

“For nuclear power to be sustainable as a global source of emissions-free energy, it is essential that the nuclear fuel cycle also remains sustainable. To achieve this goal would require continued innovation in both technology and policy.”

M. ElBaradei, Director General, IAEA

For further information and on-line registration please see the IAEA website:
<http://www-pub.iaea.org/MTCD/Meetings/Meetings.asp>

International Atomic Energy Agency:

P.O. Box 100
Wagramer Strasse 5
A-1400 Vienna, Austria
Telephone: +43 1 2600-0
Telefax: +43 1 26007



Scientific Forum

during the 48th Regular Session of the
IAEA General Conference
Conference Room C, Austria Center, Vienna
21-22 September 2004

Nuclear Fuel Cycle Issues and Challenges

Chairman: B. Bigot

Session 1: Advanced Fuel Cycles and Reactor Concepts
Tuesday, 21 September 2004, 10:00 a.m.

Session 2: Waste and Spent Fuel Management Issues
Tuesday, 21 September 2004, 3:00 p.m.

Session 3: Research Reactor Fuel Cycle and Related Issues
Wednesday, 22 September 2004, 10:00 a.m.

More information available at:
<http://www-pub.iaea.org/MTCD/Meetings/Meetings.asp>

Session 1:

Advanced Fuel Cycles and Reactor Concepts

Tuesday, 21 September 2004, 10:00 a.m.

Moderator: A. Kakodkar

Keynote Speakers:

- R.T.H. Mayson; Key Issues in Fuel Cycle Options
- R. Cirimello; Achievements and Prospects for Advanced Reactor Design and Fuel Cycle
- Y. Akimoto; Holistic Consideration of Fuel Cycle Systems for Sustainable Development
- A. Kakodkar; Key Issues requiring Research and Development Programmes

Panellists: above mentioned participants,
R. Bennett, I. S. Chang

Session 2:

Waste and Spent Fuel Management Issues

Tuesday, 21 September 2004, 3:00 p.m.

Moderator: L. Shephard

Keynote Speakers:

- P. Bernard; Advances in Treatment of Wastes from Reprocessing of Spent Fuel: Transmutation, Solidification
- A. Majorshin; Advances in Reprocessing of Spent Fuel: Partitioning
- L. Shephard; Spent Nuclear Fuel Management

Panellists: above mentioned participants,
E. Dowdeswell, V. Ryhanen, C. Zhu, J. Maiorino

Session 3:

Research Reactor Fuel Cycle and Related Issues

Wednesday, 22 September 2004, 10:00 a.m.

Moderator: S.K. Sharma

Keynote Speakers:

- A. Travelli; Fuel Issues: Replacement of HEU (Conversion of Research Reactors, High Density Fuel Development, Repatriation of Fuel)
- C. Piani; Research Reactor Utilization: A Justification for Existence?
- S. Tózsér; Spent Fuel Management: Semi-dry Storage
- R. Lockwood; Research Reactor Decommissioning

Panellists: above mentioned participants,
N. Arkhangelski, H. Boeck, I. Smith

