"The bigger a man's head gets, the easier it is to fill his shoes." -- Henry A. Courtney

Kal Shure is in Failing Health

RSICC has been informed that Kal Shure, a pioneer in the shielding community at large, and previously a very active member of the radiation protection and shielding division (and a supporter of RSICC), is currently in failing health. He is now 78 years old. If you know Kal in person or by reputation, please send him and his wife Mina a card with best wishes. Kal is in a nursing home, but cards can be sent to him in care of his wife to: Kal and Mina Shure, 5903 Fifth Ave., Apt. B204, Pittsburgh, PA 15232.

Obituary

Hugh C. Paxton passed away in Albuquerque on December 25, 2003. He was 94. Hugh enjoyed a life filled with many diverse experiences. His interests ranged from his work with colleagues in the field of nuclear physics to bird watching excursions with friends, observing wildlife, writing, photography, and treasured reunions with his brothers and sister and their extended families. Growing up in California, Hugh was awarded an A.B. degree from UCLA in 1930 and in 1937 earned his doctorate at UC Berkeley under Professor E.O. Lawrence. He married his sweetheart, Jean Nellis Thomson, soon after. Hugh's early work in nuclear physics included cyclotron technology at the College of France in Paris and Columbia University. Following were jobs involving wartime support in New York, Oak Ridge and Philadelphia. In 1948 he accepted a position as leader of the critical assemblies group at Los Alamos Scientific Laboratory where he worked until his retirement in 1976. His responsibilities involved development of peaceful uses of nuclear energy and nuclear reactor safety standards. Hugh is survived by his wife of 66 years, Jean; son Alan and wife Merideth; daughter, Susan and husband Joseph Gomez; granddaughter Jennifer and husband Gustav Verhulsdonck; granddaughter
Carrie. Memorial contributions may be made to the Academic Scholarship Program; American Nuclear Society; 555 North Kensington Ave.; LeGrange Park, IL 60526. (Taken from the December 28, 2003, Albuquerque Journal.)

Changes to the Computer Code and Data Collection

There were no changes to the computer code and data collection this month.

Monthly Code Focus

As years have gone by many different codes and applications have been sent to RSICC for stewardship. We currently have over 1700 analytical code and data packages and distribute as many each year to 73 countries in the world. To help 'categorize' each package, we have developed a database of 'Subject Categories' to attach applications to the packages at RSICC. Doing so requires investigation into each code package, user feedback from end use statements, and extensive RSICC staff experience and analysis so that we can deliver useful information each month on the 30 different categories we have identified thus far. Links to the package abstracts are embedded into the WWW version of the RSICC Newsletter. Feedback from our Newsletter community is very valuable so please direct your comments and/or suggestions to PDC@ORNL.GOV. February's code focus is Human Factors Engineering.

HSI-DRG

CONFERENCES, COURSES, SYMPOSIA

RSICC attempts to keep its users/contributors advised of conferences, courses, and symposia in the field of radiation protection, transport, and shielding through this section of the newsletter. Should you be involved in the planning/organization of such events, feel free to send your announcements and calls for papers via email to FINCHSY@ornl.gov with “conferences” in the subject line by the 20th of each month. Please include the announcement in its native format as an attachment to the message. If the meeting is on a website, please include the url.

Every attempt is made to ensure that the links provided in the Conference and Calendar sections of this newsletter are correct and live. However, the very nature of the web creates the possibility that the links may become unavailable. In that case, please call or mail the contact provided. Below is a condensed list of the conferences only listed chronologically. More details (if available) are listed alphabetically following the table.
<table>
<thead>
<tr>
<th>Name of Conference</th>
<th>Date and Location</th>
<th>Web Site</th>
<th>Abstract/Paper Due Date</th>
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<tr>
<td>Current Topics in Monte Carlo Treatment Planning</td>
<td>May 3-5, 2004 Montreal, Canada</td>
<td><a href="http://mctp.medphys.mcgill.ca">http://mctp.medphys.mcgill.ca</a></td>
<td>passed</td>
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<tr>
<td>ANS Annual Summer Meeting</td>
<td>June 13-17, 2004 Pittsburgh, Pennsylvania</td>
<td>[<a href="http://www.ans.org/meetings/students">http://www.ans.org/meetings/students</a> call for papers](<a href="http://www.ans.org/meetings/students">http://www.ans.org/meetings/students</a> call for papers)</td>
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<tr>
<td>11th International Congress on Neutron Capture Therapy (ISNCT-11)</td>
<td>Oct. 11-15, 2004 Boston, Massachusetts</td>
<td>future site</td>
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</tr>
<tr>
<td>ANS Annual Summer Meeting</td>
<td>June 5-9, 2005 San Diego, California</td>
<td><a href="http://www.ans.org/meetings/">http://www.ans.org/meetings/</a></td>
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### 2004 Conferences

