

ANES 2004 Daily Schedule

Sunday, October 3, 2004

10:00 a.m. – 6:00 p.m. Richelieu Exhibitor Setup

1:00 p.m. – 6:00 p.m. Main Lobby Early Registration

4:00 p.m. – 6:00 p.m. Charlemagne Meeting with Track and Session Leaders

7:00 p.m. – 9:00 p.m. Richelieu Exhibits Open

7:00 p.m. – 9:00 p.m. Pool Side Welcome Reception

Monday, October 4, 2004

8:00 a.m. – 9:00 a.m. Richelieu Breakfast

8:00 a.m. – 7:00 p.m.
Main Lobby /Richelieu Registration/Exhibit Hall Open

9:00 a.m. – 10:45 a.m.
Le Jardin

Session 1-01: Opening Plenary

Welcoming address to participants at the Americas Nuclear Energy Symposium.

Speakers:

Harlan Sands, Executive Director, Hemispheric Center for Environmental Technology at Florida International University

The Honorable David Dermer, Mayor of Miami Beach

William D. Magwood IV, Director, Office of Nuclear Energy, Science and Technology, Department of Energy, USA

Juan Eibenschutz, Director General, CNSNS, Mexico

Keynote Speaker:

Ms. Linda Conlin, Director, Export-Import Bank of the United States

National Nuclear Highlights

Invited Panelists:

- Dario Jinchuk, Head Department of International Relations, CNEA, President Argentine Association of Nuclear Technology
- Zieli Dutra Thome, President ELETRONUCLEAR, Brazil
- Linda Keen, President and CEO of the Canadian Nuclear Safety Commission, Canada

- Roberto Hojman, Executive Director CChEN, Chile
- Dr. Sanchez, Technical Secretary ININ, Mexico
- Shane Johnson, Deputy Director for Technology, Office of Nuclear Energy, Science and Technology, DOE, USA

10:45 a.m. – 11:00 a.m.

Morning Break

11:00 a.m. – 12:30 p.m.
Le Jardin

Session 1-02A (Power 1a): Diagnostic Tools & Techniques to Improve Plant Performance and Operations

This session covers some of the diagnostic tools recently developed and used to improve nuclear power performance.

Session Leaders:

Sergio Mathias, Eletronuclear, Brazil
Richard Schultz, INEEL, USA

Speakers:

- An Algorithm for Thermal Efficiency Optimization of a Nuclear Power Plant – N. S. Lapa, IEN/CNEN; A. C. M. Alvim and A. S. Martinez, Universidade Federal do Rio de Janeiro, COPPE, Programa de Energia Nuclear Cidade Universitária
- Damage and Failure Process in 347 SS in Nuclear and Conventional Industry Working With Critical Components - E.R.Schiapparelli, Consultor Científico; R.Montero, CNEA; J.Tiebas, CNEA; M.Liendo, Autoridad Regulatoria Nuclear; E.Vicente, CNEA, E.G.Schmale, Petrobras, Bahía Blanca; R. Castillo, CNEA

Napoleon I

Session 1-03A (Isotopes 1a): Radioisotopes: Production and Management

This session discusses the production and management of radioisotopes and sealed sources from around the world.

Session Leaders:

Dana Christensen, LANL, USA
Maria Elisa C. M. Rostelato, Brazil

Speakers:

- Applications of Radioisotopes in Modern Life – Alan E. Walter, PNNL
- Integrated Management Program for Radioactive Sealed Sources in Egypt - Ahmed Hasan, SNL; Karim El-Adham, Egyptian Atomic Energy Authority
- Recent Radioisotope Developments at BNL - L.F. Mausner, K.L. Kolsky, and S.C. Srivastava, BNL

Napoleon III

Session 1-04A (RTTR 1a): Research, Test, and Training Reactors: Design, Operations, Upgrades, and Applications – Part I

This session covers issues relating to the design, operation, upgrade, and application of research, testing, and training reactors in the Americas and around the world.

