Monday, February 5, 2007 (Uji Campus)

9:30 – 9:50  K. Yoshikawa: Opening address and topics on land-mines detection

Session 1: Helical Reactor Design and Physics Issues (Chair: Y. Ogawa)

9:50 – 10:30 A. Sagara: Optimization Studies on Conceptual Designs of LHD-type Reactor FFHR
10:30 – 11:15 F. Najmabadi: Overview of ARIES-CS Study and the next ARIES study

Coffee break

11:25 – 11:55 O. Mitarai: Fusion Power Rise-up in the Helical Reactor FFHR2m
12:25 – 12:55 T. Mizuuchi: Topics from new approaches in plasma confinement experiments in helical systems

Lunch

Session 2: Engineering Design on Helical Reactors (Chair: K. Tobita)

14:00 – 14:30 R. Raffray: Engineering Design and Analysis of the ARIES-CS Power Plant
14:30 – 15:00 S. Abdel-Khalik: Thermal-Hydraulic Studies in Support of the ARIES-CS Divertor Design
15:00 – 15:30 T. Muroga: Feasibility of Flibe/V-alloy Blanket
15:30 – 16:00 S. Fukada: A design for recovery of tritium from Flibe loop in FFHR
16:00 – 16:30 A. Kohyama: Brief review of SiC/SiC material development (tentative)

16:30 – 18:00  Tours to experimental facilities in Uji Campus

19:00 – 21:00  Welcome Dinner
Tuesday, February 6, 2007 (Campus Plaza near by Kyoto Station)

Session 3: Tokamak Design Study (Chair: F. Najmabadi)

09:30 – 10:00 K. Tobita: Conceptual design of SlimCS and critical design issues
10:00 – 10:30 M. Sato: Current drive system of SlimCS on the basis of current ramp scenario
10:30 – 11:00 Y. Nakamura: Disruption avoidance after NBCD turn-off in fully non-inductive, reversed shear discharge
11:00 – 11:30 S. Nishio: Considerations on maintenance scheme of SlimCS

Lunch

Session 4: PPCS Activities and Divertor and Coil Design in Helical Reactor (Chair: K. Okano)

12:45 – 13:15 D. Maisonnier: Overview of the EU DEMO activities and key Engineering Issues for the EU DEMO
13:15 – 14:00 L. Horton: DEMO physics issues and provisional plant parameters for the EU DEMO
14:00 – 14:30 T.K. Mau: Divertor and Alpha Particle Physics Analysis for ARIES-CS
14:30 – 15:00 Y. Igitkhanov: Impurity control in Helical Fusion Reactor
15:00 – 15:30 S. Imagawa: Conceptual design of superconducting magnets of FFHR2m1 with CIC conductors on the engineering base for ITER.
15:30 – 16:00 R. Raffray: ARIES-CS Coil Configuration and Structural Design

Coffee Break

Session 5: Laser Fusion Reactor Design (Chair: R. Raffray)

16:15 – 16:45 T. Norimatsu: Critical issue in KOYO-F design
16:45 – 17:00 Y. Ogawa: Overview on Fast-ignition Laser Fusion Reactor with a Dry Wall
17:00 – 17:30 T. Goto: Design of a core plasma and chamber wall for dry wall fast ignition ICF power plan
17:30 – 18:00 R. Hiwatari: Maintenance method for blanket and final optics of dry wall fast ignition ICF power plant

[Dinner: On own initiative]
Wednesday, February 7, 2007 (Campus Plaza near by Kyoto Station)

Session 6: Socio-Economics Study (Chair: D. Maisonnier)

09:30 – 10:00    K. Kozaki : Comparative Economics Studies on Magnetic Fusion Power Plants
10:00 – 10:30    K. Okano : Socio-Economic Study on Future Advanced Energy Technologies (tentative)
10:30 – 11:00    Y. Yamamoto : Conceptual design of advanced LiPb-SiC blanket
11:00 – 11:30    S. Konishi : Development of LiPb-SiC blanket; Present status and strategy

11:30 – 11:45    Closing Address

Adjourn
The map of Campus Plaza Kyoto

Our meeting place is “Conference room No.3”.