#### Current Topics in Monte Carlo Treatment Planning

This workshop will be held at McGill University, Montreal, Canada, from **May 3-5, 2004**, and aims to bring together medical physicists and researchers to discuss development, clinical implementation and clinical evaluation of Monte Carlo treatment planning techniques in radiotherapy. The meeting will have both invited speakers and proffered contributions and is designed to have plenty of opportunity for informal and in-depth discussions.

For details regarding registration, program, invited speakers, abstract submission, etc, please consult the workshop website: [http://mctp.medphys.mcgill.ca](http://mctp.medphys.mcgill.ca). Early registration is encouraged as the number of participants will be limited to around 100.
1st International Symposium on Radionuclide Therapy and Radiopharmaceutical Dosimetry

The 1st International Symposium on Radionuclide Therapy and Radiopharmaceutical Dosimetry will take place in conjunction with the annual European Association of Nuclear Medicine (EANM) congress in Helsinki, Finland, **September 4-8, 2004**.

The format of the meeting has evolved from a series of seven interesting and important radiopharmaceutical and dosimetry symposia held approximately every 5 years since 1970, with distribution of published proceedings. The last meeting ("7th International Radiopharmaceutical Dosimetry Symposium") was held in Nashville, Tennessee in 2002.

The decisions of the scientific committee and the set-up of the program for Helsinki will be coordinated by the EANM Task Group on Dosimetry and EANM Therapy Committee. All organisational matters will be handled by the EANM.

A call for abstracts (also electronic) will go out in a few months, with authors notified of outcome in approximately May 2004. Contributors will be asked either to bring an electronic version of their manuscript to the meeting in September 2004 or to submit it within two months after the meeting; early plans are to have extended peer-reviewed abstracts published as a supplement to a journal.

Michael Lassmann  
Chair T/G Dosimetry EANM  
Lassmann@nuklearmedizin.uni-wuerzburg.de

Val Lewington  
Chair Therapy Committee EANM  
vjlewington@hotmail.com


5th International Conference on Nuclear Option in Countries with Small and Medium Electricity Grids

The 5th International Conference on Nuclear Option in Countries with Small and Medium Electricity Grids will be held in Dubrovnik, Croatia, **May 16-20, 2004**.

In view of the good response and success of the previous Dubrovnik conferences devoted to the needs and interests of countries with small or medium nuclear systems and electricity grids, the Dubrovnik 2004 conference will serve the same general purpose, with concentration on the topics which invited most interest in the previous conference. The Conference will consider the nuclear option from the point of view of resources, costs, technological, organizational and educational requirements, and environmental advantages. It will also focus on matters related to operational safety, fuel cycle, waste management and decommissioning.

The important goal of the Dubrovnik 2004 conference is to serve as a forum to promote regional co-operation and exchange of experience in the use of nuclear power and fuel cycle facilities among the small or medium European countries interested in the nuclear option.

For updated information please visit the Conference website **http://hnd.zvne.fer.hr/Dubrovnik2004**, or contact the Conference secretariat at **hnd2004@fer.hr**.
5th International Conference of Yugoslav Nuclear Society (YUNS) - 2004


12th International Conference on the Physics of Highly Charged Ions

HCI-2004 will be the 12th conference in an international series taking place every two years around the world. This years will be in Vilnius, Lithuania, September 6-10, 2004. Born in Stockholm in 1982, HCI became a major forum for the presentation and discussion of important new research results in the physics of the Highly Charged Ions. The conference will continue to emphasize basic, fundamental science at the atomic and molecular level, and its applications to important technology challenges. The opportunity will be given to provide insights in other disciplines where HCI-physics have strong impact like Nuclear Physics, Material Science, Radiation Chemistry, Radiobiology, etc.

