

OECD Nuclear Energy Agency
Nuclear Science Committee

**Expert Group on Shielding Aspects of Accelerators, Targets and Irradiation Facilities
Ninth Meeting (SATIF-9)**

April 21-23, 2008

Spallation Neutron Source
Oak Ridge National Laboratory
Oak Ridge, TN USA

ANNOUNCEMENT AND PROPOSED PROGRAM OUTLINE

Website: www.nea.fr/html/science/meetings/SATIF-9/satif9.html

Scope and Objectives

The activities of the Task Force on Shielding Aspects of Accelerators, Targets and Irradiation Facilities (SATIF) are sponsored by the OECD Nuclear Energy Agency (NEA) and its Nuclear Science Committee (NSC) and co-sponsored by the Radiation Safety Information Computational Center (RSICC). The main objectives of the SATIF Meetings are to:

1. Promote the exchange of information among experts in the field of accelerator shielding and related topics,
2. Identify areas where international cooperation can be fruitful and
3. Carry on a program of work in order to achieve progress in specific priority areas.

Venue

The Ninth Specialists' Meeting on Shielding Aspects of Accelerators, Targets and Irradiation Facilities (SATIF-9) will take place at the Spallation Neutron Source at Oak Ridge National Laboratory, from April 21 to 23, 2008, at Oak Ridge, Tennessee, USA.

Sponsors

This event is jointly organized by the:

- OECD Nuclear Energy Agency
- Spallation Neutron Source
- Radiation Safety Information Computational Center (RSICC) and
- Technical Divisions of Radiation Science and Technology of Atomic Energy Society of Japan

Scientific Committee

The members of the Scientific Committee of SATIF-9 are:

P. Ferguson (SNS) (Chair)
B. Kirk (RSICC)
A. Leuschner, (DESY)
T. Nakamura (U. Tohoku)
S. Rokni (SLAC)
P. Vaz (ITN)

H. Hirayama (KEK)
H.S. Lee (PAL)
N. Mokhov (FNAL)
H. Nakashima (JAEA)
M. Silari (CERN)
E. Sartori (OECD/NEA- Secretary)

Executive Committee

The members of the Executive Committee, in charge of the preparation of the Technical Program for SATIF-9 and its submission to the Scientific Committee, are:

P. Ferguson (SNS) (Chair)	S. Rokni (SLAC)
B. Kirk (RSICC)	M. Silari (CERN)
H.S. Lee (PAL)	P. Vaz (ITN, NSC Member)
T. Nakamura (U. Tohoku)	E. Sartori (OECD/NEA)

Location

The location of the workshop will be at the Spallation Neutron Source. See the homepage, neutrons.ornl.gov.

Accommodations

A block of rooms has been reserved at the Staybridge Suites www.ichotelsgroup.com/h/d/sb/1/en/home/ in Oak Ridge, TN. The special SATIF-9 rate is \$79/night. Reservations can be made via telephone at 1-865-298-0050. Be sure to mention SATIF-9 to get the special rate.

A shuttle bus between the hotel and the SNS will be available for the three days of the workshop.

Participation and Presentations

Participation is limited to members of the SATIF group or participants designated by national authorities. A Registration Form is attached, or electronic registration is available at: www.nea.fr/html/science/meetings/SATIF-9/registration.html.

Participants should also indicate under which topic they wish to make a presentation and provide a brief summary of its content for final screening by the Scientific Committee members. The deadline for submitting the registration form is **March 2, 2008** and for submitting papers **April 21, 2008**.

Instructions for authors

Instructions for authors can be found at: www.nea.fr/html/science/docs/authors.pdf

Proceedings will be prepared after the workshop including an executive summary describing the progress achieved and the program of work for the coming two years.

Further details will be provided to registered participants on the local organization, how to reach the SNS, requirements for travel and visas, accommodations and access to the SNS.

Program

The proposed program outline is attached. The final program will be defined by the Executive and Scientific Committees on the basis of proposed presentations received by SATIF members.

