ISSI-EUROPLANET Workshop on "GIANT PLANET MAGNETODISCS AND AURORAE" 26-30 November 2012

DRAFT: November 15, 2012

MONDAY 26 November, 2012		
Notice: All prese	ntations are 45' slots include 15' of questions	
08:30-09:00	Registration in ISSI, Hallerstrasse 6, 1 st floor	
09:00-09:15	Welcome and Introduction to ISSI and Workshop	TBD (two names, ISSI and EPN)
	Set the scene I	
09:15-10:00	Title TBD	Denis Grodent
Session 1	Characterise and understand mass and energy momentum transport in magnetodiscs	Chairman: TBD
10:00-10:45	Review Talk	Nick Achilleos
10:45-11:15	Coffee break	
11:15-12:00	The interchange instability	Nicolas André
12:00-12:45	First discussion: THE BOOK	
12:45-14:00	Lunch	
14:00-14:45	The neutral – plasma interaction	Peter Delamere
14:45-15:30	Simulation of interchange and other instabilities in the Kronian Magnetosphere.	Robert Winglee
15:30-16:00	Coffee break	
16:00-16:45	Energetic Neutral Atoms and Planetary Ring Currents	Pontus Brandt
16:45-17:30	Observational wave signatures of mass-loading in magnetodisc systems	Xochitl Blanco-Cano
17:30	Welcome reception	

TUESDAY 27 November, 2012

Session 2	Characterise how the solar wind influences magnetodiscs and the auroral responses to solar wind-driven dynamics	
		Chairman: TBD
9:00-9:45	Review Talk	Fran Bagenal/ Peter Delamere
9:45-10:30	Structures & Dynamics: Supra-thermals	Chris Paranicas
10:30-11:00	Coffee break	
11:00-11:45	Magnetopause boundary processes	Adam Masters
11:45-12:30	Dynamics of the Polar Aurora	Katerina Radioti
12:30-14:00	Lunch	
14:00-14:45	Dynamics of the Main/Rotation Aurora	Bertrand Bonfond
14:45-15:30	Ionosphere-Magnetosphere Coupling	Licia Ray
15:30-16:00	Coffee break	
16:00-16:45	Global modeling of Saturn's magnetosphere	Xianzhe Jia
16:45-17:30	Auroral Response to Solar Wind Forcing	Jonathan Nichols

WEDNESDAY 28 November, 2012

Set the scene II

09:00-10:45	Title TBD	Margaret Kivelson
Session 3	Determine how magnetic reconnection works in magnetodiscs, what are the effects on plasma transport, and what are the associated auroral responses to magnetic reconnection	
		Chairman: TBD
9:45-10:30	Review Talk	Philippe Louarn
10:30-11:00	Coffee break	
11:00-11:45	Reconnection in disc/tail (Saturn/Cassini)	Caitriona Jackman
11:45-12:30	Reconnection at Jupiter (Jupiter/Galileo)	Satoshi Kasahara
12:30-14:00	Lunch	
14:00-14:45	Numerical simulation, disc/tail, link with aurora	Keiichiro Fukazawa/ Chihiro Tao
14:45-15:30	Mapping Jupiter's auroral features to magnetospheric	Marissa Vogt
15:30-16:00	Coffee break	
16:00-16:45	Giant planet magnetodisk dynamics from sc current	Nicolas André
	sheet crossings	
16:45-17:30	Transport in disc	Elena Kronberg
19:30	Workshop Dinner	

Location/Restaurant will be announced at the Workshop

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THURSD	ΔV 29	November.	2012

O9:00-09:45 Review Talk O9:45-10:30 Response of the ionosphere to auroral forcing at the giant planets Marina Galand 10:30-11:00 Coffee break 11:00-11:45 Modeling of Jupiter and Saturn auroral emissions Spectral and spatial properties of the X-ray aurora of the giant planets Chihiro Tao Graziella Branduardi-Raymon 12:30-14:00 Lunch	
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14:00-14:45 Saturn to Jupiter magnetospheric dynamics : a diagnosis from radio emissions Laurent Lamy	
14:45-15:30 Open-closed field line boundaries Sarah Badman	
15:30-16:00 Coffee break	
16:00-16:45 Simultaneous infrared and ultraviolet observations of Saturn's aurora Henrik Melin / Sarah Badman	l
FREE TIME	

FRIDAY 30 November, 2012		
Session 5	Determine the sources of local-time asymmetries in magnetodiscs	Chairmann TDD
09:00-09:45	Review Talk	Chairman: TBD Chris Arridge
09:45-10:30	Auroral evidence for local-time asymmetries	Denis Grodent/ Bertrand Bonfond
05.45 10.50	Autoral evidence for local time asymmetries	Berns Grodenty Bertrana Bonrona
10:30-11:00	Coffee break	
11:00-11:45	Modelling and observations of local-time asymmetries in magnetic fields and magnetospheric currents	Krishan Khurana
11:45-12:30	Local time asymmetries in energetic particles	Nick Sergis
12:30-13:15	Magnetospheric convection at Jupiter and Saturn	Mark Kane
13:15-13:45	Final discussion: THE BOOK	
	End of Workshop	