Some important dates are: Second Announcement and call for papers January 2004; deadline for abstracts April 15, 2004; deadline for grant applications April 15, 2004; student housing reservation May 15, 2004; early registration deadline May 15, 2004. For more information, please email hci2004@itpa.lt or see the website: http://www.itpa.lt/hci2004/.

16th American Nuclear Society Topical Meeting on the Technology of Fusion Energy

The ANS Topical Meeting on the Technology of Fusion Energy will be held September 14-16, 2004, in Madison, Wisconsin. You are cordially invited to submit one-page abstract(s) describing work that is new, significant, and relevant to both magnetic and inertial fusion technologies. A Microsoft Word template that can be used to create the abstract is available on the TOFE website: http://fti.neep.wisc.edu/tofe.

The 16th Topical Meeting on the Technology of Fusion Energy (TOFE) will continue the tradition of stand-alone topical meetings originated in the early 1970’s, continued through the 80’s, and re-established in the year 2000 in Park City, Utah. The scope of the TOFE meeting is to provide a forum for sharing the exciting new progress that has been made in fusion research as well as presenting the future of the national and worldwide fusion program.

The two and a half day program of the 16th TOFE meeting will have plenary, oral, and poster sessions, including a mix of invited oral papers and a significant number of contributed oral and poster papers. Key deadlines follow: one-page abstracts (May 1, 2004); nominations for ANS-FED awards (May 31, 2004); notification to authors (June 1, 2004); early registration deadline (August 10, 2004); hotel reservation cutoff date (August 10, 2004); full papers due at the meeting (September 14, 2004).

21st Zurich Short Courses on Modeling and Computation of Multiphase Flows

Multiphase flows and heat transfer with phase change are of interest to researchers and engineers working in power, nuclear, chemical-process, oil-and-gas, cryogenic, space, micro-technology, and other industries. Courses similar to this one have been offered in the past at
Stanford University, at the University of California-Santa Barbara and for 20 years now at ETH-Zurich; over 1200 participants attended the Zurich courses. These courses will be offered March 22-26, 2004, and hosted by the Swiss Federal Institute of Technology (ETH) in Zurich. You will find detailed information about the course, as well as a registration form, at http://www.lkt.mavt.ethz.ch/courses/multiphase/Short-Course.html.

Training Course on Decontamination and Decommissioning

Argonne National Laboratory (ANL) is offering this training course March 8-12, 2004, in Las Vegas, Nevada. The purpose of the course is to provide information on the basic steps in the decommissioning process and also to impart lessons learned from past experience in decommissioning. Elements learned at this training course will assist in decision-making, planning, and implementation associated with decommissioning. Moreover, a major objective of this training course is to demonstrate the need for early and complete project planning to achieve safe and cost-effective decommissioning. A registration fee of $1095.00 is required. A course description and registration form are available at http://www.td.anl.gov/D&D. Applicants are encouraged to register electronically. Early registration is highly recommended due to the limited class size.

International Conference on Nuclear Data for Science and Technology "ND2004"

The International Conference on Nuclear Data for Science and Technology will be held September 26-October 1, 2004, in Santa Fe, New Mexico. This is an OECD-Nuclear Energy Agency Conference, which is held approximately every 3 years. Recent conferences in this series were in Antwerp (1982), Santa Fe (1985), Mito (1988), Jülich (1991), Gatlinburg (1994), Trieste (1997) and Tsukuba (2001). This International Conference focuses on nuclear data, their production, dissemination, testing and application. The data are produced through both experiment and theoretical models; they are compiled and evaluated to form data libraries for use in applications; and they are tested through benchmark experiments and a very wide range of applications. This Conference includes all of these activities with the goal of improving nuclear data for applications including fission and fusion energy, accelerator driven systems, accelerator technology, spallation neutron sources, nuclear medicine, environment, space, non-proliferation, nuclear safety, astrophysics and cosmology, and basic research. Please see the web site for more information: http://t16web.lanl.gov/nd2004/.

