

Workshop on "New Vision of the Saturnian System in the Context of a Highly Dissipative Saturn" May 9 to 13, 2022

Monday, 9 May 2022			
Time	Торіс	Chair/ Speaker	
10:00	Registration ISSI, Hallerstrasse 6, 1 st floor		
		Chair:	
11:00	Introduction to the Workshop	Director, Conveners	
12:00	Lunch		
13:30	Intro of Subgroup 0 "Rings composition"	Gianrico Filacchione	
14:00	Review talk(s)		
14:00 - 14:20	Update on Cassini UVIS results: Rings and Ring Moons	Amanda Hendrix	
14:20 - 14:40	Ring Composition Update utilizing INMS and RPWS data	Hunter Waite	
14:40 - 15:05	Update on Cassini-CDA results	Sascha Kempf – in telecon	
15:05 - 15:30	Update on Cassini Radiometry results	Zhimeng Zhang – in telecon	
15:30 - 16:00	Coffee Break		
16:00	General discussions / chapters content		
16:00 - 16:20	Saturn's ring composition chapter presentation and discussion	Kelly Miller – in telecon	
16:20 - 16:40	Ringmoons composition chapter presentation and discussion	Mauro Ciarniello	
16:40 - 17:00	Discussion - AOB		
17:00	Welcome Reception - Hallerstrasse 6, 1st floor		

Tuesday, 10 May 2022			
Time	Topic	Chair/ Speaker	
09:30	Extra discussions and chapter writing		
10:30	Coffee Break		
11:00	Poster session		
11:45	Meeting picture		
12:00	Lunch		
13:30	Intro of Subgroup 1 "Rings Age"	Aurelien Crida	
14:00-14:30	The Age of the Rings	Paul Estrada	
14:30-14:45	The Opening of the Cassini Division	Benoit Noyelles	
15:00-15:30	General discussion / chapters content		
15:30	Coffee Break		
16:00	General discussions / chapters content		
17:00	Extra discussions and chapter writing		

Time	Topic	Chair / Speaker
09:00	Free time to visit the attractions of Bern NB: All ISSI facilities are available for small group discussions	
	Lunch	
13:30	Intro of Subgroup 2 "moons formation and long term orbital evolution"	Michel Blanc
13:40 - 14:00	Comparative study of giant planets regular moons formation (15" + 10' discussion)	Michel Blanc
14:00 - 14:15	Pebble accretion scenario for the formation of Galilean moons (10' + 5' discussion)	Yuhito Shibaike
14:15 - 14:35	Evolution of Uranus's main moons after a planet-tilting giant impact (15' + 5' discussion)	Julien Salmon
14:35 - 15:05	Formation of Saturn's regular moons (20' + 10' discussion)	Aurelien Crida
15:05 - 15:35	Tidal interactions and long-term orbital evolution (20' + 10' discussion)	Jim Fuller
15:35	Coffee Break	
16:00 - 16:40	Remote contributions	
16:00 - 16:20	Dynamical interactions between rings small moons (15' + 5' discussion)	Philip Nicholson & Maryame El Moutamid
16:20 - 16:40	A new model for the formation of Titan and the Saturnian moons	Olivier Mousis (by zoom)
16:40 - 17:00	Tidal (non-) evolution of Titan (from Bob Jackobson's work)	Philip Nicholson (by zoom)
17:00 - 18:00	General discussion and exchanges on chapters writing	
19:00	Workshop Dinner at the Restaurant Altes Tramdepot	

Thursday, 12 May 2022			
Time	Торіс	Chair/ Speaker	
09:30	Intro of Subgroup 3 "origin of Enceladus tidal dissipation"	Carly Howett	
10:00	Review talk(s)		
10:00 - 10:30	Constraining the mass and energy of dissipation systems	Carly Howett & Georgina Miles	
10:30 - 11:00	The origin and evolution of Enceladus' tidal dissipation	Francis Nimmo	
11:00 - 11:30	Dissipation mechanism	Gabriel Tobie	
11:30	Coffee Break		
11:45	General discussions / chapters content		
13:00	Lunch		
14:30	Intro of Subgroup 4 "Possible tidal lock mechanism in Jupiter and exo-planets"	Valery Lainey	
14:50	Review talk(s)		
14:50 - 15:15	Interior models of Jupiter & a comparison to Saturn / exoplanets	Tristan Guillot	
15:15 - 15:40	Theory of resonance locking	Jim Fuller	
15:40 - 16:05	Tidal dissipation in complex internal structure of giant planets	Stephane Mathis	
16:05 -16:30	Tides from Radio-science data	Giacomo Lari	
16:30	Coffee Break		
17:00	General discussions / chapters content		



Friday, 13 May 2022			
Time	Торіс	Chair/ Speaker	
09:30	Table of content of the book, Chapters content and lead authors		
11:00	Coffee Break		
11:30	Workshop discussion overview		
12:30	Lunch		
14:00	Wrap-up		
End of Workshop			

Last update: 10 May 2022