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CURRICULUM VITAE (As of 2 October 2026)

Personal

Date of Birth: August 20, 1976

Nationality: Japan

Education

2010.07: Ph.D., Graduate School of Science, Kyoto University, Kyoto, Japan

2001.03: M.S., Graduate School of Science, Kyoto University, Kyoto, Japan

1999.03: B.S., Faculty of Science, Kyoto University, Kyoto, Japan

Professional experiences

2026.10–: Professor, Faculty of Sustainable Design, University of Toyama

2022.04–2026.03: Visiting Associate Professor, Center for Environmental Remote Sensing (CERES), Chiba University

2018.04–2026.09: Associate Professor, Faculty of Sustainable Design, University of Toyama

2016.04–2018.03: Project Assistant Professor, Division of Climate System Research, Atmosphere and Ocean Research Institute, the University of Tokyo

2011.02–2016.03: Postdoctoral Fellow, Division of Climate System Research, Atmosphere and Ocean Research Institute, the University of Tokyo

2010.09–2011.01: Senior Project Researcher, Research Institute for Humanity and Nature

2009.07–2010.08: Project Researcher, Research Institute for Humanity and Nature

2009.02–2009.06: Project Research Associate, Research Institute for Humanity and Nature

2007.06–2007.11: Research Assistant, Graduate School of Science, Kyoto University

2006.06–2007.02: Research Assistant, Graduate School of Science, Kyoto University

2004.06–2005.03: Research Assistant, Graduate School of Science, Kyoto University

2003.10–2004.03: Research Assistant, Graduate School of Science, Kyoto University

Peer-reviewed papers

- [39] Navarro, S. M., K. Yasunaga, **A. Hamada**, and K. Weyoshi, 2026: Maintenance of moisture anomalies across synoptic and intraseasonal timescales over the Indo-Pacific warm pool. *J. Geophys. Res.*, Vol. 131, doi:10.1029/2025JD045746.
- [38] Syarifuddin, M., S. Oishi, H. M. Sengadji, C. N. Namah, M. Masria, and **A. Hamada**, 2026: Integrating rainfall return periods in MCDA-based flood risk mapping: A fuzzy-AHP case study in an ungauged watershed. *Stochastic Environmental Research and Risk Assessment*, doi:10.21203/rs.3.rs-5926718/v1.
- [37] Hiraga, Y., J. M. Mbugua, S. Kotsuki, Y. Suzuki, S.-H. Chen, **A. Hamada**, K. Yasunaga, and T. Funatomi, 2026: Numerical experiments of cloud seeding for mitigating localization of heavy rainfall: A case

study of mesoscale convective system in Japan. *Nat. Hazards Earth Syst. Sci.*, Vol. 26, pp. 1287–1303, doi:10.5194/nhess-26-1287-2026. **(Highlight paper)**

