

ISMFA PROGRAMME (9-16 SEPTEMBER 2011)

	9 Sep. Fri	10 Sep. Sat.	11 Sep. Sun.	12 Sep. Mon.	13 Sep. Tue.	14 Sep. Wed.	15 Sep. Thu.	16 Sep. Fri.
09:00	BREAKFAST							
09:30-10:15		E. KURT- Intro to Mag.Hydr.Dyn. (MHD)&Plasmas	F.H. BUSSE- Instabilities without dissipation	S.M. HASSAN - Development of PF devices	L. SING- Plasma focus simulation studies	F.H. BUSSE-Rotating Systems: Transf. of N-S Eqs.	S.M. HASSAN - Measurement techniques in PF	M. GHORANNEVISS - Developments in ITER project
10:15-10:30	BREAK							
10:30-11:15		E. KURT-Intro to Mag.Hydr.Dyn. (MHD)&Plasmas	F.H. BUSSE- Instabilities with dissipation	S.M. HASSAN - Development of PF devices	S.H. SAW- Plasma focus simulation studies	F.H. BUSSE-Magnetic systems:MHD-approx.	S.M. HASSAN - Measurement techniques in PF	M. GHORANNEVISS - Developments in ITER project
11:15-11:30	BREAK							
11:30-12:15		E. KURT- Intro to Mag.Hydr.Dyn. (MHD)&Plasmas	W. PESCH-Analysis of pattern forming instabilities	S.M. HASSAN - Development of PF devices	S.M. HASSAN - Measurement techniques in PF	W. PESCH-Dynamis of defects and chaos	S.M. HASSAN - Measurement techniques in PF	H.I TARMAN- Examples on MHD modeling and simulations
12:15-13:00	LUNCH&REST							
13:00-13:45	REGISTRATION	M. CANTÜRK- Computational Plasma Physics	W. PESCH- Modulational instabilities	H.M. ŞAHİN- Intro to turbulence	M. TEZER- Numerical techniques on MHD problems	W. PESCH- Pattern forming inst. under time-space forcing	S.H. SAW- Plasma focus simulation studies	H.I TARMAN- Examples on MHD modeling and simulations
13:45-14:00	BREAK							
14:00-14:45	REGISTRATION	M. CANTÜRK- Computational Plasma Physics	W. PESCH- Swift-Hohenberg equations	H.M. ŞAHİN- Intro to turbulence	M. TEZER- Numerical techniques on MHD problems	W. PESCH- Resonances & controlling chaos	L. SING- Plasma focus simulation studies	E. KURT- Plasma Kinetics Theory
14:45-15:00	BREAK							
15:00-15:45	REGISTRATION	M. CANTÜRK- Modeling of radio-frequency plasmas	F.H. BUSSE- Transition to turbulence through sequences of bifurcation	H.M. ŞAHİN- numeric methods to investigate turbulence	STUDENT PRESENTATIONS	F.H. BUSSE- Generation of planetary magnetism	L. SING- Plasma focus simulation studies	Examination
15:45-16:00	BREAK							
16:00-16:45	REGISTRATION	L. SING- Intro to plasma focus (PF) modeling	L. SING- Determination of fusion yields in Lee model	M. CANTÜRK- Modeling of radio-frequency plasmas	STUDENT PRESENTATIONS	L. SING- Plasma focus simulation studies	M. GHORANNEVISS - Delivery of certificates	Fusion devices
16:45-17:00	BREAK							
17:00-17:45	REGISTRATION	S.H. SAW- Modeling of electrical part in PF	S.H. SAW- Determination of fusion and post-fusion processes	M. CANTÜRK- Modeling of radio-frequency plasmas		S.H. SAW- Plasma focus simulation studies	M. GHORANNEVISS - Fusion devices	