

NUPYRO 2003

Korea-Japan Workshop on Nuclear Pyroprocessing

October 23-24, 2003
Seoul National University



Background and Scope

Pyrochemical technologies have received more attentions due to its potential advantages in processing spent nuclear fuels. The role of pyro-processing becomes more and more important for the advancement of the fuel reprocessing, as well as for the development of nuclear waste transmutation technology. Japan and Korea, under their domestic circumstances, have been exploring the future nuclear power utilization system. The role of pyro-processing in their programs is important, and thus various R&D's and theoretical calculations have been carried out.

In this context, exchanging informations between two countries about pyro-processing technology is believed to strengthen the basis of pyro-processing development at the far eastern Asia, and to be beneficial for both countries. The organizers plan to hold the 2nd workshop on pyro-processing between Japan and Korea to promote understanding on this technology and to stimulate their own development activities.

In this workshop, various technological studies, development programs, results of experiments and theoretical studies, role and position of pyrochemical technologies, and other related subjects would be frankly discussed with limited participants from Japan and Korea.

Workshop Organization

Organized and sponsored by

NUclear Transmutation Energy REsearch Center of Korea (NUTRECK), Korea
Research Reactor Institute, Kyoto University, Japan
Core University Program, Subtask CR 4-1

Under the auspices of

Radioactive Waste Management Technology Division, Korea Nuclear Society
(KNS); Div. Chairman: Myung Jae Song (NETEC)
Korean Radioactive Waste Society (KRS); Chairman: Kun Jai Lee (KAIST)
Reprocessing and Recycle Technology Division, Atomic Energy Society of Japan
(AESJ); Div. Chairman: Tetsuo Takeuchi

Program coordinated by

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Program coordination advisers

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Jae Hyung Yoo (Korea Atomic Energy Research Institute)
Japan: Hirotake Moriyama (Kyoto University)
Tadashi Inoue (CRIEPI)

Workshop Schedule

October 23 (Thu): Technical Sessions, Official banquet
October 24 (Fri): Technical Sessions

Workshop Locations

S.N.U. Hoam Faculty House
Seoul National University, Kwanak Campus
<http://www.hoam.ac.kr>

Accommodation

S.N.U. Hoam Faculty House provides its comfortable dormitory for the participants of the workshop at a reasonable rate.

<http://www.hoam.ac.kr>

Technical Subjects

- Advanced Fuel Cycle Initiative (AFCI) vision and goals
- Advanced reactor and fuel cycle concepts
- R&D programs on dry separations for the future nuclear system
- Role and requirements of pyrochemical separations
- Basic chemistry and physics related to pyrochemical processing
- Process simulation, process design and equipment design
- Application of various processing technologies to the research reactor spent fuel and radioactive wastes
- Radioactive wastes and spent fuel management

All non-aqueous processing technologies, such as molten salt process, molten salt-liquid metal two-phase extraction process, vaporization process are covered by this workshop.

Proceedings and Abstract

- Submission of a brief summary paper of two or three pages, with some representative figures and tables, will be requested.
- A brief abstract of the paper is requested in advance.

Registration Fee

The full registration fee including admission to all technical sessions, abstract booklet and symposium proceeding is to be announced.

Important Dates

- First announcement and call for abstract: Mid Aug., 2003
- Abstract deadline: Mid Sept., 2003
- Registration by E-mail: will start on Sept. 1, 2003
- Final technical program announcement: Sept. 15, 2003
- Manuscript deadline: Sept. 30, 2003

Information for Presentation

The allocated time is 30 minutes for a contributed paper and 50 minutes for an invited paper, including 10 minutes for discussion. Overhead projector for A4 or US letter size transparencies is provided for the presentation. Electronic PC-based projector is also available on request. Those people who have requested the computer projection should submit their media in the registration desk by the morning of the scheduled presentation day. The presentation software should be Microsoft Power Point for Windows. The medium is limited to be a 650MB-CD/R.

Contact Point and Information

All the registration procedures will be done by E-mail. Please access to the following contact persons for any detailed information, registration, and paper submission.

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