Pulsating Aurora Workshop

脈動オーロラ研究集会

Organizer: K. Hosokawa (UEC) & Y. Miyoshi (ISEE, Nagoya U.)

Time: July 2-4, 2019

Place: ISEE, Nagoya University Building II

Meeting room in the 3rd & 4th Floor (研究所共同館-II 3F, 4F 会議室)

Co-sponsored by (共催)

- ◆ Inner Magnetosphere Subgroup/SGEPSS(SGEPSS 内部磁気圏分科会)
- ◆ JSPS Research Grant-S: Pulsating Aurora Project (科研費補助金: 基盤S)
- ◆ JSPS- Bilateral Project: Japan-Russia (科研費補助金: 二国間 日本-ロシア)

July 2 (Tue)	https://zoom.us/j/216730402
13:00-13:10	Introduction to the PsA meeting
	Keisuke Hosokawa (UEC)
13:10-13:30	Latitudinal dependence of internal modulation of PsA seen in simultaneous optical observations from
	4 stations in Scandinavia
	Yuki Kawamura (UEC) et al.
13:30-13:50	Narrow field-of-view high-speed imager observation of PsA and burst observation by Arase
	Herbert Akihito Uchida (NIPR) et al.
13:50-14:10	Observations of PsA during Arase and ground-based conjunction intervals in March 2019
	Keisuke Hosokawa (UEC) et al.
14:10-14:40	Comparison of spacecraft data on quasi-periodic VLF emissions with the flow cyclotron maser model
	Andrei Demekhov (PGI)
14:40-15:10	Break
15:10-15:40	Information about ionosphere-magnetosphere plasma: extracting from optical and VLF observations.
	Boris Kozelov (PGI)
15:40-16:00	Large-scale characteristics of pulsating aurora periodicities: multi-point high-speed optical
	observations in Scandinavia
	Satoshi Ebukuro (UEC) et al.
16:00-16:20	Low energy electron precipitation by ECH waves based on Arase observations
	Mizuki Fukizawa (Tohoku Univ.) et al.
16:20-16:40	Fine-scale visualization of aurora in a wide area using color digital images from the International
	Space Station
	Sota Nanjo (UEC) et al.
16:40-17:00	Interhemispheric differences of the high-latitude ionospheric convection patterns deduced
	from Cluster/EDI observations
	Matthias Förster (GFZ German Research Centre for Geosciences) and Stein Haaland (Max-Planck-Institute)
18:00-	Banquet

July 3 (Wed)	https://zoom.us/j/125350080
09:30-09:50	Auroral arc and pulsating aurora associated with Pc5 field line resonance Natsuo Sato (NIPR)
09:50-10:10	Enhancement of whistler-mode chorus in association with Pc 4-5 ULF waves and related variation of high energy electrons
	Atsuhiro Oono (Tohoku Univ.) et al.
10:10-10:30	Variations of cosmic noise absorption (CNA) by energetic electron precipitation (EEP) and changes
	of the auroral morphology
	Taishiro Miyamoto (ISEE, Nagoya U.) et al.
10:30-10:50	Break
10:50-11:10	Spatio-temporal development of magnetospheric ELF/VLF waves estimated by PWING-ERG-RBSP
	wave measurements, POES particle measurements, and RAM simulations for the 26-30
	March 2017 storm
	Yuhei Takeshita (ISEE, Nagoya U.) et al.
11:10-11:30	PARM: Investigation of precipitating high-energy electrons into the auroral ionosphere with RockSat-XN and LAMP sounding rockets
	Kazushi Asamura (ISAS/JAXA) et al.
11:30-11:50	PARM-HEP Observation of Precipitating High Energy Electrons over Pulsating Aurora
	Taku. Namekawa (Tokyo Univ.), Takefumi Mitani (ISAS/JAXA), and Kazushi Asamura (ISAS/JAXA)
11:50-13:00	Lunch break
13:00-13:20	Computer simulation for precipitating PsA electrons and variation of auroral luminosity
	Yoshizumi Miyoshi (ISEE, Nagoya U.) and Shinji Saito (NICT)
13:20-13:40	The development of an auroral camera for the LAMP rocket experiment
10.40.14.00	Naoshi Yagi (Tohoku Univ.), et al.
13:40-14:00	Status of the development of LAMP/MIM onboard the LAMP rocket Masahito Nose (ISEE, Nagoya Univ.), et al.
14:00-14:20	Discussion on the LAMP rocket experiment
14.00-14.20	Lead: Kazushi Asamura (ISAS/JAXA)
14:20-14:40	Discussion on Arase-ground conjunction in 2019-2020 winter season
	Lead: Keisuke Hosokawa (UEC) and Yoshizumi Miyoshi (ISEE, Nagoya U.)
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14:40-15:00	Discussion

JSPS- Bilateral Project: Japan-Russia Meeting

Organizer: Shin-ichiro Oyama (ISEE, Nagoya U.)

Sponsored by JSPS- Bilateral Project: Japan-Russia (科研費補助金: 二国間 日本-ロシア)

July 3 (Wed) - Day 2 (following the Pulsating Aurora Workshop)

16:00-18:00 Check event lists prepared by Japan and PGI (#1)

18:00- Dinner

July 4 (Thu) - Day 3

09:00-09:10 Opening

Shin-ichiro Oyama (ISEE, Nagoya U.)

09:10-09:25 Status Report of ERG

Yoshizumi Miyoshi (ISEE, Nagoya U.)

09:25-09:40 Status Report of Japanese Ground-based Instruments

Keisuke Hosokawa (UEC)

09:40-09:55 Status Report of PGI Ground-based Instruments & Annual Meeting at Apatity

Boris Kozelov (PGI)

09:55-10:15 Break

10:15-10:25 Project Plan proposed in the Japanese Application

Shin-ichiro Oyama (ISEE, Nagoya U.)

10:25-10:35 Project Plan proposed in the Russian Application

Andrei Demekhov (PGI)

10:35-12:00 Event Presentation: methodology and assignment of the task (#1)

12:00-13:30 Lunch

13:30-15:00 Event Presentation: methodology and assignment of the task (cont.)

15:00-15:10 Short break

15:10-16:00 Research Presentation

Nonlinear EMIC wave-particle interaction analysis: Arase observation

Masafumi Shoji (ISEE, Nagoya U.) et al.

Conjugated quasi-periodic ELF/VLF emissions between the Arase satellite and both Van Allen Probes

Claudia Martinez-Calderon (ISEE, Nagoya U.) et al.

16:00- Individual Research Meeting

#1: Mainly based on camera data, each group (Kiban-S and PGI) prepares event list in advance.

At the afternoon slot on 07/03, the lists are compared to find good events. The selected events are

presented at the second slot on 07/04.