Contact Information

Dr. Phil Ferguson
Spallation Neutron Source
Oak Ridge National Laboratory
Building 8600, MS 6466
Oak Ridge, TN 37831-6466 USA
Tel: +1 865 241 5702
Fax: +1 865 576 2674
E-mail: fergusonpd@ornl.gov

Dr. Enrico Sartori
OECD NEA Data Bank
12 Bd des Iles
92130 Issy-les-Moulineaux, France
Tel: +33 1 45 24 10 72 or 77
Fax: +33 1 45 24 11 10 or 28
E-mail: sartori@nea.fr

**Ninth Workshop on
Shielding Aspects of Accelerators, Targets and Irradiation Facilities
SATIF-9**

PROPOSED PROGRAM OUTLINE

April 21-23, 2008

Spallation Neutron Source
Oak Ridge National Laboratory
Oak Ridge, TN USA

The preceding SATIF Specialists Meetings were held respectively at: SATIF-1 in 1994 at Arlington, Texas (U.S.A.), SATIF-2 in 1995 at CERN, Geneva (Switzerland), SATIF-3 in 1997 at the University of Tohoku, Sendai (Japan), SATIF-4 in 1999 in Knoxville, Tennessee (U.S.A.), SATIF-5 in 2001 in Paris (France), SATIF-6 in 2003 at Stanford, California (U.S.A.), SATIF-7 in 2005 at Sacavém, Lisbon, Portugal, and SATIF-8 in 2006 at Pohang Accelerator Laboratory POSTECH in Pohang Gyeongbuk, Korea. SATIF-9 will concentrate on monitoring progress on agreed work in previous workshops, to decide common actions and international collaboration, and to improve common understanding of problems that have technical and safety significance in the following areas:

Topic 1 Source Term and Related Topics - Electron, Proton and Ion Accelerators and Spallation Sources

Includes:

- Electron-photon production
- Photo-neutron production
- High Energy Proton and Heavy Ion Machines
- Radio Isotope Beam Factory (RIBF) of RIKEN, Japan
- Spallation neutron sources of SNS and J-PARC

Topic 2 Measurements and Calculations of Induced Radioactivity and Activation Data

- Measurements at 500 MeV Booster Synchrotron at KEK, Japan

Topic 3 Benchmark Experiments and Calculations

Includes:

- Neutron shielding and TTY experiments using the TOF facility of the RCNP (Research Center of Nuclear Physics) cyclotron, Osaka University
- Neutron spectral experiment at CERF (CERN-EU High Energy Reference Field)
- Neutron attenuation length
- Deep penetration
- Dosimetrical results

Topic 4 Dose and Related Issues

Includes:

- Dosimetry
- Anthropomorphic Computational Models
- Dose conversion coefficients for "high energy" radiation

Topic 5 Status of Computer Codes, Cross Sections and Shielding Data Libraries

Includes:

- Status of Computer Codes, cross-sections and Data Libraries for
- Accelerator Shielding Modeling
- Activation calculations and measurements

Topic 6 Follow-up of past SATIF agreements and actions

- Status of Accelerator Shielding Handbook

Topic 7 Discussion/Summary and Future Actions.

SATIF-9 Preliminary Registration Form

Ninth Meeting (SATIF-9)

April 21-23, 2008

Spallation Neutron Source
Oak Ridge National Laboratory
Oak Ridge, TN USA

to be returned by March 2, 2008 to:

P. Ferguson, Oak Ridge National Laboratory, Building 8600, Mail Stop 6466, Oak Ridge, TN 37831-6466

Fax: 1-865-576-2674 Email: fergusonpd@ornl.gov and sartori@nea.fr

Registration and submission of abstract can alternatively be done via

www.nea.fr/html/science/meetings/SATIF-9/registration.html

I intend to participate in the SATIF-9 meeting:

Name: _____

Accompanying Person(s): _____

Address: _____

Telephone: _____

Telefax: _____

I intend to make the following presentation:

Title: _____

Author(s): _____

I will make my presentation under Topic #: _____

Brief Summary of Presentation:

