

**Japan-US Workshop on  
Fusion Power Plants and Related Advanced Technologies with participations from China and Korea  
February 26-28, 2013 at Kyoto University in Uji, JAPAN**

26 February (Tuesday)			
9:00			socializing
9:15	S. Konishi	Kyoto Univ.	Welcome and logistics
<b>Overview</b>			Chairperson (Ogawa)
9:30	K. Tobita	JAEA	Reactor design in JAEA
10:00	F. Najmabadi	UCSD	Overview of ARIES-ACT1
10:30	S. Matsuda	Kyoto Univ.	Programmatic issues to be studied in advance for the DEMO planning
	[ Coffee break ]		Chairperson (F. Najmabadi)
11:15	M. Ye	China	Status of design and strategy for CFETR
11:45	K. Im, K. Kim	Korea	Preliminary Conceptual Design Study of K-DEMO
12:15	S. Konishi	Kyoto Univ.	Update of the Design and Development of Biomass Hybrid
	[ Lunch break ]		
<b>Core Plasma Design</b>			Chairperson (K. Tobita)
1:45	O. Mitarai	Kyushu Tokai Uni	Feedback control of the heating power to access the thermally unstable ignition regime in FFHR helical reactor
2:15	Y. Miyoshi	Univ. of Tokyo	Consideration on control of fusion reactor plasma
2:45	Y. Sakamoto	JAEA	physics issues
3:15	N. Asakura	JAEA	Radiative divertor simulation and advanced divertor study for Demo
	[ Coffee break ]		
<b>Reactor Concept and Engineering(1)</b>			Chairperson (S. Matsuda)
4:00	T. Norimatsu	Osaka Univ.	Activities on laser-fusion, experimental reactor based on fast ignition scheme
4:30	K. Ibano	Ritsumeikan Univ.	Design study of a low-power fusion reactor aiming for "42 kWh/Yen"
5:00	M. Tillack	UCSD	Engineering overview of ARIES-ACT1
5:30	H. Tamura	NIFS	Design of structural components and radial-build for FFHR-d1
6:00	N. Yanagi	NIFS	Superconducting Magnet Design and R&D with HTS Option for the Helical DEMO Reactor
6:30	Adjourn		

27 February (Wednesday)			
<b>Reactor Concept and Engineering (2)</b>			Chairperson (S. Konishi)
9:30	A. Sagara	NIFS	Design and R&D Activities for the LHD-type Demo FFHR-d1 and c1
10:00	Y. Song	China	Concept design of CFETR tokamak machine
10:30	M. Tillack	UCSD	Fracture and creep in the all-tungsten ARIES divertor
	[ Coffee break ]		
<b>Plasma Operation</b>			Chairperson (Asakura)
11:15	R. Hiwatari	CRIEPI	Fusion power control considering plant operation
11:45	J. Miyazawa	NIFS	Core Plasma Design for FFHR-d1 and c1
12:15	T. Goto	NIFS	Study on Plasma Startup Scenario of Helical DEMO reactor FFHR-d1
	[ Lunch break ]		
<b>Reactor Design and Safety</b>			Chairperson (M. Tillack)
1:45	F. Okino	Kyoto Univ.	valuation of the Stability of PbLi Liquid Film and its Possible Application
2:15	Zhongwei Wang	China	System code for CFETR
2:45	T. Hamada	Univ. of Tokyo	Cost Comparative study of Pulsed and Steady-State Operation Tokamak
	[ Coffee break ]		Chairperson (A. Sagara)
3:30	Y. Ogawa	Univ. of Tokyo	Assessment on safety and security for fusion plant
4:00	M. Tillack	UCSD	Steady, transient and off-normal heat loads in ARIES power plants
4:30	M. Nakamura	CRIEPI	Status and future plan of safety research of the BA-DDA
7:00			[ Welcome Dinner ]

28 February (Thursday)			
10:00	Discussion (if necessary)		
12:00	adjourn		