International Conference on Radiation Shielding (ICRS-10) and Topical Meeting on Radiation Protection & Shielding (RPS 2004)

The Tenth International Conference on Radiation Shielding (ICRS-10) and the Thirteenth Topical Meeting of the Radiation Protection and Shielding Division of the American Nuclear Society (RPS 2004) will be held May 9-14, 2004, in Funchal, Madeira Island (Portugal).

The local organization has been assigned to ITN (the Nuclear and Technological Institute, in Lisbon), a laboratory of the Portuguese Ministry of Science and Higher Education. At the international level, the joint organization is co-sponsored by the Nuclear Energy Agency (NEA) of the Organization for Economic Co-operation and Development (OECD), the Radiation Protection and Shielding Division (RPSD) of the American Nuclear Society (ANS), and the Radiation Safety Information Computational Center (RSICC, Oak Ridge National Laboratory).
It is anticipated that this will be the most important event in the areas of Radiation Shielding and Radiation Protection during 2004. For further information please refer to the Conference website at the following URL http://www.itn.mces.pt/ICRS-RPS. Please don't hesitate to contact the Conference Secretariat at icrs-rps@itn.mces.pt.

In addition, if you would be interested in serving on the Scientific Program Committee, and contribute to the success of the meeting by either submitting or encouraging colleagues to submit papers, and participating in the technical review process, please contact the Conference Secretariat at the above email and provide your name, organization, email and topics of interest or expertise. The Organizing Committee welcomes your comments and suggestions to make your meeting a success.

**ICCR 2004**

The ICCR 2004 meeting will be held **May 10-13, 2004**, in Seoul, Korea. Your active participation and contribution will make this conference successful. Additional information is available from the ICCR 2004 conference secretariat at Hanjin Travel Service Co., Ltd. (tel +82-2-726-5554, fax +82-2-778-2514, email jssong@hanjinpco.com, url http://www.iccr.info).

**MCNP Courses**

Registration: [http://www-xdiv.lanl.gov/x5/MCNP/registration.html](http://www-xdiv.lanl.gov/x5/MCNP/registration.html)


LANL contact: selcow@lanl.gov

European contact: sartori@nea.fr

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<td>Apr. 19-23</td>
<td>Intermediate/Advanced</td>
<td>Tokyo, Japan</td>
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<tr>
<td>June TBA</td>
<td>Introductory</td>
<td>Los Alamos, NM</td>
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Introductory classes are for people who have little or no experience with MCNP. This class surveys the features of MCNP so the beginning user will be introduced to the capabilities of the program, and will have hands-on experience at running the code to solve simple problems. Course topics include Basic Geometry, Source Definitions, Output (Tallies) Specification and Interpretation, Advanced Geometry (repeated structures specification), Variance Reduction Techniques, Statistical Analysis, Criticality, Plotting of Geometry, Tallies, and Particle Tracks, and Neutron/Photon/Electron Physics.

The intermediate to advanced class will be held for people who have used MCNP and want to extend their knowledge and understanding of the code system.

The class will be based on MCNP5 and will cover the new capabilities of version 5. Attendees may elect to receive the new package. If you have previously received an older registered version of MCNP from RSICC, you may request that the MCNP5 package be sent to you at no charge. If you have not received an older version of MCNP from RSICC, you will be charged the applicable transmittal fee.

The other capabilities of MCNP will also be covered, including basic and advanced geometry, source definitions, tallies, data, variance reduction, statistical analysis, criticality, plotting of geometry,
and particle tracks, neutron/photon/electron physics.

All classes provide interactive computer instruction. Time will be available to discuss individual questions and problems with MCNP experts or to pursue in more detail topics mentioned in the talks. Please note that other classes are offered based on MCNP. The classes mentioned here are the only ones that are taught by the people who develop and write MCNP.

**MCNP Visual Editor Classes**

The Visual Editor is a powerful visualization tool that can be used to rapidly create complex Monte Carlo N Particle (MCNP5) geometry models, including lattices, universes, fills, and other geometrical transformations. The Visual Editor can:
- Display MCNP5 geometries in multiple plot windows,
- Create surfaces and cells to build a geometry,
- Create materials using the local xsdir file,
- Store commonly used materials in a material library,
- Sub-divide large cells into smaller cells,
- Create cells containing universes and lattices,
- Interactively set cell importances from the plot window, and
- Display source points and collision points in the plot window.

