Schedule of the 4th Japan-China Workshop

Wednesday, May 9	
9:00	Workshop registration
9:40	Session 1: Opening of workshop Welcoming address - Masao Matsuyama, Director of Hydrogen Isotope Research Center, Univ. of Toyama
	Session 2: Invited talk, (Masao Matsuyama / Kaiming Feng)
9:50	2-1 Overview of tritium activities in Japan Kenji Okuno (Shizuoka Univ.)
10:20	2-2 Progress of tritium science and technology in China Shuming Peng (CAEP)
10:50	Coffee break
	Session 3: Permeation - Absorption - Diffusion (Ralf-Dieter Penzhorn / Shuming Peng)
11:10	3-1 Experimental and computational studies on tritium permeation mechanism in nanostructured ceramic thin films Wei Mao (The Univ. of Tokyo)
11:30	3-2 Solubility of hydrogen isotope in zirconia ceramics Kenichi Hashizume (Kyushu Univ.)
11:50	3-3 Behavior of implanted hydrogen in metals examined by depth profiling with a tritium imaging plate technique Teppei Otsuka (Kyushu Univ.)
12:10	Lunch break
	Session 4: Analysis and Storage (Yuji Hatano / Heyi Wang)
13:10	4-1 Tritium distribution in nickel and vanadium with a combined technique of an imaging plate and thin absorbers Hiroko Yoshida-Ohuchi (Tohoku Univ.)
13:30	4-2 Thermal desorption behavior research for ^{3}He in titanium tritide films Xiaosong Zhou (CAEP)
13:50	4-3 Hydrogen storage properties of nano Mg-Ni alloy prepared by mechanical ball milling Yifu Xiong (CAEP)
14:10	4-4 The effect of surface state on the kinetics of scandium-deuteride formation Xiao-qiu Ye (CAEP)
14:30	Coffee break
	Session 5: PSI (Yuji Yamauchi / Sei-Hun Yun)
14:50	5-1 Trapping of tritium by stainless steel exposed to plasmas in experimental campaigns of LHD Masao Matsuyama (Univ. of Toyama)
15:10	5-2 Implantation energy dependence on deuterium recycling and retention behaviors for the carbon implanted tungsten Yasuhisa Oya (Shizuoka Univ.)
15:30	5-3 Observation of the hydrogen distribution on tungsten surface exposed with D plasma Kanetsugu Isobe (JAEA)
15:50	5-4 Study on the plasma-surface interaction in tungsten by EXPRESS Ryo Miura (Shizuoka Univ.)
16:10	5-5 Hydrogen incorporation into tungsten deposits growing under hydrogen and argon mixed plasma Kazunari Katayama (Kyushu Univ.)
16:30	5-6 Simulation tritium retention in tungsten with a multiple trap model in the TMAP code B. J. Merrill (INL)
16:50	5-7 Tritium behavior in annealed neutron-irradiated tungsten Masashi Shimada (INL)
17:20	Photography of group photo and transfer to banquet hall
18:00	Banquet

Thursday, May 10	
	Session 6: ITER TBM and SDS (B. J. Merrill / Kenji Okuno)
9:20	6-1 Current Status of Chinese Solid Tritium Breeder TBM Kaiming Feng (SWIP)
9:40	6-2 Recent progress of tritium relevant research for fusion energy in China Institute of Atomic Energy (CIAE) Yang Hongguang (CIAE)
10:00	6-3 Current Status of Japanese Water Cooled Solid Breeder TBM Takanori Hirose (JAEA)
10:20	6-4 The R&D Status of ITER SDS Sei-Hun Yun (NFRI)
10:40	Coffee break
	Session 7: Decontamination and Separation (Takayuki Abe / Xiaojun Chen)
11:00	7-1 Study on deuterium removal by inert gas discharge cleanings Yuji Yamauchi (Hokkaido Univ.)
11:20	7-2 Effect of alloying of hydrophobic Pt-Fe catalysts on catalytic activities for liquid phase catalytic exchange reaction Sheng Hu (CAEP)
11:40	7-3 The development of Ni group catalysts for methane decomposition Heyi Wang (CAEP)
12:00	7-4 Hydrogen-deuterium exchange properties of methane on supported Ni catalyst Jingwen Ba (CAEP)
12:20	7-5 Numerical Simulation of Detritiation System Kenzo Munakata (Akita Univ.)
12:40	Lunch break
	Session 8: Breeding 1 (Yasuhisa Oya / Yongjin Feng)
13:40	8-1 Overview of Flibe-tritium research for fission or fusion reactors Satoshi Fukada (Kyushu Univ.)
14:00	8-2 Ceramic breeder materials development: status and perspective Xiaojun Chen (CAEP)
14:20	8-3 Removal of deuterium from lithium titanate by sweep gas exposure Yuji Nobuta (Hokkaido Univ.)
14:40	8-4 Tritium release kinetics in lithium-enriched $Li_{2+x}TiO_3$ with thermal neutron irradiation Makoto Kobayashi (Shizuoka Univ.)
15:00	8-5 Study on Li mass loss from Li_2TiO_3 Hideaki Kashimura (Kyushu Univ.)
15:20	8-7 Study of release behavior of hydrogen isotopes thermally absorbed in Li_2TiO_3 porous pellet Deqiong Zhu (The Univ. of Tokyo)
15:40	Coffee break
	Session 9: Breeding 2 (Masanori Hara / Hongguang Yang)
16:00	9-1 Fabrication of Li_4SiO_4 pebbles produced from lithium hydroxide Xiaoling Gao (CAEP)
16:20	9-2 Experimental measurements of the effective thermal conductivity of Li_4SiO_4 pebble bed Yongjin Feng (SWIP)
16:40	9-3 Improvement of tritium release from Li_4SiO_4 ceramic pebble deposited with catalytic metals Chengjian Xiao (CAEP)
17:00	9-4 Properties of Li_4SiO_4 pebble by extrusion-spheronisation- sintering and its measurements of the thermal effective thermal conductivity of pebble bed He Changshui (CIAE)
17:20	9-5 Oxidation resistance of $Be_{12}Ti$ fabricated by plasma-sintering method Kohei Wada (Akita Univ.)
17:40	Closing

Friday, May 11　Excursion (Bus tour to Tateyama with lunch)	
8:30	Daiichi Hotel
10:30	Tateyama
12:00	Lunch
14:30	Toyama Station
15:00	APA VILLA HOTEL

Attention

Presentation

Speakers are needed to use the laptop and LCD projector systems at the conference room. Although the local committee will prepare the laptop with Microsoft PowerPoint 2007(R) (Japanese), please bring your own laptop.

Macintosh user

If you are a Macintosh user, please bring your computer and the adopter.

LAN

There is no LAN access point in conference room and TOYAMA KENMINKAIKAN. Therefore, wireless or wired LAN is not available for presentations. If you plan to show websites or other online resources, please download them onto your laptop and test their functionality before your presentation.

Xcursion

Average temperature at Tateyama-Yuki-no-Ohtani in May is four degrees centigrade. Equip against the cold.