Agenda- 14th SPINE MEETING 13-14 November - ESA-ESTEC/ROOM Na213

13/11/2008

Speaker	Title	min	Time
A. Hilgers	Welcome and objectives of the meeting	15	09:30
	Future Cosmic Vision missions	0	09:45
A. Wielders	Overview of Cross-scale mission	10	09:45
C. Erd	Overview of Tandem mission	10	09:55
A. Stankov	Overview of Laplace mission	10	10:05
	Coffee Break	10	10:15
	Session: Observations	0	10:25
A. Hilgers (ESA)	A review of spacecraft plasma interactions effects on plasma measurements	20	10:25
A. Masson (ESA)	Electron density measurements in the magnetotail with different instruments	20	10:45
M. Capacci (Laben)	Observation of SMART-1 plume plasma environment with the EPDP plasma diagnostic package and future activities	20	11:05
M. Capacci (Laben)	Charging active control: PLEGPAY experiment onboard ISS results; activities on future systems	20	11:25
D. Rodgers (ESA)	Plasma measurements onboard CHAMP spacecraft	20	11:45
H. Laakso (ESA)	Observation of spacecraft plasma interactions with Cluster	20	12:05
D. Kataria (MSSL)	Spacecraft-plasma interactions: an MSSL perspective	20	12:25
A. Eriksson (IRFU)	Cold plasma and electric field measurements in the Jovian system: possibilities and challenges	20	12:45
	Session Wrap-up	10	13:05
	Lunch Break	75	13:15
	Session: Modelling and analysis	0	14:30
A. Hilgers (ESA)	Modelling of plasma environment of Cluster electrostatic sensors	20	14:30
A. Eriksson (IRFU)	Wakes in cold tenous plasmas: nuisance and blessing	20	14:50
S. Clucas (ESA)	MMS electrostatic environment simulation	20	15:10
D. Rodgers (ESA)	Champ and Swarm plasma environment modelling	20	15:30
	Coffee Break	15	15:50
A. Yilmaz (IKU)	Dynamical Modeling of Hall Thruster Plume	20	16:05
J.-F. Roussel (ONERA)	Microscope plasma environment modelling	20	16:25
J.-F. Roussel (ONERA)	Modelling of plasma tank and related langmuir probe calibration	20	16:45
S. Clucas (ESA)	Study of plasma plume induced contamination on Lisa Path Finder	20	17:05
J.-F. Roussel (ONERA)	High level charging simulation	20	17:25
	Session Wrap-up	20	17:45

14/11/2008

Speaker	Title	min	Time
	Session: Development of numerical tools	0	09:30
D. Rodgers (ESA)	A review of computational tools available at ESA	30	09:30
J.-F. Roussel (ONERA)	SPIS Numerical Solvers Status	30	10:00
G. Lapenta (KU Leuwen)	DEMOCRITUS: A tool for simulating objects immersed in a plasma	30	10:30
G. Santin (ESA)	Geant4 low energy particle transport calculation for space applications	20	11:00
	Coffee Break	15	11:20
	Round Table on Modelling Requirements	60	11:35
	Closing	15	12:35
	Lunch Break	60	12:50