9. Publications and Presentations

Papers (in refereed Journals, April 2019–March 2020)

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Books (April 2019–March 2020)

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Wacker, L., M. Baroni, F. Mekhaldi, **F. Miyake**, and M. Oinonen, Chapter 5: Measurements of Radionuclides, 5.1–5.14, *Extreme Solar Particle Storms: The hostile Sun*, edited by **F. Miyake**, I. Usoskin, and S. Poluianov, 300pp, IOP Publishing Ltd, U.K., Feb. 28, 2020 (10.1088/2514-3433/ab404ach5).

One more book was published in Japanese.

Publication of Proceedings (April 2019–March 2020)

Title	Date of Publication
Proceedings, 20th International Symposium on Very High Energy Cosmic Ray Interactions (ISVHECRI 2018): Nagoya, Japan, May 21-25, 2018. Edited by B. Pattison(ed.), Y. Itow(ed.), T. Sako(ed.), H. Menjo(ed.) Published in: EPJ Web Conf. 208 (2019), Contribution to: ISVHECRI 2018	May 13, 2019
Book of Abstracts: iLEAPS/IGAC-Japan Joint Workshop 2019	Sep. 6, 2019
Book of Abstracts: JpSAC Annual Meeting 2019	Nov. 5, 2019
The 8th East Asia Accelerator Mass Spectrometry Symposium (EA-AMS 8) Agenda & Abstract	Dec. 3, 2019
Extreme Solar Particle Storms, Miyake, F., I. G. Usoskin, S. Poluianov, Eds. IOP Publishing, doi:10.1088/2514-3433/ab404a	Dec. 12, 2019
Proceedings of the 8th East Asia Accelerator Mass Spectrometry Symposium and the 22nd Japan Accelerator Mass Spectrometry Symposium	Mar. 31, 2020

Conference Presentations (April 2019–March 2020)

■ International Conferences

* Session Conveners

Title	Country/ Region	Date	Orga-nizers	Number of Presentations			
				Staffs and PDs	Students	Total	Invited
European Geosciences Union General Assembly	Vienna, Austria	Apr. 7–12, 2019	0	2	0	2	2
Tropical Cyclone Conference, NOAA	Honolulu, HI, USA	Apr.10–12, 2019	0	1	0	1	0
The 40th Anniversary Symposium of the US-Japan Science and Technology Cooperation Program in High Energy Physics	Honolulu, HI, USA	Apr. 15–16, 2019	0	1	0	1	1
SOLAS Open Science Conference	Sapporo, Japan	Apr. 21–25, 2019	0	1	1	2	0
GODAE Ocean View Symposium 2019 – Ocean Predict '19	Halifax, Canada	May 6–10, 2019	0	1	0	1	0
World Data System Asia-Oceania Conference 2019	Beijing, China	May 7–8, 2019	0	1	0	1	0
Workshop on International Space Weather Initiative (ISWI)	Trieste, Italy	May 20–24, 2019	0	1	0	1	1
2019 Joint NDACC-IRWG and TCCON Meeting	Wanaka, New Zealand	May 20–24, 2019	0	2	0	2	0
Radiocarbon and Archaeology 9th International Symposium	Athens, GA, USA	May 20–24, 2019	0	1	0	1	0
EISCAT_3D user meeting	Uppsala, Sweden	May 21–22, 2019	0	1	0	1	0
Taiwan Geosciences Assembly	Taipei, Taiwan	May 21–25, 2019	0	2	0	2	2
Japan Geoscience Union Meeting 2019	Chiba, Japan	May 26–30, 2019	0	34	14	48	6
SuperDARN workshop 2019	Fuji, Japan	Jun. 2–7, 2019	1	9	3	12	3
Magnetosphere of Outer Planets	Sendai, Japan	Jun. 3–7, 2019	0	1	0	1	1
VarSITI Closing Symposium	Sofia, Bulgaria	Jun. 10–14, 2019	1	4	0	4	3
2nd International Conference on Environmental Science and Technology 2019	Ulanbaatar, Mongolia	Jun. 13–14, 2019	0	0	1	1	0
The TCOI 2019 Workshop	Jeju, Korea	Jun. 19, 2019	0	1	0	1	1
22nd Conference on Atmospheric and Oceanic Fluid Dynamics	Portland, ME, USA	Jun. 24–28, 2019	0	1	0	1	0
14th International Conference on Numerical Modeling of Space Plasma Flows (ASTRONUM 2019)	Paris, France	Jul. 1–5, 2019	0	2	0	2	1
Pulsating Aurora Workshop	Nagoya, Japan	Jul. 2–3, 2019	1	2	2	4	0
JSPS- Bilateral Project: Japan-Russia Meeting	Nagoya, Japan	Jul. 4, 2019	1	4	0	4	0
27th IUGG General Assembly	Montreal, Canada	Jul. 8–18, 2019	0	12	2	14	0
Workshop of Solar Radio Astronomy	Beijing, China	Jul. 22–24, 2019	0	1	0	1	0
36th International Cosmic Ray Conference （ICRC2019)	Madison, WI, USA	Jul. 24–Aug. 1, 2019	0	3	3	6	1
20th Congress of the International Union for Quaternary Research (INQUA)	Dublin, Ireland	Jul. 25–31, 2019	0	1	0	1	0
Asia Oceania Geosciences Society (AOGS) 16th Annual Meeting	Singapore	Jul. 28–Aug. 2, 2019	2*	7	1	8	5
Ion Composition in the Sun-Earth System (ICSES) meeting	Durango, CO, USA	Jul. 28–Aug. 3, 2019	0	1	0	1	1
9th East-Asia School and Workshop on Laboratory, Space, and Astrophysical Plasmas	Nagoya, Japan	Jul. 29–Aug. 2, 2019	4	2	3	5	0