- [36] **Hamada, A.**, C. Yokoyama, H. Tsuji, Y. Ikuta, S. Shige, M. Yamaji, T. Kubota, and Y. N. Takayabu, 2024: Spectral latent heating retrieval for the midlatitudes using Global Precipitation Measurement Dual-frequency Precipitation Radar. Part II: Development and validation of the retrieval algorithm. *J. Appl. Meteor. Climatol.*, Vol. 64, pp. 45–61, doi:10.1175/JAMC-D-23-0218.1.
- [35] Yokoyama, C., **A. Hamada**, Y. Ikuta, S. Shige, M. Yamaji, H. Tsuji, T. Kubota, and Y. N. Takayabu, 2024: Spectral latent heating retrievals for the midlatitudes using GPM DPR. Part I: Construction of look-up tables. *J. Appl. Meteor. Climatol.*, Vol. 64, pp. 21–43, doi:10.1175/JAMC-D-23-0217.1.
- [34] Tsuji, T., K. Yasunaga, and **A. Hamada**, 2024: Statistical characteristics of drop size distributions in the warm season over the Sea of Japan. *SOLA*, Vol. 20, pp. 255–263, doi:10.2151/sola.2024-034.
- [33] Okugawa, R., K. Yasunaga, **A. Hamada**, and S. Yokoi, 2024: Numerical study on the precipitation concentration over the western coast of Sumatra Island. *Mon. Wea. Rev.*, Vol. 152, pp. 689–704, doi:10.1175/MWR-D-23-0037.1.
- [32] Fukuda, K., K. Yasunaga, R. Oyama, A. Wada, **A. Hamada**, and H. Fudeyasu, 2020: The diurnal cycle of clouds in tropical cyclones over the western north Pacific basin. *SOLA*, Vol. 16, pp. 109–114, doi:10.2151/sola.2020-019.
- [31] Yamaji, M., H. G. Takahashi, T. Kubota, R. Oki, **A. Hamada**, and Y. N. Takayabu, 2020: 4-year climatology of global drop size distribution and its seasonal variability observed by spaceborne dual-frequency precipitation radar. *J. Meteor. Soc. Japan*, Vol. 98, pp. 755–773, doi:10.2151/jmsj.2020-038.
- [30] Yasunaga, K., **A. Hamada**, and K. Nishii, 2019: An increasing trend in the early-winter precipitation around Japan and its relationship with enhanced heating over the tropical eastern Indian Ocean. *SOLA*, Vol. 15, pp. 238–243, doi:10.2151/sola.2019-043.
- [29] Yamaji, M., T. Kubota, H. G. Takahashi, **A. Hamada**, Y. N. Takayabu, and R. Oki, 2019: Drop size distribution observed by dual-frequency precipitation radar onboard Global Precipitation Measurement core satellite. *Proc. SPIE 10782, Remote Sensing and Modeling of the Atmosphere, Oceans, and Interactions VII*, 107820H, doi:10.1117/12.2324640.
- [28] Iguchi, T., K. Kanamaru, and **A. Hamada**, 2018: Possible improvement of the GPM's dual-frequency precipitation radar (DPR) algorithm. *Proc. SPIE 10776, Remote Sensing of the Atmosphere, Clouds, and Precipitation VII*, 107760Q, doi:10.1117/12.2324290.
- [27] **Hamada, A.**, and Y. N. Takayabu, 2018: Large-scale environmental conditions related to midsummer extreme rainfall events around Japan in the TRMM region. *J. Climate*, Vol. 31, pp. 6933–6945.
- [26] Nishi, N., **A. Hamada**, and H. Hirose, 2017: Improvement of cirrus cloud-top height estimation using geostationary satellite split-window measurements trained with CALIPSO data. *SOLA*, Vol. 13, pp. 240–245.
- [25] Hirose, M., Y. N. Takayabu, **A. Hamada**, S. Shige, and M. K. Yamamoto, 2017: Spatial contrast of geographically induced rainfall observed by TRMM PR. *J. Climate*, Vol. 30, No. 11, pp. 4165–4184.
- [24] Hirose, M., Y. N. Takayabu, **A. Hamada**, S. Shige, and M. K. Yamamoto, 2016: Impact of long-term observation on the sampling characteristics of TRMM PR precipitation. *J. Appl. Meteor. Climatol.*, Vol. 56, No. 3, pp. 713–723.
- [23] Hirose, H., M. K. Yamamoto, S. Shige, A. Higuchi, T. Mega, T. Ushio, and **A. Hamada**, 2016: A rain potential map with high temporal and spatial resolutions retrieved from five geostationary meteorological satellites. *SOLA*, Vol. 12, pp. 297–301.
- [22] Inatsu, M., and **A. Hamada**, 2016: Coloring in meteorology with uniform color space. *Tenki*, Vol. 63,

No. 10, pp. 803–809. (in Japanese; 稲津 将, 濱田 篤 : 気象学の色遣い〜均等色空間を利用したカラーリング〜)

