

Participants from Japan to this joint workshop

High Power Density Device and Designs

Prof. Hidetoshi Hashizume (Tohoku University)

- Analysis on MHD pressure drop in remountable first wall design
- Experimental results obtained from TNT loop

Prof. Akio Sagara (NIFS)

- Activities on liquid blanket system in Japan

Prof. Tomoaki Kunugi (Kyoto University)

- Surface wave structure and heat transfer of vertical liquid film flow
- Ultrahigh heat transfer enhancement by nano- and micro-scale structure formed on surface

High Heat Flux Component and Plasma Surface Interactions for Next Fusion Devices

Prof. Nobuaki Noda (NIFS)

- Progress in LHD experiments in 2002-2003

Prof. Naoaki Yoshida (Kyusyu University)

- Irradiation effects of metals by helium plasma bombardment in LHD
- High heat flux experiments on tungsten by helium beam irradiation

Prof. Tetsuo Tanabe (Nagoya University)

- Tritium retention in large tokamak
- PMI studies in JT-60U – Hydrogen retention and erosion/deposition of carbon & effort of tritium removal
- Tracer techniques in studies of material migration in tokamaks
(Rubel/RIT)

Prof. Tohru Mizuuchi (Kyoto University)

- Edge plasma studies in Heliotron-J

Prof. Yosuke Nakashima (Tsukuba University)

- Edge plasma and PSI studies in the tandem mirror GAMMA-10

Prof. Yoshi Hirooka (NIFS)

- A new facility for POP exps. on innovative PFC concept and the first exps. on liquid Li and Ga
- Experiments of pebble divertor (Nishikawa /Osaka U.)

Dr. Satoshi Suzuki (JAERI)

- High heat flux experiments on F82H divertor mockup for DEMO
- Deuterium retention of carbon-tungsten mixed materials

Prof. Yoshio Ueda (Osaka University)

- Plasma surface interaction issues in magnetic fusion chambers
- Carbon impurity effects on plasma facing wall
- Dependence of surface temperature and incidental ion energy for bubble formation on tungsten surface irradiated by low energy and high flux helium plasmas (Nishijima /Nagoya U.)