

2nd 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: National Centre for Nuclear Research, Otwock-Świerk, A. Sołtana 7, hall 207 (EWA)

Thursday, 11 July 2019

Chair: Wrochna (NCBJ), Tachibana (JAEA)

8:30-9:00 Registration

9:00-9:20 Opening Ceremony

- A) Japan (TBD, Embassy of Japan)
- B) Poland (TBD, Ministry of Energy)
- C) Japan (TBD, MEXT)

9:20-9:40 Plenary Session

- Present status of Polish HTGR Development Plan TBD (NCBJ)
- Briefing of HTGR Seminar in Poland Dr. Kunitomi

9:40-10:00 Coffee Break/Official Photo

10:00-12:00 Technical Session - HTGR licensing process

- HTGR safety requirements Dr. Ohashi
- Experience with HTTR licensing (incl. HTGR licensing process) TBD

12:00-13:00 Lunch

13:00-16:00 Technical Session - HTGR Technology and Design

- Core design (incl. HTTR-First criticality experiment, Instrumentation and measurement in the HTTR core, Models and tools) Dr. Goto
- Components design (incl. Containment/confinement and reactor cavity cooling system, Management of thermal stress and expansions, Helium management, Refueling equipment and procedures) Mr. Tachibana
- Safety analysis Dr. Ohashi

Friday, 12 July 2019

Chair: Wrochna (NCBJ), Tachibana (JAEA)

- 9:00-12:00 Technical Session - Materials for HTRGs
- Graphite (incl. Irradiated and non-irradiated test (methods, samples, conditions), Mechanical and structural properties, Radiation resistance) Dr. Sumita
 - Metallic Material (incl. Mechanical and structural properties) Mr. Tachibana
 - Fuel (incl. Fabrication technology, Irradiated and non-irradiated properties) Dr. Sumita
- 12:00-13:00 Lunch
- 13:00-15:00 Technical Session – Special Issue
- Fukushima Accident TBD
 - Advanced Reactor Technology TBD (Toshiba)
- 15:00-15:20 Closing