- [21] **Hamada, A.** and Y. N. Takayabu, 2016: Convective cloud-top vertical velocity estimated from geostationary satellite rapid-scan measurements. *Geophys. Res. Lett.*, Vol. 43, pp. 5435–5441, doi:10.1002/2016GL068962.
- [20] Hirota, N., Y. N. Takayabu, and **A. Hamada**, 2016: Reproducibility of summer precipitation over northern Eurasia in CMIP5 multi-climate models. *J. Climate*, Vol. 29, No. 9, pp. 3317–3337, doi:10.1175/JCLI-D-15-0480.1.
- [19] **Hamada, A.** and Y. N. Takayabu, 2016: Improvements in detection of light precipitation with the Global Precipitation Measurement dual-frequency precipitation radar (GPM DPR). *J. Atmos. Oceanic Technol.*, Vol. 33, No. 4, pp. 653–667, doi:10.1175/JTECH-D-15-0097.1.
- [18] **Hamada, A.**, Y. N. Takayabu, C. Liu, and E. J. Zipser, 2015: Weak linkage between the heaviest rainfall and tallest storms. *Nat. Commun.*, Vol. 6(6213), doi:10.1038/ncomms7213.
- [17] **Hamada, A.**, Y. Murayama, and Y. N. Takayabu, 2014: Regional characteristics of extreme rainfall extracted from TRMM PR measurements. *J. Climate*, Vol. 27, No. 21, pp. 8151–8169.
- [16] **Hamada, A.** and Y. N. Takayabu, 2014: A removal filter for suspicious extreme rainfall profiles in TRMM PR 2A25 version 7 data. *J. Appl. Meteor. Climatol.*, Vol. 53, No. 5, pp. 1252–1271.
- [15] **Hamada, A.**, N. Nishi, and H. Kida, 2013: Separation of zonally elongated large cloud disturbances over the western tropical Pacific. *J. Meteor. Soc. Japan*, Vol. 91, No. 3, pp. 375–389.
- [14] Yatagai, A., K. Kamiguchi, O. Arakawa, **A. Hamada**, N. Yasutomi, and A. Kitoh, 2012: APHRODITE: Constructing a long-term daily gridded precipitation dataset for Asia based on a dense network of rain gauges. *Bull. Amer. Meteor. Soc.*, Vol. 93, No. 9, pp. 1401–1415.
- [13] **Hamada, A.**, O. Arakawa, and A. Yatagai, 2011: An automated quality control method for daily rain-gauge data. *Global Environmental Research*, Vol. 15, No. 2, pp. 183–192.
- [12] Yasutomi, N., **A. Hamada**, and A. Yatagai, 2011: Development of long-term daily gridded temperature dataset and its application to rain/snow judgment of daily precipitation. *Global Environmental Research*, Vol. 15, No. 2, pp. 165–172.
- [11] **Hamada, A.** and N. Nishi, 2010: Observation-based estimation of cloud-top height by geostationary satellite split-window measurements trained with CloudSat data. *Proc. SPIE*, Vol. 7856, 78560D, doi:10.1117/12.869386.
- [10] Yatagai, A., K. Kamiguchi, **A. Hamada**, O. Arakawa, and N. Yasutomi, 2010: Daily precipitation analysis of using a dense network of rain gauges and satellite estimates over South Asia: Quality control. *Proc. SPIE*, Vol. 7856, 785604, doi:10.1117/12.869648.
- [9] **Hamada, A.** and N. Nishi, 2010: Development of a cloud-top height estimation method by geostationary satellite split-window measurements trained with CloudSat data. *J. Appl. Meteor. Climatol.*, Vol. 49, No. 9, pp. 2035–2049.
- [8] Suzuki, J., M. Fujiwara, **A. Hamada**, Y. Inai, J. Yamaguchi, R. Shirooka, F. Hasebe, and T. Takano, 2010: Cloud-top height variability associated with equatorial Kelvin waves in the tropical tropopause layer during the Mirai Indian Ocean cruise for the Study of the MJO-convection Onset (MISMO) campaign. *SOLA*, Vol. 6, pp. 97–100, doi:10.2151/sola.2010-025.
- [7] Kamiguchi, K., O. Arakawa, A. Kitoh, A. Yatagai, **A. Hamada**, and N. Yasutomi, 2010: Development of APHRO_JP, the first Japanese high-resolution daily precipitation product for more than 100 years. *Hydrological Research Letters*, Vol. 4, pp. 60–64.
- [6] Yatagai, A., O. Arakawa, K. Kamiguchi, H. Kawamoto, M. I. Nodzu, and **A. Hamada**, 2009: A 44-year daily gridded precipitation dataset for Asia based on a dense network of rain gauges. *SOLA*, Vol. 5, pp. 137–140, doi:10.2151/sola.2009-035.

