



12th Biennial RPSD Topical Meeting

April 14–17, 2002 | Santa Fe, NM

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Radiation Serving Society

1st Announcement—Call for Papers

The 12th Biennial Topical Meeting of the Radiation Protection and Shielding Division (RPSD) of the American Nuclear Society (ANS) will be held in Santa Fe, New Mexico, April 14–17, 2002. This meeting is hosted by the ANS Trinity Section and cosponsored by the Health Physics Society (HPS), L'Organisation de coopération et de développement/L'Agence pour l'énergie nucléaire (OECD/AEN), and the Radiation Shielding Information Computational Center (RSICC). In addition to an exciting technical program, workshops, tours (technical and social), and student programs are planned.

We will meet at the historic La Fonda Hotel in 400-year-old Santa Fe, America's most unusual state capital. The city's unique mix of Pueblo Indian, Hispanic, and European traditions provides visitors with an amazing choice of cultural and recreational activities. Fascinating museums, world-class shopping, art tours, varied performances in theater, dance, and music, gourmet dining, and myriad outdoor activities in one of the world's most beautiful settings—all these await you in "The City Different." Here you will experience firsthand the true ambiance of America's Southwest. In April—or any season—Santa Fe's people, arts, endless charms, and legendary hospitality promise to make your stay memorable.

La Fonda IS Santa Fe—the historic hotel on the southeast corner of the Plaza is surrounded by museums, shops, galleries and close to all of the area's attractions. Known for its award-winning Spanish pueblo style architecture, La Fonda is a vibrant landmark filled with unique paintings and colorful, hand-painted and hand-carved wooden furniture, beams, corbels and much more. Guests are delighted by the hotel's 167 uniquely decorated guest rooms and suites and by the delicious creations of their award-winning chefs. You will be pleased to find their multilingual concierge, a news stand as well as a variety of excellent shops in their lobby.

Important dates:

October 1, 2001	Abstracts due
December 10, 2001	Author notification
February 1, 2002	Final papers due
March 1, 2002	Preregistration deadline
April 14–17, 2002	Conference

Abstracts:

- due by October 1, 2001
- 250 words or less
- no figures or tables
- electronic submission only; full instructions, examples, and templates can be found at <http://www.lanl.gov/RPSD2002/abstracts.shtml>
- should describe the material to be presented in sufficient detail that the technical program committee can assess the proposed content and assign abstracts to the appropriate session
- electronic notification of acceptance of paper by December 10, 2001
- proceedings will be produced in CDROM format, and will be distributed at the registration desk along with the conference abstract book.

Abstracts are solicited in the following suggested topics:

Accelerator and Space Applications

Accelerator-Driven System Shielding
Shielding for Spallation Neutron Sources
Space Shielding and Doses

Codes, Methods, and Data

Advances in Deterministic Codes and Methods
Advances in Monte Carlo Codes and Methods
Build-up Factor, Albedo, and Point Kernel Methods/Applications
Code Verification and Validation
Hybrid (MC/Deterministic) Methods for Shielding Applications
Nuclear Data for Shielding Applications
Visualization and User Interfaces

Environmental Health Physics

Doses in Aircrafts
Environmental Radioactivity Measurements
Environmental Release Limits and Transport
Impact of Radiation and Radioactivity to Environment
Radiological Assessments

Low-Dose Health Effects

Dose and Dose-Rate Coupling
Evidence For or Against the Linear No Threshold (LNT) Theory
Repair Mechanisms

Medical Applications

Medical Diagnostics and Imaging
Medical Facility Shielding
Medical Isotopes
Medical Physics Applications

Nuclear Instrumentation and Measurement

Nondestructive Analysis
Radiation Detection and Measurement
Radiation Dosimetry

Radioactive Waste Management

Analysis of Gamma Heating from Stored Spent Fuel
Decommissioning and Decontamination
Transportation and Storage of Radioactive Materials
Waste Package Storage and Transport Design
WIPP Activities
Yucca Mountain Activities

Safety and Hazard Analysis

ALARA
Dose Impact from Increased Control Room Inleakage
Impact of Alternate Source Terms on Design Evaluations at
Nuclear Power Plants
Radiation Protection and Shielding Standards
Regulatory Issues and Viewpoints
Source Term Evaluation

Shielding Design and Analysis Issues

Exposure Evaluation and Radiation Protection
Fuel Cycle Facility Shielding
Radiation Sources
Shielding Design and Analysis
Skyshine
Streaming

Shielding for Reactor Applications

Fission Reactor Shielding
Fusion Reactor Shielding
Pressure Vessel Fluence/Dosimetry

Special Topics

Activation and Induced Radioactivity
Dose Assessment and Reconstruction
Dose Conversion Factors
Food Irradiation
History of Radiation Protection and Shielding
Industrial Applications of Radiation
Material Damage
Nuclear Well Logging
Reanalysis of Hiroshima and Nagasaki Activation Data
Safeguards and Treaty Verification
Shielding and Benchmark Experiments