questions should be directed to Dr. Yousry Azmy (yva@ornl.gov).

Workshop 1 Preliminary Program: (i) Introduction and Overview, (ii) DOORS Graphical User Interface (GUI), (iii) Cross-Section Processing GUI, (iv) Parallel Processing With TORT, (v) 3D First Collision Source Code (GRTUNCL3D), (vi) Geometry Visualizer for TORT, and (vii) ANISN/ DORT/ TORT coupling to MCNP.

Workshop 2: New Capabilities in MCNP4C (by LANL Staff)

Date: Thursday May 11, 2000

Workshop Registration: 1:00 PM - 1:30 PM

Workshop: 1:30 PM - 5:30 PM

Workshop web site: <http://www-xdiv.lanl.gov/XCI/PROJECTS/MCNP>

Questions should be directed to Dr. John S. Hendricks (mcnp@lanl.gov).

Workshop 2 Preliminary Program: (i) MCNP4C Overview of New Features, (ii) Geometry: Macro bodies, (iii) Sources: Alpha Eigenvalue, (iv) Tallies: Enhanced Perturbations, and (v) Variance Reduction: Superimposed Importance Meshes.

Workshop 3: PENTRAN 3-D Parallel Sn Code System (Penn State University)

Date: Friday May 12, 2000

Workshop Registration: 7:30 AM - 8:00 AM

Workshop: 8:00 AM - 12:00 Noon

Workshop web site: <http://www.hsact.com/physor02.htm>

Questions should be directed to Prof. Ali Haghghat (haghghat@psu.edu).

Workshop 3 Preliminary Program: (i) Introduction, (ii) Sn Major Issues, (iii) Introduction to Pentran Code, (iv) Pentran Code System, and (v) Pentran Computer Exercises.

Workshop 4: Automated Variance Reduction with A³MCNP for Shielding Problems (PSU)

Date: Friday May 12, 2000

Workshop Registration: 12:30 PM - 1:00 PM

Workshop: 1:00 PM - 5:00 PM

Workshop web site: <http://www.hsact.com/physor02.htm>

Questions should be directed to Prof. Ali Haghghat (haghghat@psu.edu).

Workshop 4 Preliminary Program: (i) Introduction to the Monte Carlo Method, (ii) Major Issues and Importance of Variance Reduction, (iii) CADIS Methodology, (iv) A³MCNP, (v) Benchmarking of A³MCNP and (vi) A³MCNP Computer Exercises.