- [5] Inoue, T., D. Vila, K. Rajendran, **A. Hamada**, X. Wu, and L. Machado, 2009: Life cycle of deep convective system over the eastern tropical Pacific observed by TRMM and GOES-W. *J. Meteor. Soc. Japan*, Vol. 87A, pp. 381–391.
- [4] Fujiwara, M., S. Iwasaki, A. Shimizu, Y. Inai, M. Shiotani, F. Hasebe, I. Matsui, N. Sugimoto, H. Okamoto, N. Nishi, **A. Hamada**, T. Sakazaki, and K. Yoneyama, 2009: Cirrus observations in the tropical tropopause layer over the western Pacific. *J. Geophys. Res.*, Vol. 114, D09304, doi:10.1029/2008JD011040.
- [3] **Hamada, A.**, N. Nishi, S. Iwasaki, Y. Ohno, H. Kumagai, and H. Okamoto, 2008: Cloud type and top height estimation for tropical upper-tropospheric clouds using GMS-5 split-window measurements combined with cloud radar measurements. *SOLA*, Vol. 4, pp. 57–60, doi:10.2151/sola.2008-015.
- [2] Nishi, N., M. K. Yamamoto, T. Shimomai, **A. Hamada**, and S. Fukao, 2007: Fine structure of vertical motion in the stratiform precipitation region observed by a VHF Doppler radar installed in Sumatra, Indonesia. *J. Appl. Meteor. Climatol.*, Vol. 46, pp. 522–537.
- [1] Nishi, N., J. Suzuki, **A. Hamada**, and M. Shiotani, 2007: Rapid transitions in zonal wind around the tropical tropopause and their relation to the amplified equatorial Kelvin waves. *SOLA*, Vol. 3, pp. 13–16, doi:10.2151/sola.2007-004.

International presentations (mostly as first/corresponding author)