Session Leaders:

Jose Lolich, INVAP, Argentina

John Gutteridge, DOE, USA

Speakers:

- Advanced Nuclear Research Reactor - Amir Zacarias Mesquita, CDTN, Brazil
- Innovations in Nuclear Infrastructure and Education (INIE) Consortia – Current Status - Robert A. Fjeld, Clemson University; John Gutteridge, USDOE; Craig Williamson, South Carolina Universities Education and Research Foundation
- The Status and Future of the Irradiation Service in the HANARO Reactor - Young-Hwan Kang, Bong-Goo Kim, Man-Soon Cho, Kee-Nam Choo and Young- Jin Kim, Korea Atomic Energy Research Institute
- Monju as an International Asset: International Assistance and Cooperation - Gilles Rodriguez, CEA; Richard S. Wisner, JNC International Research Fellow (ANL, USA); Roger Stuart, JNC International Research Fellow (NNC Ltd, UK)

12:30 p.m. – 2:00 p.m.
Napoleon II

Luncheon

2:00 p.m. – 3:30 p.m.
Le Jardin

Session 1-05B (Fuel Cycle 1b): Advanced Fuel Cycle Development

This session will address advanced fuel cycle research and development programs.

Session Leaders:

Mel Buckner, USA

Jose Maiorino, Brazil

Speakers:

- On-Going Comparison of Advanced Fuel Cycle Options - Steven J. Piet, INEEL; Ralph G. Bennett, INEEL; Brent W. Dixon, INEEL; J. Stephen Herring, INEEL; David E. Shropshire, INEEL; M. Roth, USDOE; J. D. Smith, SNL; R. Hill, ANL; J. Laidler, ANL; and K. Pasamehmetoglu, LANL

- Impact of Nuclear Energy Futures on Advanced Fuel Cycle Options - Brent W. Dixon and Steven J. Piet, INEEL
- A Review of Thorium Utilization as an option for Advanced Fuel Cycles and its Potential Option for Brazil in the Future – José Rubens Maiorino (CNEN/IPEN), Thiago Carluccio (UNICAMP), Sergio Anéfalos (IFUSP), and Sara Mongelli (IPEN-USP), Brazil
- The Optimum Plutonium Inert Matrix Fuel Form for Reactor-Based Plutonium Disposition - James S. Tulenko, Jiwei Wang, and Christian Acosta, University of Florida
- Fuel-Cycle and Nuclear Material Disposition Issues Associated with High-Temperature Gas Reactors - David E. Shropshire and J. Stephen Herring, INEEL

Napoleon I

Session 1-06B (Isotopes 1b): Panel Discussion: Regulation of Highly Radioactive Sources and Orphan Source Prevention – Part I

This panel discussion will focus on the issues and problems associated with the proper accountability and disposal of highly radioactive sources. Panel members will include regulatory and industry leaders from throughout the Americas and IAEA.

Session Leaders:

Juan Eibenschutz, Mexico
Brian Dodd, IAEA

Panelists:

- Juan Eibenschutz, CNSNS, Mexico
- Deborah Kopsick, Environmental Protection Agency, USA
- John Hickey, Nuclear Regulatory Commission, USA
- Roberto Vicente, Brazil
- Brian Dodd, International Atomic Energy Agency
- Igor Bodnar, Argonne National Laboratory, USA/Ukraine

Napoleon III

Session 1-07B (RTTR 1b): Research, Test, and Training Reactors: Design, Operations, Upgrades, and Applications – Part II

This session is a continuation of the discussion started in Session 1-04A.

Session Leaders:

Richard Abrosek, INEEL, USA
Gustavo Alonso, Mexico

Speakers:

- Data Acquisition System for Triga Mark I Nuclear Research Reactor of CDTN - Amir Zacarias Mesquita, CDTN, Brazil
- Development of a Monolithic Research Reactor Fuel Type at Argonne National Laboratory – C. R. Clark and R.J. Briggs, ANL-W
- Failed MTR Fuel Element Detect in a Sipping Test - C. A. Zeituni, L. A. A. Terremoto, J. E. R. da Silva, Instituto de Pesquisas Energéticas e Nucleares (IPEN/CNEN-SP)
- Testing of Gas Reactor Materials and Fuel in the Advanced Test Reactor - S. Blaine Grover, INEEL
- The Conceptual Design for Fuel Assembly of a New Research Reactor - Jeong-Soo Ryu, Yeong-Garp Cho, Doo-Byung Yoon, Hee-Tack Chae, and Cheol Park, KAERI

3:30 p.m. – 4:00 p.m.

