

**Joint Meeting of US-Japan JIFT Workshop on
Theory-Based Modeling and Integrated Simulation of Burning Plasmas
and 21COE Workshop on Plasma Theory**

--- Kyodai-Kaikan, Kyoto, 2003/12/15-17 ---

Organized by
Department of Nuclear Engineering, Graduate School of Engineering,
Department of Fundamental Energy Science, Graduate School of Energy Science,
Kyoto University

12/15			
	0900		Welcome and Announcement
			chaired by J. Van Dam
A1	0915	S. Jardin (PPPL)	Integration of Global Stability into the Simulation of a Burning Plasma
A2	1000	H. Naitou (Yamaguchi U)	Kinetic MHD Simulation in Tokamaks
	1030	Coffee break	
			chaired by H. Naitou
A3	1045	Y. Todo (NIFS)	Recent Progress in Simulations of Kinetic-MHD Instabilities
A4	1115	J. Van Dam (IFS)	Energetic Particles and Burning Plasma Physics
A5	1145	S. Tsurimaki (Kyoto U)	Nonlinear Tearing Modes in Finite-Beta Tokamaks with Noncircular Cross Sections
	1205	Lunch	
			chaired by Y. Todo
B1	1400	D.B. Batchelor (ORNL)	Integrated Modeling of Wave-Plasma Interactions in Fusion Systems
B2	1445	H. Hojo (Tsukuba U)	Full-Wave Maxwell Simulations for ECRH
	1515	Coffee break	
			chaired by D.B. Batchelor
B3	1530	S. Murakami (Kyoto U)	ICRF Heating Simulation in 3D Magnetic Configuration
B4	1600	V. Chan (GA)	Modeling of Neutral Beam Ion Absorption of High Harmonic ICRF Waves in the DIII-D Tokamak
B5	1630	N. Nakajima (NIFS)	Simple Systematic Treatment of Diffusion Processes in Given Electromagnetic Fluctuations
	1700	Discussion Y. Nakamura	"How to describe transport during and after MHD events"
	1730	End of Session	

12/16			
			chaired by S. Benkadda
C1	0900	J. Candy (GA)	Recent Gyrokinetic Simulations with GYRO: Bohm Transport in DIII-D, the Local Limit of Global Simulations, and Transport across a Minimum-q Surface
C2	0945	Y. Kishimoto (JAERI)	Local and Nonlocal Gyro-Fluid Simulation of ITG and ETG Turbulence and the Statistical Properties
	1030	Coffee break	
			chaired by Y. Kishimoto
C3	1045	M. Yagi (Kyushu U)	Transport with Flow
C4	1115	K. Takeda (Kyoto U)	Intermittent Oscillations Generated by ITG-Driven Turbulence
C5	1135	O. Yamagishi (NIFS)	Linear Stability of Electrostatic Drift Waves in Helical Plasmas
	1155	Lunch	
			chaired by S. Jardin
D1	1400	S. Benkadda (U Provence)	Control of Turbulence Transport in Fusion Plasmas
D2	1445	T.S. Hahm (PPPL)	Role of Turbulence Spreading in Edge-Core Coupling
	1515	Coffee break	
			chaired by Y. Tomita
D3	1530	S. Krasheninnikov (UCSD)	On Dust Particle Dynamics in Tokamak Edge Plasma
D4	1615	T. Takizuka (JAERI)	Edge Plasma Modeling Using PARASOL Code
D5	1645	R. Hiwatari (CRIEP)	Simple Core-SOL-Divertor Model to Investigate Plasma Operation Space
D6	1715	S. Hamaguchi (Kyoto U)	Non-Local Transport of Strongly Coupled Plasma
	1745	Discussion M. Yagi	"How to implement turbulent simulation results?"
	1815	End of Session	
	1900	Workshop Dinner	at "Sakon Taro" (Nijo Oike Agaru)

12/17			
			chaired by D. Moreau
E1	0900	V. Parail (JET/UKAEA)	Integrated Predictive Modelling of Tokamak Plasmas: Progress and Prospects
E2	0945	A. Kritz (Lehigh U)	Predictive Integrated Modeling Simulations Using a Combination of NTCC H-mode Pedestal and Core Transport Models
	1015	Coffee break	
			chaired by A. Kritz
E3	1030	A. Fukuyama (Kyoto U)	Integrated Simulation Based on TASK Code
E4	1100	D. Moreau (JET/CEA)	Real-Time Control of Internal Transport Barriers in JET : Experiments and Simulations
E5	1130	Y. Nakamura (Kyoto U)	1-D Transport Simulation for a 3-D MHD Equilibrium
	1200	Lunch	
			chaired by S. Hamaguchi
F1	1400	H. Takabe (Osaka U)	Resemblance and Difference of Integrated Codes for Laser Fusion and Gamma-ray Bursts
F2	1430	K. Koyamada (Kyoto U)	Remote Collaboration Environment on the Grid
	1500	Discussion A. Fukuyama	"What is integrated simulation?"
	1530	Summary	
	1600	Adjourn	

2003-12-08