- [72] Nanko, K., S. Onomura, R. Sakaguchi, Y. Sampei, **A. Hamada**, and M. Inatsu, 2026: Toward satellite precipitation product evaluation: Design and early demonstrations of portable Doppler radar raingauges. *The 23rd Annual Meeting of the Asia Oceania Geosciences Society (AOGS2026)*, Fukuoka, Japan, 02–07 August 2026.
- [71] Tsuji, T., K. Kanemaru, **A. Hamada**, and T. Kubota, 2026: Retrieval of mean bulk density and mean terminal fall velocity of ice particles from the synergy of GPM/DPR and EarthCARE/CPR observations. *The 23rd Annual Meeting of the Asia Oceania Geosciences Society (AOGS2026)*, Fukuoka, Japan, 02–07 August 2026.
- [70] **Hamada, A.**, K. Yasunaga, K. Yoshimi, and S. Kotsuki, 2026: A field campaign of aircraft experiments and ground observations for cloud seeding targeting winter convective clouds. *The 23rd Annual Meeting of the Asia Oceania Geosciences Society (AOGS2026)*, Fukuoka, Japan, 02–07 August 2026.
- [69] **Hamada, A.**, K. Yasunaga, K. Yoshimi, M. Syarifuddin, H. He, and S. Kotsuki, 2026: A field campaign of aircraft experiments and ground observations for cloud seeding targeting winter convective clouds. *JpGU-AGU Joint Meeting 2026*, Chiba, Japan, and Online, 24–29 May 2026.
- [68] Tsuji, T., S. Seto, **A. Hamada**, and T. Kubota, 2026: Snowfall retrieval from GPM/DPR using scattering models for various solid precipitation particle type. *JpGU-AGU Joint Meeting 2026*, Chiba, Japan, and Online, 24–29 May 2026.
- [67] **Hamada, A.**, C. Yokoyama, H. Tsuji, Y. Ikuta, S. Shige, M. Yamaji, T. Kubota, and Y. N. Takayabu, 2025: Spectral latent heating (SLH) algorithm for the midlatitudes using GPM/DPR. *The 30th CEReS International Symposium & The 28th CEReS Environmental Remote Sensing Symposium*, Chiba and Online, 30 November–1 December 2025.
- [66] **Hamada, A.**, K. Aonashi, Y. N. Takayabu, K. Suzuki, and K. Kanemaru, 2025: Development of near-realtime precipitation regime database for the GSMaP precipitation retrieval and combined observation of melting precipitation particles. *Joint PI Meeting of JAXA Earth Observation Missions FY2025*, Tokyo+Online, 20–24 October 2025.
- [65] **Hamada, A.**, K. Yasunaga, H. He, and M. Syarifuddin, 2025: Feasibility of upstream weather

intervention for downstream heavy rainfall mitigation based on ensemble sensitivity analysis. *Asia Oceania Geosciences Society (AOGS) 22nd Annual Meeting*, AS34-A009, Singapore, 27 July–1 Aug 2025.

- [64] **Hamada, A.**, K. Yasunaga, H. He, and M. Syarifuddin, 2025: Feasibility of upstream weather intervention for downstream heavy rainfall mitigation Based on ensemble sensitivity analysis. *Japan Geoscience Union (JpGU) Meeting 2025*, AAS01-04, Chiba, Japan, and Online, 25–30 May 2025.
- [63] Syarifuddin, M., S. Oishi, H. M. Sengadji, C. N. Namah, A. U. K. Ngaji, M. F. Pallo, and **A. Hamada**, 2025: Combining multi-sensor and multi-temporal data with machine learning to enhance flood detection in Sentinel-1 images. *Japan Geoscience Union (JpGU) Meeting 2025*, MIS04-08, Chiba, Japan, and Online, 25–30 May 2025.