Training class is scheduled **March 15-19, 2004**, in Richland, Washington. The class will focus on the use of the visual editor, with an overview of MCNP. The fifth day is optional and will focus on using the Visual Editor and MCNP to do some example problems.

The class combines teaching on MCNP physics, along with instructions on how to use the Visual Editor. Computer demonstrations and exercises will focus on creating and interrogating input files with the Visual Editor. Demonstrations of advanced visualization work using MCNP will also be made. The class will be taught on Pentium computers running Windows 2000. Attendees are encouraged to bring their own input files for viewing and modifying in the visual editor. For a more detailed description of this course, [click here](http://www.mcnpvised.com/train.html). Further information on this class can be located at: [http://www.mcnpvised.com/train.html](http://www.mcnpvised.com/train.html), or by contacting Randy Schwarz (email randyschwarz@mcnpvised.com).

**MCNPX Workshops**

Lead Teachers: Drs. John Hendricks, Gregg McKinney, Laurie Waters
Organizer: HQC Professional Services
Contact: [bill@solutionsbyhqc.com](mailto:bill@solutionsbyhqc.com)
MCNPX homepage: [http://mcnpx.lanl.gov](http://mcnpx.lanl.gov)

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<th>Date</th>
<th>Level</th>
<th>Location</th>
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<tr>
<td>March 8-12</td>
<td>Intermediate</td>
<td>Santa Fe, NM</td>
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<tr>
<td>May 3-7</td>
<td>Intermediate</td>
<td>Lisbon, Portugal</td>
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<tr>
<td>June 14-18</td>
<td>Intermediate</td>
<td>Houston, TX</td>
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MCNPX is the LANL all-particle, all-energy (eV-TeV) Monte Carlo transport code based on MCNP4C, LAHET, CEM, etc. MCNPX has been in active development since 1995, sponsored by the particle accelerator community. It has now become an accepted tool for a broad range of applications by nuclear engineers, physicists, and scientists. The MCNPX development effort has expanded the use of the Los Alamos tools to applications such as APT, waste transmutation, accelerator shielding and health physics, particle beam cancer therapy, space shielding and cosmic ray analysis, single event effects in semiconductors, radiography, and more detailed analysis of the effects of light and heavy ions in matter. In addition, the entire functionality of MCNP4C is retained. New variance reduction and data analysis techniques, many adapted from high energy accelerator methodologies, have also been added, such as the extensive 'mesh tally' capability which allows up to 3-d plotting of particle tracks, fluence and fluence-derived quantities, energy deposition, next event estimator generation contributions and particle sources.

The workshops include hands-on instruction, generally on PC Windows machines. Subject to participant export approval for the MCNPX beta test team, participants will be able to access the Fortran-90 version of MCNPX 2.4, the LA150 (150 MeV) cross-section data for over 40 isotopes for incident neutrons and protons, and 12 for photonuclear interactions, and a notebook of viewgraphs. Follow-up consultation for class participants will be provided.

Classes are taught by experienced MCNPX code developers and instructors. More information on code versions and capabilities is available at MCNPX Workshops web site http://mcnpxworkshops.com.

**PHYSOR 2004**

The Chicago Section of the American Nuclear Society is pleased to announce that it will host the PHYSOR-2004 Topical Meeting, **April 25-29, 2004**, in Chicago, Illinois. The meeting is co-sponsored by the Reactor Physics Division of the ANS, OECD Nuclear Energy Agency, European Nuclear Society, Canadian Nuclear Society, and the Brazilian National Atomic Energy Commission. The conference will be held at the Hyatt Regency in downtown Chicago.

The title for the meeting is "The Physics of Fuel Cycles and Advanced Nuclear Systems: Global Developments.” The technical program will cover more than 15 topical focus areas. You are invited to visit the meeting website at www.physor2004.anl.gov to obtain updated information and to download a copy of the meeting announcement. Contact: Ray Klann, Technical Program Co-Chair, at 630-252-4305 or klann@anl.gov.