Title	Country/ Region	Date	Orga-nizers	Number of Presentations			
				Staffs and PDs	Students	Total	Invited
48th International Conference on Parallel Processing (ICPP2019)	Kyoto, Japan	Aug. 5–8, 2019	0	1	0	1	0
Goldschmid 2019	Barcelona, Spain	Aug. 18–23, 2019	0	1	0	1	0
19th International EISCAT Symposium 2019 and 46th Annual European Meeting on Atmospheric Studies by Optical Methods	Oulu, Finland	Aug. 19–23, 2019	0	2	1	3	1
11th Circum-Pan-Pacific Symposium on High Energy Spin Physics	Miyazaki, Japan	Aug. 27–30, 2019	0	1	0	1	1
AsiaPEX Kickoff Conference 2019	Sapporo, Japan	Aug. 28–30, 2019	0	2	0	2	0
Hinode-13/IPELS 2019 meeting	Tokyo, Japan	Sep. 2–6, 2019	0	6	2	8	3
URSI-Japan Radio Science Meeting (URSI-JRSM) 2019	Chofu, Japan	Sep. 5–6, 2019	0	7	0	7	2
CLICCS Workshop on Waves	Bad Segeberg, Germany	Sep. 9–10, 2019	0	1	0	1	1
16th International Conference on Topics in Astroparticle and Underground Physics (TAUP2019)	Toyama, Japan	Sep. 9–13, 2019	0	2	1	3	0
The 2nd EPB Workshop on Scientific Challenges in Ionospheric Plasma Bubble	Beijing, China	Sep. 14–15, 2019	1	1	0	1	1
39th International Conference on Radar Meteorology	Nara, Japan	Sep. 16–20, 2019	1	4	1	5	0
The International Symposium on Space Science 2019	Bandung, Indonesia	Sep. 25, 2019	0	1	0	1	1
14th International Conference on Substorms	Tromsø, Norway	Sep. 29–Oct. 4, 2019	1	0	0	0	0
SiPM Workshop	Bari, Italy	Oct. 2–4, 2019	1	0	1	1	0
The Xth International Symposium on "C/H_2O/Energy balance and climate over the boreal and Arctic regions with special emphasis on Eastern Eurasia" & 1st Joint Research Laboratory meeting on Sustainable Development of the North	Sapporo, Japan	Oct. 4–6, 2019	1	1	0	1	0
Chemical Aeronomy in the Mesosphere and Ozone in the Stratosphere (CHAMOS) Workshop	Helsinki, Finland	Oct. 8–11, 2019	0	2	0	2	0
National Institute of Meteorological Sciences	Jeju, Korea	Oct. 10–11, 2019	0	2	0	2	2
SEVERE WEATHER and TAHOPE Planning workshop	Taipei, Taiwan	Oct. 15, 2019	0	1	0	1	1
2019 NDACC Steering Committee Meeting	Tsukuba, Japan	Oct. 15–17, 2019	1	0	0	0	0
NDACC Science Workshop in Tsukuba	Tsukuba, Japan	Oct. 17–19, 2019	1	2	0	2	1
PICES-2019 Annual Meeting: Connecting Science and Communities in a Changing North Pacific	Victoria, Canada	Oct. 16–27, 2019	1*	0	0	0	0
2019 TCCIP International Workshop on Climate Change (IWCC2019)	Taipei, Taiwan	Oct. 22–24, 2019	0	1	0	1	0
The 4th COSPAR Symposium	Herzliya, Israel	Nov. 4–8, 2019	0	1	0	1	0
3rd Asia-Pacific Conference on Plasma Physics	Hefei, China	Nov. 4–8, 2019	0	1	0	1	1
Approaches for Hydrospheric-Atmospheric Environmental Studies in Asia-Oceania	Nagoya, Japan	Nov. 8–9, 2019	1	3	2	5	0
Dark matter searches in the 2020s -At the crossroads of the WIMP	Kashiwa, Japan	Nov. 11–13, 2019	0	0	1	1	0
VarSITI Summarizing Workshop	Nagoya, Japan	Nov. 11–15, 2019	1	0	0	0	0
Forum of U.S.-Japan Alliance in a New Space Age: Back to the Moon	Cambridge, MA, USA	Nov. 15, 2019	0	1	0	1	1