- [62] **Hamada, A.**, and K. Yasunaga, 2024: Mitigation of heavy precipitation events through weather intervention. *U Toyama-RIKEN Joint Workshop on Prediction Science*, Toyama, 23–24 December 2024.
- [61] Tsuji, T., **A. Hamada**, and K. Yasunaga, 2024: Three-dimensional identification of aggregated and rimed precipitation particles using GPM/DPR. *American Geophysical Union Annual Meeting 2024 (AGU24)*, A43A-1949, Washington, D.C., 9–13 December 2024.
- [60] **Hamada, A.**, K. Aonashi, Y. N. Takayabu, K. Suzuki, and K. Kanemaru, 2024: Enhancing precipitation regime and profile databases for the GSMAp precipitation retrieval and combined observation of melting precipitation particles. *Joint PI Meeting of JAXA Earth Observation Missions FY2024*, Tokyo+Online, 18–22 November 2024.
- [59] Tsuji, T., **A. Hamada**, and K. Yasunaga, 2024: Three-dimensional classification of precipitation particle types using GPM/DPR. *Joint PI Meeting of JAXA Earth Observation Missions FY2024*, Tokyo+Online, 18–22 November 2024.
- [58] **Hamada, A.**, C. Yokoyama, H. Tsuji, Y. Ikuta, S. Shige, M. Yamaji, T. Kubota, and Y. N. Takayabu, 2024: Development of retrieval algorithm for the GPM DPR spectral latent heating algorithm in the midlatitudes. *11th Workshop of International Precipitation Working Group (IPWG-11)*, 10.10, Tokyo, Japan, 15–18 July 2024.
- [57] Tsuji, T., **A. Hamada**, and K. Yasunaga, 2024: Three dimensional classification of precipitation particle types using GPM/DPR. *11th Workshop of International Precipitation Working Group (IPWG-11)*, 10.12, Tokyo, Japan, 15–18 July 2024.
- [56] **Hamada, A.**, C. Yokoyama, H. Tsuji, Y. Ikuta, S. Shige, M. Yamaji, T. Kubota, and Y. N. Takayabu, 2024: Spectral latent heating retrievals for the midlatitudes using GPM DPR: Development of the retrieval algorithm. *9th Global Energy and Water Exchanges (GEWEX) Open Science Conference*, 19-P39, Sapporo, Japan, 7–12 July 2024.
- [55] **Hamada, A.**, Y. Kusano, B. Taguchi, and K. Yasunaga, 2024: Remote effects of typhoon on the water vapor transport over western Japan. *Japan Geoscience Union (JpGU) Meeting 2024*, AAS03-P07, Chiba, Japan, and Online, 26–31 May 2024.
- [54] **Hamada, A.**, K. Aonashi, Y. N. Takayabu, and K. Kanemaru, 2023: Enhancing precipitation regime and profile databases for the GSMAp precipitation retrieval and combined observation of melting precipitation particles. *Joint PI Meeting of JAXA Earth Observation Missions FY2023*, Tokyo+Online, 6–10 November 2023.
- [53] Tsuji, T., **A. Hamada**, and K. Yasunaga, 2023: Three-dimensional classification of precipitation particle types using GPM/DPR. *Joint PI Meeting of JAXA Earth Observation Missions FY2023*, Tokyo+Online, 6–10 November 2023.
- [52] Yokoyama, C., **A. Hamada**, Y. Ikuta, S. Shige, M. Yamaji, H. Tsuji, T. Kubota, and Y. N. Takayabu, 2023: Spectral latent heating retrievals for the midlatitudes using GPM DPR: Construction of look-up