Afternoon Break

4:00 p.m. – 5:30 p.m.
Le Jardin

Session 1-08C (Power 1c): Plant Operations: Techniques to Increase & Enhance Plant Performance

This session presents methods to improve the performance of the existing fleet of nuclear reactors.

Session Leaders:

Antonio Barroso, Brazil
Francesco D’Auria, Italy

Speakers:

- Supercritical CO₂ Brayton Cycle Control Strategy for Autonomous Liquid Metal-Cooled Reactors - A. V. Moiseyev and J. J. Sienicki, ANL
- Solutions to Obsolete Equipment in Operating Nuclear Power Plant - Michael Donovan, SCIENTECH
- Improving the Performance Analysis of the IRIS Pressurizer - Antonio C. O. Barroso, Benedito D. Baptista Fo., Delvonei A. de Andrade, Gaianê Sbundjian, and Elcio T. Palmieri, IPEN/CNEN-SP
- Guidance for Nuclear Power Plant Control Room and Human-System Interface Modernization - Joseph Naser, EPRI, and Glenn Morris, U.S. DOE

Napoleon I

Session 1-09C (Isotopes 1c): Panel Discussion: Regulation of Highly Radioactive Sources and Orphan Source Prevention – Part II

This session continues the discussion started in Session 1-06B.

Session Leaders:

Juan Eibenschutz, Mexico
Brian Dodd, IAEA

Panelists:

- Juan Eibenschutz, CNSNS, Mexico
- Deborah Kopsick, Environmental Protection Agency, USA
- John Hickey, Nuclear Regulatory Commission, USA
- Roberto Vicente, Brazil
- Brian Dodd, International Atomic Energy Agency
- Igor Bodnar, Argonne National Laboratory, USA/Ukraine

Napoleon III

Session 1-10C (ESAE 1c): Innovative Reactors and New Developments

This session covers the latest reactor and alternative energy technologies and policies designed to reduce environmental impacts.

Proposed Session Leaders:

Jose-Luis Delgado Guardado, Mexico

Daniel Meneley, Canada

Speakers:

- The IAEA International Project on Innovative Nuclear Reactors and Fuel Cycles (INPRO): Current Status and Future Trends - Juergen Kupitz, IAEA
- Updated Uranium Fuel Cycle Environmental Impacts for Advanced Reactor Designs - Robert L. Nitschke, INEEL; B. P. Singh, USDOE
- Hydrogen: Adding Value and Flexibility to the Nuclear Power Industry - Paul Friley, John Lee, William Horak, and Ann Reisman, BNL
- Future World Energy Constraints and the Direction for Solutions - H. Douglas Lightfoot, McGill University
- Recent Developments of the IRIS Project and Their Interest for Latin America - Mario D. Carelli, Westinghouse Electric Co. LLC

5:30 p.m. – 7:00 p.m. Richelieu Poster Session

5:30 p.m. – 7:00 p.m. Richelieu Reception

Tuesday, October 5, 2004

8:00 a.m. – 9:00 a.m. Richelieu Breakfast

8:00 a.m. – 5:00 p.m.
Main Lobby /Richelieu Registration/Exhibit Hall Open

9:00 a.m. – 10:15 a.m.
Le Jardin **Session 2-11: Plenary Panel Discussion: Financing a New Nuclear Power Plant**

This panel discussion addresses some of the issues associated with financing new nuclear power plants.

Session Leaders:

Zieli D. Thome Filho, Brazil

Marv Fertel, USA

10:15 a.m. – 10:30 a.m.

Break

10:30 a.m. – Noon
Le Jardin

Session 2-12A (Power 2b): Nuclear Power – Public Acceptance, Economic Viability, and Sustainability

Factors that influence the public acceptance of nuclear power will be discussed together with why nuclear power is an essential ingredient in the power portfolio for the Americas.

