

INTERNATIONAL MINISTERIAL CONFERENCE

BEIJING • 20 – 22 APRIL 2009



**Nuclear
Energy in
the 21st Century**

Addressing Energy Needs and Environmental Challenges

PROGRAMME

Organized by the



IAEA

International Atomic Energy Agency

Atoms For Peace

Hosted by the
Government of China



through the
China Atomic Energy Authority

In co-sponsorship with the
China Nuclear Energy Association



and the
OECD/Nuclear Energy Agency



Conference President: Li Yizhong
Minister
Ministry of Industry and
Information Technology

IAEA Secretariat:

Scientific Secretaries: R.I. Facer
M. Bermúdez-Samiei

Conference Organizers: K. Morrison
H. Schmid

Host Organization

Liaison Officer: Huang Wei, CAEA

Location of the Conference:

Beijing International Convention Center
Fourth Ring Road
No. 8 North Si Huan Zhong Road
Chaoyang District
Beijing 100101

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Website: www.bcghotel.com

Working Language: English. However,
simultaneous interpretation
will be provided for Arabic;
Chinese; English; French;
Russian; and Spanish during
the conference sessions.

Sunday, 19 April 2009

16:00-19:00 Registration

Monday, 20 April 2009

08:00 Registration & Coffee

09:30-10:30 **Opening Addresses**

Conference President

Li Yizhong, Minister, Ministry of Industry and Information Technology, China

Zhang Dejiang, Deputy Prime Minister, China

M. ElBaradei, Director General, IAEA

A. Gurría, Secretary General OECD

Qiufa Chen, Chairman, CAEA, China

10:30-12:30 **National Presentations**

12:30-14:30 Lunch

14:30-17:00 **Technical Session 1: Energy resources and the environment**

Moderator: L. Echávarri, OECD/NEA

R.K. Pachauri Intergovernmental Panel on
(by video) Climate Change (IPCC)

Li Ganjie China

O. Cakiroglu Turkey

N. Tanaka OECD/IEA

17:00-17:30 **National Presentations** (continued)

17:30 Reception

Tuesday, 21 April 2009

- 09:30-10:00 **National Presentations** (continued)
- 10:00-12:30 **Technical Session 2: Available technology and the long term perspectives**
- Moderator: R.W. Borchardt USA
- A. Kakodkar India
- J.V. Lolich Argentina
- P. Pradel France
- L. Echavárri OECD/NEA
- 12:30-14:30 Lunch
- 14:30-17:00 **Technical Session 3: Infrastructure development and safety and legal issues**
- Moderator: F.E. Osaisai Nigeria
- J. Zanelli Chile
- R.W. Borchardt USA
- N. Pelzer Germany
- K. Toukan Jordan
- 17:00-17:30 **National Presentations** (continued)
- 19:00 -20:30 8th International Exhibition on Nuclear Power Industry 2009
- Buses leave Convention Center after working supper at approx. 19:00 and return to Center at approx. 20:30*

Wednesday, 22 April 2009

- 09:30-10:00 **National Presentations** (continued)
- 10:00-12:30 **Technical Session 4: Reliable fuel supply, spent fuel, waste management and strengthening non-proliferation**
- Moderator: P. Pradel France
- Gu Zhongmao China
- B. Pellaud Switzerland
- V. Kutchinov Russian Federation
- S. Laarouchi Engström Sweden
- 12:30-14:30 Lunch
- 14:30-16:00 National Presentations
- 16:00 Final Discussion
- 16:30 Final Presentation by the President of the Conference, Li Yizhong, Minister, Ministry of Industry and Information Technology
- 17:00 Close of Conference

(Timings subject to change)

Outline of Each Technical Session

issues expected to be addressed and possible brief for speakers

Technical Session 1:

☐ Energy resources and the environment

This will allow for a discussion on climate change impacts, the potential role of nuclear power and options for sustainable energy mixes in different national conditions. It will include discussion on energy, social, economical, environmental and development issues, and the potential role of nuclear energy.

Technical Session 2:

☐ Available technology and the long term perspectives

What technology is available now and is expected to be available in the near future, and what are the long term perspectives. This will include discussion of current designs, the availability of manufacturing facilities, potential technical impediments to expansion programmes, improving safety levels in new designs, the future availability and potential role of different reactor designs. The latter could also include a discussion of the use of nuclear energy for non electricity producing applications such as desalination or process heat. The discussion will also address safety, security and safeguards requirements associated with the increasing use of nuclear energy, including technological and institutional issues and solutions.

