

International Workshop for Asian Nuclear Prospect

(4th RRTD International Workshop)

- Contemplating the Global Impact of Increased Nuclear Power in Asia -

October 19-22, 2008

Kobe, Japan

(Joint meeting with Molten Salt 8)

Sponsored by

Atomic Energy Society of Japan, Reprocessing and Recycle Technology Div. (RRTD)

Co-sponsors

China Nuclear Society

Indian Nuclear Society

Korea Nuclear Society

American Nuclear Society, Fuel Cycle and Waste Management Div.

European Nuclear Society

French Nuclear Society

Sponsorship:

Kansai Electric Power Company

Support

Kansai Atomic Energy Conference

Atomic Energy Society of Japan, Kansai Office

Conference Scope

The unprecedented economic expansion of Asia, such as large population country of China and India, causes the rapid increase of energy demand. It already impacts energy markets, raising the cost of oil, coal and natural gas. This is resulting, in part, on an increase of reliance on nuclear power.

Atomic Energy Society of Japan would like to identify and discuss the intrinsic issues of increased nuclear energy generation in Asia. It includes an increase of spent nuclear fuel storage, rising of uranium prices, public acceptance of spent fuel reprocessing and repository of high level waste, technical and political concerns in proliferation resistance, holding of qualified engineers and their training organizations. The International Workshop for Asian Nuclear Prospect begins a dialogue on these important issues and expects to continue and deepen during the next GLOBAL 2009 to be held in Paris.

1. Program

Sunday 19 October

16:00-18:00 Registration (Kobe Port-island Nichii-gakkan)

16:30-18:00 Pre-meeting for the confirmation of program, speaker and panel

18:00-19:30 Welcome Reception

Monday 20 October

8:30-17:30 Registration (Kobe Port-island Nichii-gakkan)

9:30- 9:45 Joint Opening Address, Shigehito Deki, Molten Salt 8 (MS8) President

9:45-10:00 Sponsors Address, Yonezo Tsujikura, AESJ Vice President

10:00-11:10 Keynote Lecture, Dr. K. Michael Goff (INL)

“Treatment of Spent Nuclear Fuel with Molten Salts”

Chair: Satoru Tanaka (Tokyo Univ., RRTD Chair)

11:10-12:00 Workshop start, Poster Session

Poster Theme

(1) SF storage, disposal and reduction, MA recycle, etc.

(2) Activities to obtain social reliability and international understandings

(3) How to develop and maintain technologies and engineers for SF management

12:00-13:00 Lunch (Lunch Box)

13:00-15:00 Plenary 1 “Nuclear Prospect in Asia”

Co-Chairs: Tadashi Inoue (CRIEPI) and P.R.Vasudeva Rao (IGCAR)

Scope and aim of the International Workshop, Osamu Amano

Presentation Theme

(1) Energy plan for 2050 or longer term

(2) Ideas for uranium and spent fuels management to achieve the energy plan

Speaker (30 min. each including Q&A)

Jin Mok Hur (Korea) ---Spent Fuel Storage Status and Future Management in Korea

Jianchen Wang (China) ---Prospects for Spent Fuel Management of China in the Future

Baldev Raj (India) ---A Perspective on Nuclear Prospects in India

Satoru Tanaka (Japan) ---Perspectives of Nuclear Fuel Cycle in Japan and Possible Roles in Asian Area

15:00-15:30 Coffee Break

15:30-17:30 Plenary 2 “Nuclear Prospect in Europe and in US”

Co-Chairs: Toru Ogawa (JAEA) and K. Michael Goff (INL)

Presentation Theme

- (1) Energy plan for 2050 or longer term
- (2) Ideas for uranium and spent fuels management to achieve the energy plan
- (3) International interaction and collaboration

Speaker (30 min. each including Q&A)

Alexander V. Bychkov (Russia) ---On Strategy of Nuclear Energy Development in Russia

Pierre-Yves Cordier (France) ---Nuclear Energy in France: Status, prospects and R&D strategy

Eric Mendes (EU) ---Fuel cycle R&D in EU

K. Michael Goff (US) ---Prospect for Nuclear Energy

18:30-20:30 Banquet @ Kobe Portopia Hotel

Tuesday 21 October

8:30-15:00 Registration (Kobe Port-island Nichii-gakkan)

9:00-11:45 Panel Discussion

Panel Theme

- (1) Recovered Pu, U, MA and non-proliferation
- (2) Role of government, society, institute, university, utility, private company
- (3) Each country's status of industry, institute, university, society

Co-Chairs: Hajimu Yamana (Kyoto Univ.) and Baldev. Raj (IGCAR)

Panelist (Each 5 min. presentation about the panel theme and the discussions)