Session Leaders:

Fernando Henning, Brazil

Humberto Garcia, ANL-W

Speakers:

- Keeping Nuclear as a Viable Option for Electric Power Generation in the Brazilian Matrix - Fernando Henning, ELETRONUCLEAR, Brazil
- Nuclear Energy: More than a Commodity, It's an Economic Necessity - Daniel Glassic, PPL Susquehanna, LLC
- Participation of the Nuclear Power Plants in the New Brazilian Electric Energy Market - Sergio G. Mathias, ELETRONUCLEAR, Brazil
- United States - Brazil Cooperative Research in Nuclear Reactor Monitoring and Diagnosis - B.R. Upadhyaya and J.W. Hines, University of Tennessee, D.K.S. Ting, IPEN, São Paulo, Brazil

- Levelized Costs for Nuclear, Gas and Coal for Electricity, Under the Mexican Scenario - Javier Palacios, Gustavo Alonso, Ramon Ramirez, and Armando Gomez, ININ, Mexico

Napoleon I

Session 2-13A (INFO 2b): Information/Knowledge Transfer

This session presents some of the activities being conducted in the pursuit of the exchange of information and knowledge in the realm of nuclear energy.

Session Leaders:

Hubert Ley, ANL/USA
Rosamel Munoz, Chile

Speakers:

- Sharing of Nuclear Safety Information through Distributed Web-based Database Systems – Hubert Ley, ANL
- U.S. Department of Energy Program of International Technical Cooperation for Research Reactor Utilization - Margaret Manning and Daniel Chong, U.S. DOE/NNSA
- Changes in Nuclear Engineering Education – John Gutteridge, USDOE
- Public Acceptance of Nuclear Energy, the Chilean Experience - Rosamel Muñoz, CCHEN
- The Nuclear Energy Option for the U.S. – How Far Are We From Public Acceptance? - Jennifer A. Biedscheid and Murthy Devarakonda, Washington TRU Solutions LLC

Napoleon III

Session 2-14A (Isotopes 2b): Panel Discussion: Isotope Production in Light of Increasing Demand

This panel session discusses the production and utilization of isotopes in the Western Hemisphere.

Session Leaders:

Suresh Srivastava, BNL/USA
Constancia Pagano, Brazil

Noon – 1:30 p.m.

Lunch on own

1:30 p.m. – 3:00 p.m.
Le Jardin

Session 2-15B (Isotopes 2c): Isotopes in Nuclear Medicine – Part I

This session covers the latest activities involving the use of radioisotopes in the field of nuclear medicine.

Session Leaders:

Anthony McGoron, USA
Amanda E. Schwint, Argentina

Speakers:

- New Applications of Radiation Technology to Advance Global Health - Grant Malkoske, MDS Nordion, Canada

- Radionuclide Therapy: Then, Now and the Future – S. Satz, Bio-Nucleonics Pharma, Inc., R. Satz, R. Bio-Nucleonics Pharma, Inc., R. Schenter, Pacific Northwest National Laboratory, D. Fisher, Pacific Northwest National Laboratory
- Iridium-192 Production for Cancer Treatment - Maria Elisa C. M. Rostelato, Constância P. G. Silva, Paulo R. Rela, Carlos A. Zeituni, Vladimir Lepki, Anselmo Feher, IPEN-CNEN, Brazil
- Bone-Localizing Electron-Emitting Therapeutic Radiopharmaceuticals - Suresh C. Srivastava, Brookhaven National Laboratory

Napoleon I

Session 2-16B (ESAE 2c): Sustainable Development – Challenges and Opportunities – Part I

This session addresses the concept of sustainable development and the potential role of various energy sources.

