

1st Seminar on Development of HTGR Technology for Cogeneration and Heat Applications

Organized by
Japan Atomic Energy Agency
National Centre for Nuclear Research (PL)
in cooperation with
Ministry of Education, Culture, Sports, Science and Technology (JP)
Ministry of Energy (PL)

Venue: Ministry of Energy, Warsaw, Wspólna 6, hall 116 (Sala Kolumnowa)

Monday, 28 January 2019

Chair: Grzegorz Wrochna, NCBJ, Poland

8:30-9:00 **Registration**

Opening Ceremony

9:00-9:30

- a) Józef Sobolewski, Director of Nuclear Energy Department, Ministry of Energy, Poland
- b) Hiroshi Masuko, Deputy Director-General, Ministry of Education, Culture, Sports Science and Technology
- c) Takaaki Kotani, Oarai Town Mayer, Japan
- d) Krzysztof Kurek, Director of National Centre for Nuclear Research, Poland
- e) Signing Ceremony for "Agreement on Academic Exchange between National Centre for Nuclear Research and School of Engineering, the University of Tokyo"

9:30-9:50 Coffee Break / Official Photo

Plenary Session

Policy of Nuclear energy development

- 9:50-10:20 Polish Nuclear Energy Program (Dr. Sobolewski, ME)
- 10:20-10:45 HTGR Deployment Plan in Poland (Prof. Wrochna, NCBJ)
- 10:45-11:15 Japanese Nuclear Energy Policy and human resource development (Prof. Okamoto, UoT) [1.3]

Technical Session

Outline of HTGR

- 11:15-12:00 Basic features of HTGR (Dr. Kunitomi, JAEA, Prof. Okamoto, UoT) [2.1]

12:00-13:00 Lunch Break

- 13:00-13:30 Worldwide HTGR Development (Dr. Ohashi, JAEA, Dr. Inaba, JAEA) [2.3]

Process of Nuclear Plant Construction

- 13:30-14:30 Construction Process of Nuclear Plant (Mr. Noda, Toshiba) [4]

Tuesday 29 January 2019

Chair: Etsuo Ishitsuka, JAEA, Japan

Outline of HTGR

- 9:00-9:40 History of HTGR (Dr. Ohashi, JAEA) [2.2]
9:40-10:20 Detailed features of HTGR (Dr. Ohashi, JAEA) [2.4]

10:20-10:40 Coffee Break

Japanese HTGR project

- 10:40-11:40 Construction, Component and Operation Experience of HTTR (Dr. Ishitsuka, JAEA) [3]

HTGR technology

- 11:40-12:20 TRISO Fuel and Graphite (Dr. Sumita, JAEA) [5]

12:20-13:20 Lunch Break

Design

- 13:20-14:10 Safety Design and Safety Analysis (Dr. Ohashi, JAEA) [6.1]
14:10-15:00 Nuclear and Thermal Design (Dr. Goto, JAEA) [6.2]
Backend (Dr. Goto, JAEA) [6.2]

15:00-15:20 Coffee Break

Outline of HTGR

- 15:20-15:40 Japan's HTGR Development (Dr. Kunitomi, JAEA) [2.5]

15:40-16:00 Closing

- a) NCBJ (Prof. Wrochna, NCBJ)
- b) JAEA (Dr. Kunitomi, JAEA)

PRINTED SLIDES:

- [1.3] Japanese Nuclear Energy Policy & Human Resource Development
- [2.1] Basic features of HTGR
- [2.2] History of HTGR
- [2.3] Worldwide HTGR Development
- [2.4] Detailed features of HTGR
- [2.5] Japan's HTGR development
- [3] Construction, Components and Operation experience of HTTR
- [4] Construction Process of Nuclear Plant
- [5] HTGR technology, fuel and material
- [6.1] Safety design
- [6.2] Nuclear and Thermal Design, Backend