

SEPTEMBER 2009

GLOBAL 2009

Call For Papers



**Abstracts and Papers:
On-line Submission**

Go to: www.sfen.fr
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2009 link.

**Abstract Due:
December 15, 2008**

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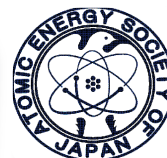
- the International Atomic Energy Agency (IAEA)
- the OECD Nuclear Energy Agency (NEA)

Organized by the French Nuclear Energy Society (SFEN)

With the technical support of:

- the American Nuclear Society (ANS)
- the European Nuclear Society (ENS) and its member societies
- the Atomic Energy Society of Japan (AESJ)

*General Chair: Bernard BIGOT, High
Commissioner for Atomic Energy, France*



CONFERENCE

Global 2009

- September 6-11, 2009
- PALAIS DES CONGRÈS DE PARIS, PORTE MAILLOT
- Regular Updates at: www.sfen.fr

“The Nuclear Fuel Cycle: Sustainable Options and Industrial Perspectives”

GLOBAL 2009 will be the ninth bi-annual scientific world meeting on the Nuclear Fuel Cycle (NFC) that started in 1993 in Seattle. This meeting has established itself as a dedicated international forum for experts, to provide an overall review of the status and new trends of research applications and policies related to the fuel cycle.

The international nuclear community is actively developing advanced processes and innovative technologies that enhance economic competitiveness of nuclear energy and ensure its sustainability, through optimized utilization of natural resources, minimization of nuclear wastes, resistance to proliferation and compliance with safety requirements. In this context, and under the profound evolutions concerning energy supply, GLOBAL 2009 will be a great opportunity for sharing ideas and visions on the NFC.

Special emphasis will be placed on the results of the international studies for developing next generation systems.

GLOBAL 2009 will highlight the technical challenges and successes involved in closing the NFC and recycling long

lived nuclear waste. It will be also an excellent occasion to review and discuss social and regulatory aspects as well as national plans and international policies and decision affecting the future of nuclear energy. This meeting will provide a forum for the exchange of the newest ideas and developments related to the initiatives at of establishing an acceptable, reliable and universal international non proliferation regime.

- GLOBAL 2009 will be the international event not to be missed in 2009 for those who are involved in current nuclear programs and who are preparing the basis for the coming growth of nuclear power worldwide.
- A major international scientific event, the largest dedicated forum for experts and managers implicated in the Nuclear Fuel Cycle, from the mine to the recycling and disposal.
- More than 500 delegates are expected from all over the world during four conference days in Paris, September 6-11, 2009.

The GLOBAL 2009 Conference will be organized in coordination with the LWR Fuel Performance Meeting / Top Fuel 2009. That would lead to a common opening session, some common technical presentations, a common exhibition and common social events. A special Call for Papers of TOP FUEL will be issued in September 2008.

LWR Fuel Performance Meeting / Top Fuel 2009

Specific Tracks:

- 1- Fuel Performance, Reliability and Operational Experience
- 2- Transient Fuel Behaviour and Safety Related Issues
- 3- Advances in Water Reactor Fuel Technology
- 4- Innovative Fuel Design and Core Management: R&D for LWR Fuel in the next 30 Years

Conference Office:

French Nuclear Energy Society (SFEN)
Contact: Sylvie Delaplace
sdelaplace@sfen.fr

Program Committee Chair:

Ralf Guldner (AREVA)
Michel Debes (EDF)

Visit the Web Site to know more at:
www.sfen.fr



General Overview

Sunday, September 6	Monday, September 7	Tuesday, September 8	Wednesday, September 9	Thursday, September 10	Friday, September 11
Events Welcome Reception	GLOBAL 2009 Conference & Exhibition TOP FUEL 2009 Embedded Topical Meeting - LWR Fuel Performance Meeting -			GLOBAL 2009 Technical visits	

- TECHNICAL TRACK DESCRIPTION & INSTRUCTIONS
- ON-LINE ABSTRACT SUBMISSION
- Web site at: www.sfen.fr

CONFERENCE

Global 2009

The technical program will consist of invited plenary and focused in-depth technical sessions. The technical sessions will be organized along specific areas of technical interests listed below.

Global- 1. Front end of the fuel cycle.

Status and prospects on technologies and processes for ore prospectation, uranium mining, uranium conversion and uranium enrichment.

Global- 2. Current spent nuclear fuel recycling.

Industrial experience and on going developments on reprocessing and MOX fuel. Recycling of reprocessed uranium

Global- 3. Waste management technologies and strategies.

Current developments on vitrification and other conditioning processes for high level radioactive waste. Current and advanced engineered waste forms and conditioning technologies of the ultimate waste. Regulatory and environmental issues.

Global- 4. Concepts for transportation and interim storage of spent fuels and conditioned waste.

Industrial experience and on going developments.

Global- 5. Nuclear waste repository developments.

State of the art and prospects on repository designs of national and international projects for the final disposal of nuclear waste. Long term behaviour of waste and repositories. Novel concepts. Public acceptance issues.

Global- 6. Advanced technologies for fuel recycling including partitioning of specific radionuclides.

R&D on aqueous, pyrochemical and other reprocessing technologies for the recovery of recyclable nuclear material. Innovative fuel fabrication processes for the recycling of nuclear material.

Global- 7. Advances in reactor cores design and in-core fuel management.

Advanced reactor cores design and performances,

including optimization of safety features. New developments in Gen-III and Gen-IV reactors.

Global- 8. Transmutation systems for long lived radionuclides.

Reactor and fuel developments for transmutation, including ADS (Accelerator driven systems) or other innovative technologies such as molten salt reactors.