**Practical MCNP for the HP, Medical Physicist, and Rad Engineer**

**DATES:** June 7-11, 2004  
**FEE:** $1,450 per person  
**PLACE:** The MESA Complex, Room 130, University of New Mexico-Los Alamos Campus

Monte Carlo type calculations are ideally suited to solving a variety of problems in radiation protection and dosimetry. This course is aimed at the health physicist, medical physicist, and rad
engineer with no prior experience with Monte Carlo techniques. The focus is almost entirely on the
application of MCNP™ to solve a variety of practical problems in radiation shielding and dosimetry.
The intent is to "jump start" the student toward using MCNP productively. Extensive interactive
practice sessions are conducted on a personal computer. Topics will include an overview of the MCNP
code and the Monte Carlo method, input file preparation, geometry, source definition, standard MCNP
tallies, interpretation of the output file, exposure and dose rate calculations, radiation shielding, photon
skyshine, detector simulation and dosimetry. Students will be provided with a comprehensive class
manual and a diskette containing all of the practice problems. This course has been granted 32
Continuing Education Credits by the AAHP, and 4.5 CM points by the American Board of Industrial
Hygiene. The course is offered by the Health Physics Measurements Group at the Los Alamos National
Laboratory and is co-sponsored by RSICC.

Registration is available online at: http://drambuie.lanl.gov/~esh4/mcnp.htm. Make checks
payable to the University of California (checks must be in U.S. dollars on a U.S. bank) and mail
together with name, address, and phone number to: Los Alamos National Laboratory, Group HSR-4,
MCNP Class, David Seagraves, Mail Stop J573, Los Alamos, NM 87545.

Inquiries regarding registration and class space availability should be made to David Seagraves,
505-667-4959, fax: 505-665-7686, e-mail: dseagraves@lanl.gov. Technical questions may also be
directed to Dick Olsher, 505-667-3364; e-mail: dick@lanl.gov.

Please note that this course is separate from and independent of the courses being offered by
the MCNP and MCNPX Teams at LANL.

Short Course on "Introduction to Monte Carlo Treatment Planning"

Course Director: Charlie Ma, Ph.D. ; Course Coordinator: Jinsheng Li, Ph.D.
Contact information: Tel 215-728-5665, Fax: 215-728-4789; Email: js_li@fccc.edu
Webpage: http://www.fccc.edu/clinical/radiation_oncology/monte_carlo_course.html
Venue: Radiation Oncology, FCCC, Philadelphia, PA
Date: April 8-10, 2004

The course registration fee is $1600, which covers the course materials, two lunches, two
dinners and refreshments. A set of software is free for the attendee. Discounts for students are
available. Hotel information is available upon request.

The short course is designed to train future Monte Carlo RTP users and researchers in the use
of Monte Carlo treatment planning software. The course will include didactic instruction and hands-on
workshops. The course is specially suited for previous EGS4 and OMEGA/BEAM course participants,
who want to expand their research into clinical RTP. A working knowledge of a Unix-based system is
expected to run the Monte Carlo RTP software.

Enrollment will be limited to 20 people to facilitate instruction at the hands-on labs. So please
register early. Registration will be strictly on a first-come basis. Please contact Dr. Jinsheng Li, at
js_li@fccc.edu or see the website: http://www.fccc.edu/clinical/radiation_oncology/
monte_carlo_course.html.
Monte Carlo 2005 Topical Meeting

Monte Carlo 2005 will be held **April 17-21, 2005**, (Sunday-Thursday). The theme of the conference will be "The Monte Carlo Method: Versatility Unbounded in A Dynamic Computing World".

The conference site is the Chattanooga Marriott and Convention Center in Chattanooga, Tennessee. The conference will be hosted by the American Nuclear Society (ANS) Oak Ridge/Knoxville Section, with ANS Radiation Protection and Shielding Division (RPSD) as the sponsoring division and Mathematics and Computations Division (MCD) as a co-sponsor. Co-sponsors will also include Oak Ridge National Laboratory (ORNL), Radiation Safety Information Computational Center (RSICC) and the Organization for Economic Cooperation and Development (OECD) Nuclear Energy Agency Data Bank (NEADB).

