

Program for SWCMA2023

International workshop on Space Weather and Climate at Mars with a focus on Martian Aurora 2023

August 8 (day 1)

13:00	(registration open)	
13:30-13:40	Kanako Seki	Welcome address (scope of the workshop and logistics)
13:40-13:50	all participants	Self-introduction
Presentation by early career researchers		
13:50-14:00	Ryoya Sakata	Effects of an intrinsic magnetic field on ion escape from Mars based on multispecies and multifluid MHD simulations
14:00-14:10	Yuki Nakamura	Simulation of SEP-induced diffuse auroral emissions and photochemistry on Mars
14:10-14:20	Moa Persson	TBD
14:20-14:30	Taishin Okiyama	Effects of magnetic field structure on the Martian diffuse aurora based on Monte Carlo simulations and MAVEN observations
14:30-14:40	Maodong Yan	Kelvin–Helmholtz Instability at Mars and Venus by a Newly-developed Multifluid Model
14:40-14:50	Tomoaki Nishioka	Numerical simulation of ion escape from a terrestrial exoplanet
14:50-15:00	Kaworu Imada	MAVEN and MEX Multipoint Observations of Solar Wind-Driven ULF Waves
15:00-15:10	Naoyuki Takeuchi	MAVEN and Mars Express observations of the nightside ionosphere and tailward ion escape of Mars
15:10-15:20	Noritsugu Nagata	Escape of Martian atmosphere, Dependence of Martian upper atmosphere on magnetic field
15:20-15:50	(break)	
Introduction of two focus groups and their tasks (background and goal)		
15:50-16:20	S. Sakai, R. Sakata, and Y. Nakamura	(A) Numerical Modeling Group
16:20-16:50	H. Nakagawa and Y. Harada	(B) Observation Science Planning Group
Highlights from Martian aurora observations		
16:50-17:20	Nick Schneider (invited)	Aurora observations by MAVEN (TBC)
17:20-17:50	Justin Deighan (invited)	Aurora observations by EMM (TBC)
18:00-19:00	(dinner)	
Forthcoming future missions		
20:00-20:30	Rob Lillis (invited)	Overview of the ESCAPE mission (TBC)
20:30-20:50	Hironu Nakagawa	Overview of the MMX mission and collaboration with ESCAPE
20:50-21:00	Takuya Hara and Yuki Harada	Coordinated observation opportunity
21:00-(22:00)	(Discussions)	(The room is available until 22:00)

August 9 (day 2)

07:30-09:00	(breakfast)	*Please have breakfast at the restaurant within this time period
Role of numerical modeling		
09:00-09:30	Yingjuan Ma (invited)	Role of global MHD simulations of Martian space weather research (TBC)
09:30-09:45	(break)	
Focus Group Discussions		
09:45-11:45	Splinter session 1	
12:00	(lunch)	
Focus Group Discussions		
13:00-15:00	Splinter session 2	
15:15-21:00	(Excursion to Kamakura)	*We will visit Yuigahama beach, Komachi-dori, and Tsuruoka Hachimangu Shrine, and then have a workshop banquet

August 10 (day 3)

07:30-09:00	(breakfast)	*Please have breakfast at the restaurant within this time period
Focus Group Discussions		
09:00-11:45	Splinter session 3	
12:00	(lunch)	
Joint discussions about Focus Topic (B)		
13:00-13:30	H. Nakagawa and Y. Harada	Summary of Splinter sessions
13:30-15:00	discussions (TBD by group leads)	
15:00-15:30	(break)	
Joint discussions about Focus Topic (A)		
13:00-13:30	S. Sakai, R. Sakata, and Y. Nakamura	Summary of Splinter sessions
13:30-15:00	discussions (TBD by group leads)	
18:00-19:00	(dinner)	
20:00-22:00	Additional Discussions and/or Social Gathering *Participation is optional (some snacks and drinks will be available)	

August 11 (day 4)

07:30-09:00	(breakfast)	*Please have breakfast at the restaurant within this time period
Wrap-up sessions		
09:00-10:00	S. Sakai, R. Sakata, and Y. Nakamura	Focus Group (A) wrap-up
10:00-10:30	(break)	
10:30-11:30	H. Nakagawa and Y. Harada	Focus Group (B) wrap-up
11:30-11:50	Discussions about possible future collaboration	
11:50-12:00	Closing comments	
12:00	Adjourn	