Pierre-Yves Cordier (France)

K. Michael Goff (US)

Alexander V. Bychkov (Russia)

P.R.Vasudeva Rao (IGCAR, India)

Jianchen Wang (Tsinghua Univ., China)

Jin Mok Hur (KAERI, Korea)

Shigeo Nomura (JAEA, Japan)

(10:30 Coffee Break)

11:45-13:00 Poster Session (continued)

12:00-13:00 Lunch (Lunch Box)

13:00-15:00 Technical Session 1 (20 min. each including Q&A)

Main Theme: Cycle technology development to enhance nuclear renaissance

Co-Chairs: Yasuhisa Ikeda (TITech) and Eric Mendes (EU)

P.R.Vasudeva Rao (India) ---R&D for Fast Reactor Fuel Cycle at IGCAR

Susumu Mukohara (JNFL) --- The Present Status of JNFL Facilities in Rokkasho

Tetsuya Watanabe (JNFL) --- Development of Nitrogen Oxide Closed System in the Future Reprocessing Process

Naoki Surugaya (JAEA) --- Experience of personnel training for chemical analysis engineers in the Tokai reprocessing plant

Toshinobu Sasa (JAEA) ---Partitioning and Transmutation Studies at JAEA

15:00-15:30 Coffee Break

15:30-17:30 Technical Session 2 (20 min. each including Q&A)

Main Theme: Cycle technology development to enhance nuclear renaissance

Co-Chairs: Hirotake Moriyama (Kyoto Univ.) and Jianchen Wang (Tsinghua Univ.)?

Alexander V. Bychkov (Russia) ---Current Status of Development in Dry Pyroelectrochemical Technology of Spent Nuclear Fuel Reprocessing

Koichi Uozumi (CRIEPI) ---Demonstration of pyropartitioning technology by denitration and chlorination experiment using real high-level liquid waste

Jor-Shan Choi (Univ. Tokyo) ---Technical Cooperation on Spent Fuel Storage in Asia

Toshihiro Yamamoto (JAEA) ---Education and Training Activities for Asian Countries at JAEA Nuclear Technology and Education Center

17:30-18:00 Closing Session

- Poster Prize, Satoru Tanaka (RRTD Chair, Univ. Tokyo)
- Announcement of GLOBAL 2009, from France
- Summarizing the WS and Closing Remarks, Tadashi Inoue (RRTD Vice Chair)

<< End of the International Workshop >>

Wednesday 22 October

9:30-11:30 Informal Meeting

Information exchange between foreign guests and RRTD Committee members

- (1) Each country's status of industry, institute, university, society
- (2) Activities for enhancing nuclear renaissance
- (3) Competition, cooperation and culture exchange in Asia and in the world –

Safety, Nonproliferation, Education & Training, Basic Common Technology Development

(4) Advises to each government (“Toyako Summit” and future prospect)

(5) How to continue this informal information exchange meeting

Co-Chairs: Satoru Tanaka (RRTD Chair) and P.R. Vasudeva Rao (IGCAR)

11:30-13:00 Lunch, End of the Informal Meeting

Poster Prize (Best Excellent Prize: 1, Excellent Prize: 2)

(Judge: S. Tanaka, US, France, Russia, China, India, Korea)

(Prize to be prepared by RRTD and to be recorded in RRTD HP)

2. Registration

Registration Fee (including CDR, Welcome Reception and Banquet)

AESJ member: ¥25,000, Non-member: ¥30,000, Senior member: ¥15,000, Student: free (Banquet: ¥5,000)

Hotel: each person's responsibility

Contact person: Yukihide Mori (MHI), yukihide_mori@mhi.co.jp

Dead line: Friday 19 September, 2008

3. Call for Papers

Theme for technical (oral) and poster presentations

1. Each country's and institute's nuclear power generation and fuel cycle plans
2. Nuclear power plant construction technologies (EPR, ABWR, APWR, etc.)
3. SF management technologies (storage, disposal, reduction, MA recycle, etc.)
4. Current and future technologies (core and surrounding technologies)
5. Technology transfer to next generation, fostering young generation
- 1 . 6. Activities of each country's societies and universities

Submission: Send the title, author, affiliation, oral/poster selection and 100 words abstract to the person below

Summary: A4 size 1 page with the title, authors and affiliation (MS-Word File)

Contact person: Kazuya Yamada (Toshiba), kazuya.yamada@toshiba.co.jp

Submission limit (with title, author, oral/poster selection, 100 words abstract):

Wednesday 6 August, 2008

Summary limit: Tuesday 30 September, 2008

Presentation time: 20 min. (including Q&A)

Poster size: A0 (84 cm W – 119cm H))