

Monday, 6 August 2018			
Time	Topic	Speaker	
08:30-09:30	Registration ISSI, Hallerstrasse 6, 1 st floor	-1	
09:30-09:45	Welcome and Introduction to ISSI	Rudolf von Steiger	
09:45-10:00	Workshop Objectives	Convener team	
Session 1a	Quiet and Discrete Arcs – Observations	Chairperson: Ryuho Kataoka	
10:00-10:30	The auroral theory-observation gap	David Knudsen	
10:30-11:00	Ground-based observations of auroral arcs	Noora Partamies	
11:00-11:30	Coffee Break		
11:30-12:00	Discrete auroral arcs: Quiet versus oscillating	Megan Gillies	
12:00-12:30	Optical auroral structures and energy characteristics of their source populations	Nithin Sividas	
12:30-14:00	Lunch		
14:00-14:30	Electrodynamics of multiple quiet-arc systems	Jiashu Wu	
Session 1b	Quiet and discrete arcs - Theories	Chairperson: Tomas Karlsson	
14:30-15:00	Quasi-stationary coupling between magnetospheric plasma interfaces/generators and the auroral ionosphere	Marius Echim	
15:00-15:30	Structure formation and arc dynamics in the feedback M-I coupling	Tomo-Hiko Watanabe	
15:30-16:00	Why does the quiet arc occur and why does the onset arc start from its equatorward edge?	Shigeru Fujita	
16:00-16:30	Coffee Break		
16:30-17:00	A Satellite Mission to Determine the Magnetospheric Processes Driving Aurora	Joe Borovsky	
17:00-18:00	General discussion	All participants	
18:00	Welcome Reception - Hallerstrasse 6, 1st floor		



Tuesday, 7 August 2018			
Time	Topic	Speaker	
Session 2	Auroral arcs and M-I Coupling	Chairperson: Noora Partamies	
09:00-09:30	The acceleration region of quiet discrete arcs	Thomas Karlsson	
09:30-10:00	Comparison of low altitude observations of discrete arcs with high altitude observations and global simulations	Bob Strangeway	
10:00-10:30	On the magnetospheric sources of active auroral forms	Victor Sergeev	
10:30-11:00	TBD	Joachim Birn	
11:00-11:30	Coffee Break		
11:30-12:00	Solar wind-magnetosphere-ionosphere coupling and auroral dynamics	Steve Milan	
12:00-12:30	Magnetosphere-ionosphere coupling and the dynamics of auroral arcs	Bob Lysak	
12:30-14:00	Lunch		
Session 3	Dynamic Aurora – Substorm-related	Chairperson: Joe Borovsky	
14:00-14:30	Morphology of Substorm Aurora - Equatorward Motion and Poleward Expansion	Antonius Otto	
14:30-15:00	Beads and substorm breakup aurora	Colin Forsyth	
15:00-15:30	Transient auroral brightenings and their M-I coupling processes	Toshi Nishimura	
15:30-16:00	Coffee Break		
16:00-16:30	Auroral Streamers, Omega Bands, Contact Breakups and Substorm Onsets	Mike Henderson	
16:30-18:00	General discussion	All participants	



Wednesday, 8 August 2018			
Time	Topic	Speaker	
Session 4	Dynamic Aurora – Small scale	Chairperson: Kristina Lynch	
09:00-09:30	Fine structures of aurora	Ryuho Kataoka	
09:30-10:00	Small-scale auroras associated with Alfven waves and pitch- angle scattering, and a future formation-flight satellite project FACTORS	Takeshi Sakanoi	
10:00-10:30	High-resolution optical observations of dynamic small-scale aurora	Dan Whiter	
10:30-11:00	General discussion		
11:00-11:30	Coffee Break		
11:30-12:00	Some 'new' physics observed in the auroral acceleration region	Chris Chaston	
12:00-12:30	In-situ observation of the return current of FAC and Aurora at other planets	Laila Andersson	
	Free afternoon		



Thursday, 9 August 2018		
Time	Topic	Speaker
Session 5	Characterizing and explaining auroral structure in space and time	Chairperson: Laila Andersson
09:00-09:30	Combining groundbased and in situ observations: Isinglass and ARCS	Kristina Lynch
09:30-10:00	Gradients along auroral arcs	Octav Marghitu
10:00-10:30	Formation of Alfvenic Electrostatic Plasma Structures and High Energy Auroral Particle Acceleration	Yan Song
10:30-11:00	Coffee Break	
11:00-11:30	Spatio-temporal structure of discrete arcs associated with Alfven waves	Robert Rankin
11:30-12:00	Magnetospheric and auroral observations of pre- onset dynamics	Larry Kepko
12:00-14:00	Lunch	
Session 6	Diffuse and Pulsating Aurora	Chairperson: Toshi Nishimura
14:00-14:30	Periodicity and spatial scale of wave-particle interactions in the magnetosphere	Yuto Katoh
14:30-15:00	Diffuse and pulsating aurora and electrostatic electron cyclotron harmonic waves	Mizuki Fukizawa
15:00-15:30	Spatio-temporal dynamics of cusp aurora and pulsating aurora	Marc Lessard
15:30-16:00	Coffee Break	
16:00-16:30	Morphological characteristics of polar cap aurora (+ some recent observations of pulsating aurora)	Keisuke Hosokawa
16:30-17:00	Differentiating pulsating auroral patches	Eric Grono
17:00-18:00	General Discussion	All participants
19:00	Workshop Dinner at the Altes Tramdepot (organized by ISS	SI)



ISSI Workshop Program, 6-10 August 2018

Friday, 10 August 2018			
Time	Topic	Speaker	
Session 7	Dayside, polar cap, and sub-auroral	Chairperson: Steve Milan	
09:00-09:30	Dayside aurora	Harald Frey	
09:30-10:00	Solar wind influence on formation and motion of polar cap aurora	Anita Kullen	
10:00-10:30	Polar cap aurora and its relation to nightside auroral activity	Ying Zou	
10:30-11:00	Coffee Break		
11:00-11:30	Mesoscale structures in the auroral and sub-auroral regions	Beatrice Gallardo-Lacourt	
11:30-12:00	Studying polar cap aurora using observations from ground-based and spacecraft instruments	Jade Reidy	
12:00-13:30	Lunch		
13:30-16:30	Discussion and planning for special issue		

End of meeting