Global- 9. Developments in nuclear non proliferation technologies, policy and implementation.

Technologies to enhance resistance to proliferation of the nuclear fuel cycle. Institutional issues. International initiatives.

Global- 10. Sustainable fuel cycle options and nuclear material management.

Strategies for nuclear energy system developments: national and regional policies, international perspectives, scenario studies, system assessments (including integrated fuel cycle concepts).

Nuclear material supplies: perspectives on natural resources availability, surplus weapon grade material disposition and utilization. Thorium cycle.

Global- 11. Dismantling, Decommissioning, material and waste management.

Technical and economical issue in D&D. Material and waste management of D&D activities. Associated R&D.

Global-12. Crosscutting issues, policies and programs.

Safety aspects (international stakes, harmonization...). Non electrical applications of nuclear energy. Economical assessments. Education and training. Stakeholders' involvement. Environmental issues. Public communication. International cooperation.

Instructions

Information

DEADLINES

Abstract Submission:

Authors should submit a one-page 400 word abstract (text only) with name, affiliation, address, phone, fax and email information -

Upload your text at: www.sfen.fr

Paper Deadlines:

Abstract Due December 15, 2008

Draft Paper Due February 28, 2009

Review Notification ... April 15, 2009

Final Paper Due May 15, 2009

CONTACTS

For any requests about the Congress, contact:

Sylvie Delaplace (SFEN)

global2009@sfen.fr

Phone: +33 (0)1 53 58 32 16 - Fax: +33 (0)1 53 58 32 11

For Paper Submission:

Lynne Schreiber (INSPI)

global2009.papers@sfen.fr

Visit the Web Site to know more at: www.sfen.fr

GLOBAL 2009 INTERNATIONAL PROGRAM COMMITTEE

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Track Leaders:

1. Front end of the fuel cycle.

Georges Capus (AREVA NP) georges.capus@areva.com
Kazuhiro Suzuki (TEPCO) - Kyu Tae Kim (KNF) - James Tulenko (ANL) - Stephen L. Turner (Consultant)

2. Current spent nuclear fuel recycling.

François Drain (SGN) francois.drain@areva.com
Jean-pierre Bariteau (MELOX) - Dominique Warin (CEA) - Susumu Mukohara (JNFL) - Kee Chan Song (KAERI) - James Laidler (ANL)

3. Waste management technologies and strategies.

Jean-Guy Devezeaux (AREVA NP)
jean-guy.devezeauxdelavergne@areva.com
Reiko Fujita (TOSHIBA) - Joo Sang Lee (NETEC) - Stewart Leroy (DOE)

4. Concepts for transportation and interim storage of spent fuels and conditioned waste.

Michel Hartenstein (AREVA TN International)
michel.hartenstein@areva.com
Michel Debes (EDF) - Yukihide Mori (MHI) - Kwon Hoie Koo (KHNP) - Gail H Marcus (USA) - Terry A Todd (INL) - Alan Waltar (USA)

5. Nuclear waste repository developments.

Gérald Ouzounian (ANDRA) gerald.ouzounian@andra.fr
Tetsuo Fukasawa (HITACHI-GE) - Jong Won Choi (KAERI) - James Bresse (DOE)

6. Advanced technologies for fuel recycling including partitioning of specific radionuclides.

Bertrand Cartier (AREVA NP) bertrand.cartier@areva.com
Thierry Duquesnoy (AREVA NP) - Dominique Ochem (CEA) - Hideyuki Funasaka (JAEA) - Han Soo Lee (KAERI) - Allen Todd (INL) - Robert W Benedict (INL) - Michael J Lineberry (Idaho State U) - Buzz Savage (USA)

7. Advances in reactor cores design and in-core fuel management.

Claude Renault (CEA) claudio.renault@cea.fr
David Le Carpentier (EDF) - Yutaka Sagayama (JAEA) - Hyun Soo Park (KAERI) - Kyun S. Zee (KAERI) - Arkal Shenoy (GA)

8. Transmutation systems for long lived radionuclides.

Hubert Flocard (CNRS) flocard@csnsm.in2p3.fr
Marc Delpech (CEA) - Claude Garzenne (EDF) - Tadafumi Koyama (CRIEPI) - Dohee Hahn (KAERI) - Emory Collins (ORNL) - Dyck Gary (AECL)

9. Developments in nuclear non proliferation technologies, policy and implementation.

Dominique Grenêche (AREVA NC)
dominique.greneche@areva.com
Michel Masson (CEA) - Tadashi Inoue (CRIEPI) - Jung Won Lee (KAERI) - William Charlton (TAMU) - Benjamin J Cross (SRNL) - Tomas J Sanders (SNL) - Ned A Wogman (PNNL)

10. Sustainable fuel cycle options and nuclear material management.

Jean-Paul Grouiller (CEA) jean-paul.grouiller@cea.fr
Jean-Michel Delbecq (EDF) - Massimo Salvatores (CEA) - Toru Ogawa (JAEA) - Il Soon Hwang (SNU) - Mike Goff (INL) - Andrew Kadak (MIT) - Rob Versluis (DOE)

11. Dismantling, Decommissioning, material and waste management.

Jean-Guy Nokhamzon (CEA) jean-guy.nokhamzon@cea.fr
Jerry M Hopwood (AECL) - Hajimu Yamana (Kyoto U) - Jin Ho Park (KAERI) - Brian K Hajek (Ohio state U)

12. Crosscutting issues, policies and programs.

Bernard Bonin (CEA) bernard.bonin@cea.fr
Osamu Amano (CRIEPI) - Jae Joo Ha (KAERI) - Samim Anghaie (INSPI) - Phillip Finck (INL) - Charles Forsberg (MIT) - James Lake (USA)