

1ST SEMINAR ON
DEVELOPMENT OF HTGR TECHNOLOGY
FOR COGENERATION AND HEAT APPLICATIONS

MONDAY, 28 JANUARY 2019

8:30–9:00 **REGISTRATION**

OPENING CEREMONY

9:00-9:30 Representative of Ministry of Energy, Poland (TBD), Representative of Ministry of Education, Culture, Sports Science and Technology, Japan (TBD), Oarai Town Mayer, Japan (Mr. Kotani) - **Signing Ceremony for “Agreement on Academic Exchange between National Centre for Nuclear Research and School of Engineering, the University of Tokyo”**

(1) POLICY OF NUCLEAR ENERGY DEVELOPMENT

9:30-10:00 Polish Nuclear Energy Program (Dr. Sobolewski, MOE)

10:00-10:30 HTGR Deployment Plan in Poland (Prof. Wrochna, NCBJ)

10:30-11:00 Japanese Nuclear Energy Policy and Human Resource Development (Prof. Okamoto, UoT)

11:00-11:45 HTGR development in Japan and International collaboration (Dr. Kunitomi, JAEA)

11:45-13:00 **LUNCH BREAK**

(2) JAPANESE HTGR PROJECT

13:00-13:30 Research and development for the first HTGR in Japan (Dr. Ohashi, JAEA)

13:30-14:30 Construction, component and operation experience of HTTR (Dr. Ishizuka, JAEA)

14:30-14:50 **COFFEE BREAK**

(3) PROCESS OF NUCLEAR PLANT CONSTRUCTION

14:50-15:50 Construction Process of HTGR (Mr. Noda, Toshiba)

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(4) HTGR TECHNOLOGY

9:00-10:20

- TRISO Fuel (Dr. Sumita, JAEA)
- Graphite (Dr. Sumita, JAEA)
- Heat resistant metal (Dr. Sumita, JAEA)

10:20-10:40 COFFEE BREAK

(5) CODE AND STANDARD

10:40-11:30

- Safety standard (Dr. Ohashi, JAEA)
- Design Code (Dr. Sumita, JAEA)

11:30-13:00 LUNCH BREAK

(6) DESIGN AND ANALYSIS PART I

13:00-14:30

- Introduction (Dr. Ohashi, JAEA)
- Safety Design (Dr. Ohashi, JAEA)
- Nuclear Design (Dr. Goto, JAEA)
- Thermal Design (Dr. Goto, JAEA)
- Fuel Design (Dr. Goto, JAEA)

14:30-14:50 COFFEE BREAK

(7) DESIGN AND ANALYSIS PART II

14:50-16:10

- Plant Design (Dr. Ohashi, JAEA)
- Safety Analysis (Dr. Ohashi, JAEA)
- Safety Consideration for Cogeneration Applications (Dr. Ohashi, JAEA)
- Backend (Dr. Goto, JAEA)

16:10-16:20 CLOSING

- a) NCBJ (TBD)
- b) JAEA (TBD)