Session Leaders:

Vanusa M. F. Jacomino, Brazil

Jan Van Erp, USA

Speakers:

- Sustainable Energetic Policy - María Cristina Betti, Universidad Nacional de La Plata, Argentina
- External Costs Associated to Electricity Generation Options in Brazil - Vanusa Maria Feliciano Jacomino, Ivan Dionysio Aronne, Suely Epsztein Grynberg, CDTN/CNEN, Brazil; Joseph Spadaro, IAEA
- Science and Technology Development to Integrate Energy Production and Greenhouse Gas Management - Duane Pendergast, Computare, Canada
- The Contribution of Hydro and Nuclear Energy, Based on Life-Cycle Assessment - Luc Gagnon, Hydro-Quebec, Canada
- IRIS Reactor - A Suitable Option to Provide Energy and Water Desalination for the Mexican Northwest Region - Gustavo Alonso, Ramon Ramirez, and María C. Gomez, ININ, Mexico

Napoleon III

Session 2-17B (RTTR 2c): Research, Test, and Training Reactors: Design, Operations, Upgrades, and Applications – Part III

This session is a continuation of the discussion started in Sessions 1-04A & 1-07B.

Session Leaders:

Dario Jinchuk, Argentina

Curtis Clark, USA

Speakers:

- Neutron Transport Modeling of the Advanced Test Reactor with the Attila Code - D. S. Lucas, H. D. Gougar, and P.A. Roth, INEEL; T. Wareing, G. Failla, J. McGhee, and A. Barnett, Radion Technologies
- Spectral Nodal Method for Slab-Geometry Neutron Kinetics Diffusion Equations with Two Energy Groups - Carlos R. G. Hernández, Dany S. Dominguez and Victor Tame, ISCTN; Ricardo C. Barros, IPRJ-UERJ
- 3-D Thermal Evaluations for a Fueled Experiment in the Advanced Test Reactor - Richard G. Ambrosek, Gray S. Chang, Debra J. Utterbeck, INEEL

- An Expert System to Analyze Homogeneity in Fuel Element Plates for Research Reactors - Sebastián Cativa Tolosa and Adolfo Marajofsky, CNEA

3:00 p.m. – 3:30 p.m.

Afternoon Break

3:30 p.m. – 5:00 p.m.
Le Jardin

Session 2-18C (Isotopes 2d): Isotope Applications in Agriculture & Environment

This session presents some of the latest applications of radioisotopes for the benefit of agriculture and environmental monitoring and management.

Session Leaders:

F.C.A. Villanueva, Brazil
TBD

Speakers:

- Irradiation Effect on Physical Characteristics of Sewage Sludge - Myun-Joo Lee, Jae-Kwang Lee, and Dae-Hyun Yoo, Korea Atomic Energy Research Institute

Napoleon I

Session 2-19C (ESAE 2d): Panel Discussion: Sustainable Development – Challenges and Opportunities – Part II

This panel discussion provides follow-up on the discussion of the concept of sustainable development and the potential role of various energy sources started in Session 2-16B.

Session Leader:

Duane Pendergast, Canada
Jorge Spitalnik, Brazil

Panelists:

- Jorge Spitalnik, FEBRAE, Brazil
- Tom Meyer, Los Alamos National Laboratory, USA
- Maria Christina Betti, Universidad Nacional de la Plata, Argentina
- Vanusa Maria Feliciano Jacomino, CDTN/CNEN, Brazil
- Luc Gagnon, Hydro Quebec, Canada
- H. Douglas Lightfoot, McGill University, Canada
- Daniel Meneley, Atomic Energy Corporation Ltd, Canada

Napoleon III

Session 2-20C (Fuel Cycle 2d): Waste Treatment Methods

This session will cover the development of treatment methods for disposition of various nuclear-generated wastes.

Session Leaders:

Bill Del Cul, USA
Diego Russo, Argentina

Speakers:

- Implementation of the “Joint Convention on Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management” by the United States of America - Leroy Stewart and Douglas Tonkay, U.S. DOE
- Characterization of Iron-phosphate Glass Matrices for Conditioning of Research Reactors Spent Fuels – Diego O. Russo, Diego Rodríguez, Patricia Mateos, Mario E.

Sterba, Arturo D. Heredia, Miguel Sanfilippo, and Simón Prastalo, CNEA

- Development of a Novel Solvent for the Simultaneous Separation of Strontium and Cesium from Acidic Solutions - C. L. Riddle, J. D. Baker, J. D. Law, C. A. McGrath, D. H. Meikrantz, B. J. Mincher, D. R. Peterman, and T. A. Todd, INEEL
- Smelting Associated with Advanced Spent Fuel Conditioning Process - Jin-Mok Hur, Myoung-Soo Jeong, Won-kyoung Lee, Soo-Haeng Cho, Chung-Seok Seo, and Seong-Won Park, KAERI
- The Envirocare Option - Mixed Waste and Low Level Radioactive Waste Disposal and Treatment - Allan Erichsen, Envirocare of Utah, Inc.

