

PROGRAMME FOR THE
JOINT VARENNA - LAUSANNE INTERNATIONAL WORKSHOP
ON
"THEORY OF FUSION PLASMAS"

Villa Monastero, Varenna, Italy
August 28 – September 3, 2006

Monday, August 28, 2006

09:00		<i>Welcome</i>	CONNOR
			TOMOHIKO WATANABE
09:10	I-1	Gyrokinetic-Vlasov simulations of the ion temperature gradient turbulence in tokamak and helical systems	
			ANDRE SIMAKOV
09:55	I-2	What are the limitations of Braginskii's fluid equations and Hazeltine's drift kinetic equation	
10:40		<i>Coffee break</i>	
			SÉBASTIEN JOLLIET
11:10	I-11	Ion and electron dynamics in nonlinear PIC simulations	
			ÖZGUR GÜRCAN
11:55	I-4	Spatial and spectral dynamics of turbulence spectra	
12:40		<i>Group photo</i>	
			CHRIS GIMBLETT
15:00	I-5	Peeling mode relaxation ELM model	
			IAN CHAPMAN
15:45	I-6	Modelling the Effect of Toroidal Plasma Rotation on MHD Instabilities in MAST	
16:30		<i>Coffee break</i>	
			DMITRY MOROZOV
17:00	I-7	Radiative plasmas at the edge and their basic properties	
17:45		<i>End</i>	
21:30		<i>Welcome party at Hotel Royal Victoria</i>	

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TUESDAY, August 29, 2006

09:00	I-8	SCOTT PARKER Fine Scale Zonal Flow Suppression of Electron Temperature Gradient Turbulence
09:45	I-9	VIRGINIE GRANDGIRARD Dimensionless scaling laws of confinement in fusion plasmas with the 5D non-linear Gyrokinetic Semi-Lagrangian code GYSELA
10:30		<i>Coffee break</i>
11:00	I-10	FRANCISCO OGANDO Advanced methods in global gyrokinetic full f particle simulation of tokamak transport
11:45	I-3/P-5	AMIYA SEN Observation and Identification of Zonal Flows in a Basic Physics Experiment
12:30		<i>Lunch</i>
15:00		POSTER SESSION 1: P-1 to P-16
16:30		<i>Coffee break</i>
17:45		<i>End</i>

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WEDNESDAY, August 30, 2006

		DANIELA FARINA
09:00	I-12	Quasi-optical Propagation of a EC Gaussian Beam, Absorption and Current Drive in Tokamaks
		ALEXANDER SAVELIEV
09:45	I-13	Electron Bernstein waves in spherical torus plasmas
10:30		<i>Coffee break</i>
		REMI DUMONT
10:50	I-14	Hamiltonian description of low frequency waves propagation and absorption in magnetically confined plasmas
		TILMAN DANNERT
11:35	I-15	Turbulent transport of energetic ions
12:20		<i>Lunch</i>
		STEFAN MUELLER
14:00	I-16	Fluctuations, turbulence and transport in the TORPEX device
		RALF KLEIBER
14:45	I-17	Global linear gyrokinetic simulations for stellarator and axisymmetric equilibria
		XAVIER GARBET
15:30	I-18	Acknowledgement to Jack's contributions to Varenna-Lausanne meeting ++
		TONY COOPER
15:45	I-19	Acknowledgement to Juergen's contributions to Varenna-Lausanne meeting ++
16:00		<i>Coffee break and end</i>
16:30		<i>Departure to dinner/excursion (departure from</i>

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Varenna main square)

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THURSDAY, August 31, 2006

		BORIS BREIZMAN
09:00	I-20	Fast particle interactions with waves in fusion plasmas
		PHILIP LAUBER
09:45	I-21	Kinetic Properties of Shear Alfvén Modes in Tokamak Plasmas
10:30		<i>Coffee break</i>
		GREGORIO VLAD
11:00	I-22	Interaction of fast particles and Alfvén modes in burning plasmas
		ALAN TURNBULL
11:45	I-23	Monte-Carlo Simulation of High Harmonic Fast Wave Heating of Neutral Beam Ions and Effects on MHD Stability: Validation With Experiments
12:30		<i>Lunch</i>
15:00		POSTER SESSION 1: P-17 to P-31
16:00		<i>Coffee break</i>
18:00		<i>End</i>
21.30		<i>4 hands organ Concert (St.Giorgio's Church)</i>

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FRIDAY, September 1, 2006

09:00	I-24	DANIELE BONFIGLIO Electrostatic dynamo in Reversed Field Pinch plasmas: simple common fundamental nature of laminar and turbulent regimes
09:45	I-25	JESUS RAMOS Extended MHD effects in the modeling of tokamak plasmas
10:30		<i>Coffee break</i>
11:00	I-26	HIDEAKI MIURA DNS Studies of Nonlinear Evolution of MHD Instability in LHD
11:45	I-27	PAULO RODRIGUES Tokamak equilibria with toroidal current reversal: properties and computational issues
12:30		<i>Closing Session</i>