Title	Country/ Region	Date	Orga-nizers	Number of Presentations			
				Staffs and PDs	Students	Total	Invited
Workshop on Radio Science and Wave Measurement Technology in Space Plasma	Kanazawa, Japan	Nov. 19, 2019	0	3	0	3	0
8th International EarthCARE Science Workshop	Fukuoka, Japan	Nov. 25–27, 2019	1	1	0	1	0
High Frequency Radar Data Application Seminar	Beijing, China	Nov. 27, 2019	0	1	0	1	1
Korea-Japan Space Weather Workshop 2019	Daejeon, Korea	Nov. 28–29, 2019	0	8	0	8	0
The Tenth Symposium on Polar Science	Tchikawa, Japan	Dec. 3–5, 2019	0	6	2	8	0
The 8th East Asia Accelerator Mass Spectrometry Symposium (EA-AMS 8)	Nagoya, Japan	Dec. 3–6, 2019	4	5	1	6	0
Interplanetary Scintillation (IPS) 2019 Workshop	Arecibo, Puerto Rico	Dec. 4–7, 2019	1	0	0	0	0
Astrophysical and Solar MHD Workshop at RIMS	Kyoto, Japan	Dec. 9, 2019	0	1	0	1	1
AGU fall meeting 2019	San Francisco, CA, USA	Dec. 9–13, 2019	1*	18	6	24	1
The 7th Asian/16th Korea-Japan Workshop on Ocean Color (7th AWOC/16th KJWOC)	Chonburi, Thailand	Dec. 11–14, 2019	1	2	3	5	0
Observatory Days 2020	Sodankylä, Finland	Jan. 8–10, 2020	0	1	0	1	0
2020 ERG Science and Space Weather Workshop	Taoyuan, Taiwan	Jan. 13–15, 2020	1	6	0	6	0
International Conference on High Performance Computing in Asia-Pacific Region (HPCAsia2020)	Fukuoka, Japan	Jan. 15–17, 2020	0	1	0	1	0
GNSS Positioning and Total Electron Content Analysis Workshop	Chumphon, Thailand	Jan. 17–18, 2020	0	2	0	2	2
The Joint PI Meeting of JAXA Earth Observation Missions FY2019	Tokyo, Japan	Jan. 20–24, 2020	0	4	0	4	0
2020 GEWEX Data and Analysis Panel (GDAP) Meeting	Tucson, AZ, USA	Jan. 22–24, 2020	0	1	0	1	1
The 4th PSTEP International Symposium (PSTEP-4) and the 2nd ISEE Symposium “Toward the Solar-Terrestrial Environmental Prediction as Science and Social Infrastructure”	Nagoya, Japan	Jan. 28–30, 2019	7	18	7	25	0
United Nations Office for Outer Space Affairs, Science and Technical Subcommittee (STSC), Space Weather Agenda	Vienna, Austria	Feb. 3–4, 2020	0	1	0	1	0
Ocean Sciences Meeting 2020	San Diego, CA, USA	Feb. 16–21, 2020	0	2	1	3	0
Japanese-Czech Symposium on Space Physics	Prague, Czech	Mar. 3–4, 2020	0	1	0	1	0
The 43rd annual Apatity seminar “Physics of Auroral Phenomena”	Apatity, Russia	Mar. 10–12, 2020	0	1	0	1	0
ISAR-6 online meeting	(online)	Mar. 27–Apr. 10, 2020	1	2	0	2	0
Total			33 4*	228	59	287	50