The Monte Carlo method and its applications have been frequently addressed at several major conferences and workshops organized in recent years in the area of nuclear applications. Monte Carlo topics have included radiation shielding, radiation physics, medical physics, and high energy physics. Significant developments have taken place in computational and data issues, resulting in state-of-the-art computer codes and tools. Monte Carlo 2005 is the next in a series devoted to the topic, following Monte Carlo 2000 which was held in Lisbon, Portugal in October 2000.

Conference topics will include: Methods Advancements (Physics) (proton transport, neutron transport, gamma transport, electron transport, heavy ion transport); Nuclear Data Advancements (proton transport, neutron transport, gamma transport, electron transport, heavy ion transport); Mathematical and Computational Advances (experiments & benchmarks, mathematical advances, computational advances, visualization); Applications (reactor, medical, accelerator, neutron science, dosimetry, shielding, fuel cycle, waste management, space & aviation, fusion, criticality safety, non-nuclear applications).

The website is [http://MonteCarlo2005.org](http://MonteCarlo2005.org). Full papers are due September 10, 2004. For information contact Bernadette Kirk (kirkbl@ornl.gov, 865-574-6176), General Chair, or Jeff Johnson (johnsonjo@ornl.gov, 865-574-5262), Technical Chair.

**CALENDAR**

March 2004

*MCNPX Intermediate Workshop*, Mar. 8-12, 2004, Santa Fe, NM. Contact: Bill Hamilton (tel 505-455-0312, email registrar@mcnpxworkshops.com, url [http://mcnpxworkshops.com](http://mcnpxworkshops.com)).

Visual Editor for MCNP, Mar. 15-19, 2004, Richland, WA. Contact: Randy Schwarz (email randyschwarz@mcnpxvised.com, url http://www.mcnpxvised.com/train.html).


April 2004


9th Workshop on Monte Carlo Simulation of Radiotherapy Treatment Sources Using the BEAM Code System, Apr. 26-29, 2004, Ottawa, Canada. Contact: Dave Rogers (tel 613-520-2600 x4374, fax 613-520-4061, email drogers@physics.carleton.ca, url www.physics.carleton.ca/~drogers/BEAM/course/brochure.html).

May 2004


June 2004

Practical MCNP for the HP, Medical Physicist, and Rad Engineer, June 7-11, 2004, Univ. of New Mexico, Los Alamos Campus. Contact: David Seagraves, (tel 505-667-4959, fax 505-665-7686, e-mail dseagraves@lanl.gov. Technical questions may also be directed to
Dick Olsher, 505-667-3364; e-mail dick@lanl.gov, url http://drambuie.lanl.gov/~esh4/mcnp.htm.


July 2004

MCNPX Introductory Workshop, July 12-16, 2004, Santa Fe, NM. Contact: Bill Hamilton (tel 505-455-0312, email registrar@mcnpxworkshops.com, url http://mcnpxworkshops.com for details).

September 2004

1st International Symposium on Radionuclide Therapy and Radiopharmaceutical Dosimetry, Sept. 4-8, 2004, Helsinki, Finland. Contact: Michael Lassmann or Val Lewington, (emails lassmann@nuklearmedizin.uni-wuerzburg.de; vjlewington@hotmail.com).


October 2004


April 2005

ACCESSION OF NUCLEAR SYSTEMS LITERATURE

The nuclear systems literature (shielding, safety, materials) cited below has been reviewed and placed in the RSICC Information Storage and Retrieval Information System (SARIS), now searchable on the RSICC web server (http://www-rsicc.ornl.gov/SARIS.html). We now include medical physics in addition to material science, radiation dosimetry, radiation safety, reactor dynamics, reactor safeguards, risk assessment, waste management, fuel cycle, fusion and plasmas, high energy particle transport, and shielding. This early announcement is made as a service to the nuclear sciences community. Copies of the literature are not distributed by RSICC. They may generally be obtained from the author or from a documentation center such as the National Technical Information Service (NTIS), Department of Commerce, Springfield, Virginia 22161.


I-Shou University, Kaohsiung, Taiwan; National Central University, Chung-Li, Taiwan; Institute of Nuclear Energy Research, Lung-Tan, Taiwan.