7:00 p.m.

Banquet

Speaker:

Chairman Nils Diaz, U.S. Nuclear Regulatory Commission

Wednesday, October 6, 2004

8:00 a.m. – 8:45 a.m. Richelieu

Breakfast

8:00 a.m. – Noon
Main Lobby /Richelieu

Registration/Exhibit Hall Open

8:45 a.m. – 10:15 a.m.
Le Jardin

Session 3-21A (Power 3a): Advanced Reactor Designs – The Path Forward

This session presents advanced reactor designs that further the economic advantage of nuclear power systems.

Session Leaders:

Juan Luis Francois, Mexico

Richard Schultz, USA

Speakers:

- The Advanced High-Temperature Reactor (AHTR) for Producing Hydrogen to Manufacture Liquid Fuels - C. W. Forsberg, ORNL; P. F. Peterson, UCB; L. J. Ott, ORNL
- Design of a Boiling Water Reactor Equilibrium Core Using Thorium-Uranium Fuel - Juan-Luis François, Alejandro Núñez-Carrera, Universidad Nacional Autónoma de México; Gilberto Espinosa-Paredes, Universidad Autónoma Metropolitana; Cecilia Martín-del-Campo, Universidad Nacional Autónoma de México
- The Status of the ACR-700 For Potential Deployment in the U.S. - John Polcyn, AECL Technologies

- MARS, 600 MWth Nuclear Power Plant - Maurizio Cumo, Antonio Naviglio, and Luigi Sorabella, University of Rome “La Sapienza”, Italy
- Cogeneration of Electricity and Potable Water Using The International Reactor Innovative And Secure (IRIS) Design - D. T. Ingersoll and J. L. Binder, ORNL; V. Polunichev, OKB Mechanical Engineering, Russia; M. E. Ricotti and D. Conti, Polytechnic of Milan, Italy; G. Alonso, ININ, Mexico

Napoleon I

Session 3-22A (Safety 3a): Safety of Nuclear Facilities and Materials – Part I

This session discusses some of the safety issues and ways in which they can be addressed.

Session Leaders:

Jorge Spitalnik, Brazil
Martin Sattison, USA

Speakers:

- The Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management - Piero Risoluti, IAEA
- Importance of Safety Culture Assessment - Jorge Spitalnik, UPADI, Brazil
- The Impact of the Global Nuclear Safety Regime in Brazil - Claudio Almeida, CNEN, Brazil
- Development of a Methodology to Assess Proliferation Resistance and Physical Protection for Generation IV Systems - Richard Nishimura, AECL; Robert Bari, BNL; Jordi Roglans, ANL; Per Peterson, UC-Berkeley

Napoleon III

Session 3-23A (Isotopes 3a): Isotopes in Nuclear Medicine – Part II

This session continues the discussion on the latest activities involving the use of radioisotopes in the field of nuclear medicine started in Session 2-15B on Tuesday.

Session Leaders:

Amanda E. Schwint, Argentina
Anthony McGoron, USA

Speakers:

- Collaborative Dosimetry and Radiobiology Studies for Neutron Capture Therapy - Amanda E. Schwint, CNEA, Argentina; David W. Nigg, INEEL
- Morphological Alterations on Red Blood Cells Labeled with Technetium-99M: The Effect of Phytic Acid and Mikania Glomerata (Guaco) Extracts - G.L. Lima-Filho,

IBRAG-UERJ; J.A. Lopes, UERJ; D.M. Florentino, Instituto Nacional do Câncer, Rio de Janeiro, Brasil; G.M.T Lima, HC-UFPE; S.D. Santos-Filho, IBRAG-UERJ/ UniFOA; M. Bernardo-Filho, IBRAG-UERJ/Instituto Nacional do Câncer, Rio de Janeiro, Brasil

- Novel Radiolabeled Ligands based on Adenoviral Sub-unit Proteins for Molecular Imaging and Therapeutic Applications in Oncology - Suresh Srivastava, BNL; George Meinken, BNL; Karen Springer, BNL; Vibhudutta Awasthi, University of Texas; Paul Freimuth, BNL
- Trash to Treasure: Converting Cold War Legacy Waste into Weapons Against Cancer - Robert G. Nicholas and Norman H. Lacy, Burns and Roe Enterprises, Inc.