■ Domestic Coferences

* Session Conveners

Number of Conferences	Organizers	Number of Presentations			
		Staffs and PDs	Students	Total	Invited
84	40 24*	222	78	300	14

■ Lectures for Researchers

Date	Title	Number of Paticipants
Apr. 16, 2019, Jun. 18, 2019, Jun. 27, 2019, Jul. 22, 2019, Spt. 20, 2019, Nov. 26, 2019, Dec. 23, 2019, Feb. 27, 2020	PSTEP Seminar	60 a time on average
Apr. 4, 2019, Apr. 23, 2019, Jun. 14, 2019, Jun. 18, 2019, Jun. 26, 2019, Jul. 18, 2019, Sep. 19, 2019, Sep. 24, 2019, Sep. 25, 2019, Oct. 3, 2019, Oct. 23, 2019, Oct. 30, 2019, Jan. 31, 2020, Feb. 6, 2020, Feb. 26, 2020	ISEE/CICR Colloquium	20 a time on average
Apr. 18, 2019, Apr. 25, 2019, May 9, 2019, May 16, 2019, May 30, 2019	ROOT Training Workshop 2019	100
Jun. 8–9, 2019	SuperDARN 2019 Onsite School	4
Sep. 9–10, 2019	Virtual Laboratory for the Earth's Climate Diagnostics Program Tutorial/lecture	34
Sep. 19, 2019	SPEDAS Training Session I & II	75
Sep. 26–27, 2019	Seminar for Young Scientists and Graduate Student	30
Sep. 30, 2019	Seminar for Young Scientists and Graduate Student	8
Nov. 27–Dec. 6, 2019	The Twenty-ninth IHP Training Course in Nagoya "Changing Global Water Cycle and the Regional Responses"	6
Jan. 15, 2020	SPEDAS Training Session I & II	10
Feb. 12, 2020	Joint Meeting of ISEE Technical Support Division and JAXA/ISAS Advanced Machining Technology Group	30

Awards

■ Staffs and PDs

Award Winners	Date	Awards	Title
Hirohiko Masunaga	May 16, 2019	Award of the Meteorological Society of Japan	Studies of tropical convective dynamics by combined analysis of satellite observations
Yuichi Otsuka	May 29, 2019	Tanakadate Award of Society of Geomagnetism and Earth, Planetary and Space Sciences (SGEPSS)	Study of ionospheric disturbances at low and middle latitudes using GPS and radar observations
Yuichi Otsuka	May 30, 2019	AGU's Outstanding Reviewers of 2018	Radio Science
Masayo Minami (F.A. Shigeyuki Wakaki)	Jul. 2, 2019	13th Outstanding Poster Award, The 36th Annual Meeting of Japan Society for Scientific Studies on Cultural Properties	Radiogenic and stable Sr isotope study of cremated bone apatite: dietary analysis and the effect of diagenetic alteration
Masafumi Shoji	Oct. 25, 2019	Obayashi Early Career Scientist Award（SGEPPS)	Study on nonlinear wave-particle interaction of electromagnetic ion cyclotron waves
Minrui Wang	Sep. 19, 2019	Outstanding Papar of AJAE, Japan Society for Atmospheric Environment,	Minrui Wang, Kenji Kai, Nobuo Sugimoto, and Sarangerel Enkhmaa, Meteorological Factors Affecting Winter Particulate Air Pollution in Ulaanbaatar from 2008 to 2016. *AJAE*, Vol. 12, No. 3
Sneha Yadav	Dec. 18, 2019	INSA Medal for Young Scientists	Contribution towards understanding of low latitude ionosphere specific to Indian longitudes under varying space weather conditions

■ Students

Award Winners	Date	Awards	Title
Ken Ohashi	May, 2019	Student Presentation Award of the Physical Society of Japan	MC study for the effect of diffractive events on the air shower developments
Riku Ishijima	May 29, 2019	SGEPSS Student Presentation Award (Aurora Medal)	A statistical analysis of ozone depletion in the polar mesosphere caused by precipitating solar protons
Heqiucen Xu	Jul. 10, 2019	JpGU 2019 Outstanding Student Presentation Award	Study of quiet-time high-latitude thermospheric winds using a Fabry-Perot interferometer at Tromsoe: Averages and exceptional events
Toshiki Kawai			Detection and energy derivation of nano-flares based on deep learning
Kosuke Ozaki	Sep. 12, 2019	16th International Conference on Topics in Astroparticle and Underground Physics TAUP 2019 Poster Honourable Mention	Characterization of new photo-detectors for the future dark matter experiments with liquid xenon

Additionally, one domestic award