Technical Session 3:

❑ Infrastructure development and the long term perspectives

This will provide an opportunity to discuss the range of infrastructure challenges that countries considering introducing nuclear power may face, and the options available to meet these challenges. Considerations of the implications of infrastructure development for achieving safety and regulatory objectives will also be discussed. The legal issues associated with preparing for a nuclear energy programme will also be addressed.

Technical Session 4:

❑ Reliable fuel supply, spent fuel and waste management.

This will provide for discussions on the security of energy supply in general, addressing current and future trends in the availability of nuclear fuel, including the security of nuclear fuel supply. This topic will also allow for discussions about options to reduce the spread of spent fuel and waste storage facilities. The role of national and international organizations and of industry in supporting nuclear energy development will also be discussed.

PARTICIPATION IN IAEA SCIENTIFIC MEETINGS

Governments of Member States and those organizations whose activities are relevant to the meeting subject matter are invited to designate participants in IAEA scientific conferences and symposia. In addition, the IAEA itself may invite a limited number of scientists as invited speakers. Only participants designated or invited in this way are entitled to present papers and take part in the discussions.

Representatives of the press, radio, television or other information media and members of the public, the latter as "observers", may also be authorized to attend, but without the right to take part in the proceedings.

Scientists interested in participating in any of the IAEA meetings should request information from the Government authorities of their own countries, in most cases the Ministry of Foreign Affairs or national atomic energy authority.

PUBLICATIONS

Proceedings

The proceedings of the conference, containing the opening addresses, Ministerial statements, technical presentations, and the subsequent discussions, will be published on CD ROM by the IAEA as soon as possible after the conference.

IAEA Publications

All IAEA publications may be ordered at the Conference Desk or directly from the Sales and Promotion Unit, International Atomic Energy Agency, P.O. Box 100, A-1400 Vienna, Austria.

Fax: (+43 1) 2600-29302

Email: sales.publications@iaea.org

Internet:

<http://www-pub.iaea.org/MTCD/publications/publications.asp>

IAEA PUBLICATIONS RELATED TO THE SUBJECT OF THE CONFERENCE

NE-BP	Nuclear Energy Basic Principles, IAEA Nuclear Energy Series No. NE- BP (2009)	2009
NG-G-3.1	Milestones in the Development of a National Infrastructure for Nuclear Power IAEA Nuclear Energy Series	2007
STI/PUB/1160	Handbook of Nuclear Law, IAEA, Vienna	2006
SF-1	Fundamental Safety Principles, IAEA Safety Standards	2006
Brochure	International Status and Prospects of Nuclear Power, IAEA, Vienna	2008

**FORTHCOMING SCIENTIFIC MEETINGS SCHEDULED BY
THE IAEA IN:**

2009

International Conference on Advances in Radiation Oncology
(ICARO)

27-29 April, Vienna, Austria

9th International Topical Meeting on Nuclear Research
Applications and Utilization of Accelerators

4-8 May, Vienna, Austria

International Conference on Remediation of Land Contaminated
by Radioactive Material/Residues

18-22 May, Astana, Kazakhstan

FAO/IAEA International Symposium on Sustainable Improvement
of Animal Production and Health

8-11 June, Vienna, Austria

International Symposium on Uranium Raw Material for the
Nuclear Fuel Cycle: Exploration, Mining, Production, Supply and
Demand, Economics and Environmental Issues (URAM-2009)

22-26 June, Vienna, Austria

International Conference on Opportunities and Challenges for
Water Cooled Nuclear Power Plants in the 21st Century

27-30 October, Vienna, Austria

International Conference on Fast Reactors and Related Fuel
Cycles - Challenges and Opportunities

7-11 December, Kyoto, Japan

International Conference on Effective Nuclear Regulatory
Systems

14-18 December, Cape Town, South Africa

2010

International Conference on Human Resource Development for
Introducing and Expanding Nuclear Power Programmes
14-18 March, Abu Dhabi, United Arab Emirates

International Conference on Management of Spent Fuel from
Nuclear Power Reactors
31 May-4 June, Vienna, Austria

International Conference on Operational Safety Experience and
Performance of Nuclear Power Plants and Fuel Cycle Facilities
21-25 June, Vienna

23rd IAEA Fusion Energy Conference
11-16 October, Daejeon, Republic of Korea

Int'l Conference on Challenges Faced by Technical and Scientific
Support Organizations (TSO) in Enhancing Nuclear Safety and
Security
25-29 October, Tokyo, Japan

Symposium on International Safeguards: Preparing for Future
Verification Challenges
1-5 November, Vienna, Austria

Int'l Symposium on Standards, Applications and Quality
Assurance in Medical Radiation Dosimetry
9-12 November, Vienna, Austria

NOTES

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