10:15 a.m. – 10:30 a.m.

Morning Break

10:30 a.m. – Noon
Le Jardin

Session 3-24B (Isotopes 3b): Isotopes Used in Industry

This session covers the latest developments in the application of radioisotopes for industrial purposes.

Session Leaders:

Maria H. O. Sampa, Brazil
Robert Gehrke, USA

Speakers:

- Application of Fricke Dosimetry in Gamma Facilities - Pablo Andrade Grossi, Paulo Márcio Campos de Oliveira, Márcio Tadeu Pereira, Ricardo Ferracini Corrêa, CDTN-CNEN
- Industrial Applications of Photon Induced Positron Annihilation (PIPA) Technology - Doug Akers, INEEL; C. A. Rideout, Positron Systems, Inc.
- Potential and Future Trends on Industrial Radiation Processing Technology Application in Emerging Country – Brazil - Maria Helena O. Sampa, Nelson M. Omi, Carolina S. Rela, and David Tsai, IPEN-CNEN
- Design Optimization of Radionuclide Nano-Scale Batteries – D. W. Schoenfeld, J. S. Tulenko, J. Wang, B. Smith, University of Florida
- Construction of Industrial Electron Beam Plant for Wastewater Treatment - Bumsoo Han, Jin Kyu Kim, Yuri Kim, and Seong Myun Kim, EB-TECH Co.; Jang Seung Choi, Korea Dyeing Technology Center; I. E. Makarov and A.V. Ponomarev, Russian Academy of Sciences

Napoleon I

Session 3-25B (Safety 3b): Safety of Nuclear Facilities and Materials – Part II

This session continues the discussion started in Session 3-22A.

Session Leaders:

Claudio Almeida, Brazil

Roger Tilbrook, USA

Speakers:

- Long Term Remote Monitoring of TCE Contaminated Groundwater at Savannah River Site - Celso Duran, Jose Varona, Ravi Gudavalli, Leonel Lagos, and Marshall Allen, Florida International University
- An Integrated Site-Wide Assessment of Nuclear Wastes to Remain at the Hanford Site, Washington - John G. Morse, DOE; Robert W. Bryce, PNNL; R. Douglas Hildebrand, DOE; Charles T. Kincaid, PNNL
- IRIS Simplified LERF Model - Andrea Maioli, Polytechnic of Milan; David J. Finnicum, Westinghouse Electric Co.; Yuji Kumagai, Tokyo Institute of Technology
- Practical Nuclear Power Plant Containment Design to Resist Large Commercial Aircraft Crash and Postulated Reactor Core Melt - John D. Stevenson, Consulting Engineer

Napoleon III

Session 3-26B (Fuel Cycle 3b): Transportation and Repositories

This session covers issues related to the transportation and long-term storage of radioactive materials.

Session Leaders:

Roberto Hojman, Chile

Mike Goff, USA

Speakers:

- How to Shape a Successful Repository Program - Tom Isaacs, LLNL
- Ten Years of Public Acceptance Experience in International Transport of Nuclear Materials - Henri-Jacques Neau, AREVA –ACL France; Jean-Claude Guais, International Consultant
- Characteristics of Next Generation Spent Nuclear Fuel (SNF) Transport and Storage Casks - M. Jonathan Haire and Charles W. Forsberg, ORNL; V.I. Shapovalov, All-Russian Research Institute of Experimental Physics
- Thermal Model of an Alternate Spent Nuclear Fuel Package Design for Disposal in the Proposed Yucca Mountain Nuclear Repository - Piyush Kar, M. Misra, G. Danko, J.S. Armijo, and D. Bahrami, University of Nevada Reno

Noon – 12:30 p.m.

Closing Remarks

Le Jardin