

Workshop on Energy Program

* **Date:** 9:30 - 18:30, May 13 (Thu), 2004

* **Place:** Center for Promotion of Computational Science and Engineering, JAERI, Tokyo, Japan

*Program

- Chairperson: Y. Yamaguchi (Tokyo Univ.)
- 9:30-9:35 Welcome Address Y. Nagai (Osaka Univ.)
- ◆ **Overview of Energy Problem in the World, China and Japan**
- 9:35-10:05 * Introductory Talk: K. Heinloth (Bonn)
- 10:05-10:35 * The Energy Problem of China Huo Yuping (China)
- 10:35-11:15 * Energy Demand and Supply in Japan K. Yamaji (Univ. Tokyo)
- 11:15-11:30 Break
- ◆ **Research and Development of New Energy** Chairperson: T. Shibata (KEK)
- 11:30-12:00 * RD&D of Fuel Cell Technology H. Ishitani (Keio Univ.)
- 12:00-12:30 * Recent Development on Low Cost and High Efficiency Photovoltaic System for GW Power Generation M. Kondo (AIST)
- 12:30-13:30 Lunch Break
- ◆ **Research and Development of Fusion Energy** Chairperson: M. Inoue (Ritsumeikan Univ.)
- 13:30-14:00 * Perspective of and Strategy for Fusion Energy Development with Tokamak Systems M. Seki (JAERI)
- 14:00-14:30 * Recent Developments on Large Helical Device and International Activity of Helical System Research S. Sudo (NIFS)
- 14:30-15:00 * Research on Laser Fusion and Related Peta Watt Laser Plasma in Japan K. Mima (Osaka Univ.)
- 15:00-15:30 * Muon Catalyzed Fusion and New Fusion Energy Research K. Nagamine (KEK)
- 15:30-15:45 Break
- ◆ **Prospect of Accelerator Driven System (ADS):** Chairperson: Y. Kiyonagi (Hokaido Univ.)
- 15:45-16:15 * Transmutation of Radioactive Waste by Accelerator Driven Subcritical System H. Oigawa (JAERI)
- ◆ **Hydrogen Production, Storage and Transportation:** Chairperson: M. Inutake (Tohoku Univ.)
- 16:15-16:45 * Research and Development on Hydrogen Production with HTTR M. Ogawa (JAERI)
- 16:45-17:15 * Hydrogen Storage for Energy Applications S. Orimo (Tohoku Univ.)
- 17:15-17:45 * Robust Electric Energy Network System using Superconductivity and Liquid Hydrogen T. Hamajima (Tohoku Univ.)
- ◆ **Possible Role of Physics for the Current and Future Energy Problem:**
- Chairperson: K. Heinloth (Bonn Univ.)
- 17:45-18:30 * Free Discussion:
- ◆ **Concluding Remark:** S. Nagamiya (KEK)

JAERI: Japan Atomic Energy Research Institute
KEK: High Energy Accelerator Research Organization
AIST: National Institute of Advanced Industrial Science and Technology
NIFS: National Institute for Fusion Science