



UNIVERSITY OF THESSALY
MECHANICAL ENGINEERS AMPHITHEATRE -
PEDION AREOS - VOLOS

1st School and Workshop on Fusion Physics
Volos, 16 - 21 May 2002

PROGRAM

Time

Lecture Title

Speaker

[viagra soft tabs](#) [viagra gegenanzeigen](#) argaiv1169

Thursday 16 May 2002

10.00-11.30 [Introduction to plasmas and to magnetic fluid dynamics](#) (in greek)

11.30-13.00 [Introduction to plasmas and to magnetic fluid dynamics](#) (in greek) A. Grecos, UoTh

14.30-16.30 [Ideal magnetohydrodynamics and equilibrium states](#) G. Throumoulopoulos, UoI

17.00-18.00 [Ideal magnetohydrodynamics and equilibrium](#)

[states](#)

18.00-18.30

G. Throumoulopoulos, UoI

[Tokamak equilibrium with inverse magnetic field](#)

G. P

Friday 17 May 2002

09.00-11.00

[Introduction to plasmas kinetic theory](#) (in greek)

11.30-13.00

[Microwaves and applications in fusion](#) (in greek)

14:30-16:00

[Waves and instabilities in plasmas](#) (in greek)

L. V

16.00-16.30

[Random walk through fractal environments](#)

H. Isliker, A

17.00-18.00

Nonlinear phenomena in plasmas, NTUA

Saturday 18 May 2002

09.00-09.50	Beam-wave interactions and high-power rf generation	N. Vekovitch, NTUA
K. Hizanidis, NTUA		
I. Tigelis, UoA		
09.50-10.10	Interaction of supra-thermal particles and magnetic fluctuations	A. Lazaros, NTUA
10.10-10.30	Stationary MHD models for magnetically confined plasmas	G. Tsimpanogiannis, UoA
10.30-11.00	Modelling and transport in tokamak fusion plasmas	P. Vlahos, AOT
11.30-13.00	The European Fusion Programme	D. Bartlett, EC
14.30-14.45	Lattice Boltzmann methods for MHD flows	D. Valouge
14.45-15.10	MHD transport phenomena	N. Vekovitch, UoTh
15.10-15.30	Magnetized plasma-pellet interaction	P. Lauber, FORTH
15.30-16.30	Fusion Technology Seminars	M. Asimakos, NCSR "Demokritos"

Monday 20 May 2002

09.00-11.00	High-temperature plasmas	(in greek)	P. Lalou
11.30-13.00	Iterative methods algorithms	(in greek)	D. Valo
14.30-15.00	Cellular automata and magnetohydrodynamics		A. Ana
15.00-15.30	Harmonic coaxial gyrotrons with corrugated	(in greek)	K. Avramidis, NTUA
insert			
15:30-16:00	Simulation of electronic beam in microwave	(in greek)	I. Pagonakis, NTUA
sources			
16:00-16:30	Electromagnetic wave simulation in beam tunnels		G. Amaguchi, UoTh
17.00-17.30	The Boltzmann grid method		G. Breyiannis, UoTh
17:30-18:00	Magnetohydrodynamics in the Boltzmann grid		S. Naris, UoTh
18.00-18.30	Interaction between plasmas and surfaces in	(in greek)	D. Pappas, MIT
fusion devices			

Tuesday 21 May 2002

09:00-10:00	Computational fluid dynamics methods		
11:30-12:00	Effects of magnetic field on convective fluxes	(in greek)	
12:00-12:30	Particles chaotic dynamics in magnetic fields	(in greek)	

12.30-13.00

[Fokker-Planck equation for particles in plasmas](#) (in green)