

別紙 2 セミナープログラム

**17<sup>th</sup> Summer Seminar on Fusion Reactor Technology**

**Organized by Fusion Engineering Division, Atomic Energy Society of Japan and  
Atomic Beam Application and Fusion Technology Committee, Korean Nuclear  
Society**

**Supported by The Japan Society of Plasma Science and Nuclear Fusion Research,  
Division of Plasma Physics, Korean Physical Society,  
Korea Accelerator and Plasma Research Association  
Japan Institute of Metals and  
Nuclear Material Division, Atomic Energy Society of Japan**

**July 30<sup>th</sup> - August 1<sup>st</sup>, 2001**

**Room 501, Building 301, College of Engineering,  
Seoul National University, Seoul, Korea**

**Theme ‘Scientific interaction between Korean and Japanese young fusion  
researchers’**

Recently the great progress of fusion research has been made in the world, and the scientific and technological basis are being constructed for next step toward development of nuclear fusion reactor as a future energy source. It is recognized that the education of students and young scientists of fusion engineering and science is quite important for future promotion of fusion research. Furthermore, the recent internationalization of fusion research demands for both the scientific and social interaction among young generation of researchers in the world. In this summer, the 17<sup>th</sup> summer seminar on fusion reactor technology will be held at Seoul National University, Korea, where the leading scientists of Korea and Japan will give lectures on advanced fusion research to the Korean and Japanese young scientists and students to promote fusion science and engineering in both the countries.

*Program*

**July 30<sup>th</sup> (Monday)**

8:15	Registration (Room 501, Bldg 301, College of Engineering)	
<b>Opening</b>		<b>Chairman: A. Kimura (Kyoto Univ.)</b>
9:00	Opening Remarks	Akira Kohyama (Kyoto Univ.)
	Welcome Address	Sang Hee Hong (Seoul National Univ.) Gyung-Su Lee (KBSI)

**Session 1: Invited Lectures** **Chairman: K. Yoshikawa (Kyoto Univ.)**

- 9:45-10:15 Strategy of Fusion Research in Korea  
Gyung-Su Lee (KBSI)
- 10:15-10:45 An Effort for Systematization of Fusion Nuclear Technology  
Kenzo Miya (Keio University)
- 10:45-11:00 (Coffee Break)

**Session 2: Fusion Fundamentals** **Chairman: M. Seki (JAERI)**

- 11:00-11:30 Introduction to Physics of Magnetic Fusion  
Masahiro Wakatani (Kyoto Univ.)
- 11:30-12:00 Integrated Plasma Control  
Yong-Seok Hwang (Seoul National Univ.)
- 12:00-12:30 Overview and Importance of Fusion Engineering  
Satoru Tanaka (Univ. of Tokyo)
- 12:30-14:00 (Lunch)

**Session 3: Frontiers of Fusion Research** **Chairman: M. Nishikawa (Osaka Univ.)**

- 14:00-14:30 Overview of ITER Project  
Masahiro Seki (JAERI)
- 14:30-15:00 Korea Superconducting Tokamak Advanced Research Project  
Myeon Kwon (KBSI)
- 15:00-15:20 (Coffee Break)
- Chairman: T. Hino (Hokkaido Univ.)**
- 15:20-15:50 Present Status of Inertial Fusion Energy (IFE) Research  
Kunioki Mima (Osaka Univ.)
- 15:50-16:20 Progress in the LHD Project - Superconducting Large Helical Device -  
Nobuaki Noda (NIFS)

**Reception**

18:00-20:00 in the Professors' Hall at Faculty Club in SNU

**July 31<sup>st</sup> (Tuesday)**

**Session 4: Current Status and Future Plans of Fusion Technology R&D**

- Chairman: S. Tanaka (Univ. of Tokyo)**
- 9:00-9:30 Plasma Material Interactions in Fusion Devices  
Tomoaki Hino (Hokkaido Univ.)
- 9:30-10:00 Heat Capture and Removal in High Heat and Particle Loading  
Masahiro Nishikawa (Osaka Univ.)
- 10:00-10:30 Tritium in Fusion Reactor  
Masabumi Nishikawa (Kyushu Univ.)
- 10:30-10:50 (Coffee Break)
- Chairman: N. Noda (NIFS)**
- 10:50-11:20 Materials System Integration for Fusion Reactors  
Katsunori Abe (Tohoku Univ.)