tables. *2023 Precipitation Measurement Mission (PMM) Science Team Meeting*, Minneapolis, MN, 18–22 September 2023.

- [51] Kuki, S., **A. Hamada**, K. Yasunaga, and B. Taguchi, 2023: Statistical analysis of meso- to synoptic-scale cyclone activity over the Kuroshio and Kuroshio Extension regions. *International Workshop on Mid-latitude Ocean-Atmosphere Interactions: Their Processes and Predictability*, Toyama, Japan, 16–18 June 2023.
- [50] Kuki, S., **A. Hamada**, B. Taguchi, 2023: Statistical analysis of meso- to synoptic-scale cyclone activity over the Kuroshio and Kuroshio Extension regions. *Japan Geoscience Union Meeting 2023*, ACG30-P18, Chiba, Japan+Online, 21–26 May 2023.
- [49] Kusano, Y., and **A. Hamada**, 2023: Remote effects of tropical cyclones in the northwest Pacific on the formation of atmospheric rivers. *Japan Geoscience Union Meeting 2023*, AAS04-P08, Chiba, Japan+Online, 21–26 May 2023.
- [48] Ono, Y., and **A. Hamada**, 2023: Analysis of dynamical structure of a downburst-producing cumulonimbus cloud system using multi-parameter phased array weather radar. *Japan Geoscience Union Meeting 2023*, AAS03-P09, Chiba, Japan+Online, 21–26 May 2023.
- [47] **Hamada, A.**, K. Aonashi, Y. N. Takayabu, and K. Kanemaru, 2022: Enhancing precipitation regime and profile databases for the GSMaP precipitation retrieval and combined observation of melting precipitation particles. *The joint PI Meeting of JAXA Earth Observation Missions FY2022*, Tokyo+Online, 7–11 November 2022.
- [46] **Hamada, A.**, K. Aonashi, Y. N. Takayabu, and K. Kanemaru, 2022: Enhancing the precipitation regime and profile databases for the GSMaP precipitation retrieval. *The joint PI meeting of JAXA Earth Observation Missions FY2021*, Online, 12–21, 26 January 2022.
- [45] **Hamada, A.**, R. Kawabata, and K. Yasunaga, 2021: Statistical analysis of precipitation system characteristics observed by GPM/DPR over high-latitude land. *Japan Geoscience Union Meeting 2021*, Online, 3–6 June 2021.
- [44] **Hamada, A.**, K. Aonashi, Y. N. Takayabu, and K. Kanemaru, 2020: Enhancing the precipitation regime and profile databases for the GSMaP precipitation retrieval. *Joint PI Meeting of JAXA Earth Observation Missions FY2020*, Online, 17–23 December 2020, 13–22 January 2021.
- [43] **Hamada, A.**, K. Aonashi, Y. N. Takayabu, and K. Kanemaru, 2020: Enhancing the precipitation regime and profile databases for the GSMaP precipitation retrieval. *Joint PI Meeting of JAXA Earth Observation Missions FY2019*, Tokyo, 20–24 January 2020.
- [42] **Hamada, A.**, and Y. N. Takayabu, 2019: Heaviest rainfall and tallest storms: Their weak linkage and related large-scale environments. *8th International EarthCARE Science Workshop*, Kasuga, Fukuoka, 25–27 November 2019.
- [41] **Hamada, A.**, K. Kanemaru, and T. Iguchi, 2019: An improvement of the precipitation detection method for the Dual-frequency Precipitation Radar onboard the Global Precipitation Measurement core observatory (GPM/DPR). *39th International Conference on Radar Meteorology*, Nara, 16–20 September 2019.
- [40] **Hamada, A.**, and Y. N. Takayabu, 2019: Large-scale environmental conditions related to midsummer extreme rainfall events around Japan in the TRMM region. *Asia Oceania Geosciences Society (AOGS) 16th Annual Meeting*, Singapore, 28 July–02 August 2019. **(Invited)**
- [39] **Hamada, A.**, and Y. N. Takayabu, 2018: Large-scale environmental conditions related to midsummer extreme rainfall events over the southern Japan region. *Japan Geoscience Union Meeting 2018*, Chiba, 20–24 May 2018.
- [38] **Hamada, A.**, and Y. N. Takayabu, 2018: Large-scale environmental conditions related to midsummer extreme rainfall events over the southern Japan region. *The 3rd International*

Workshop on "Climate Change and Precipitation in the East Asia", Tokyo, 22–23 February 2018.

- [37] **Hamada, A.** and Y. N. Takayabu, 2017: Convective cloud-top vertical velocity estimated from geostationary satellite rapid-scan measurements. *2017 AGU Fall Meeting*, New Orleans, 11–15 December 2017.
- [36] **Hamada, A.** and Y. N. Takayabu, 2017: Convective cloud-top vertical velocity estimated from geostationary satellite rapid-scan measurements. *Workshop on Aerosol Observation and its Impact in East and Southeast Asia*, Toyama, 19–20 October 2017.
- [35] **Hamada, A.** and Y. N. Takayabu, 2017: Convective cloud-top vertical velocity estimated from geostationary satellite rapid-scan measurements. *Workshop for Typhoon, cloud and climate study*, Taipei, 22–24 August 2017.
- [34] **Hamada, A.** and Y. N. Takayabu, 2017: Convective cloud-top vertical velocity estimated from geostationary satellite rapid-scan measurements. *Japan Geoscience Union Meeting 2017*, Makuhari, 20–25 May 2017.
- [33] **Hamada, A.** and Y. N. Takayabu, 2017: Large-scale environmental conditions related to mid-summer extreme rainfall events over the Japan region. *The 2nd International Workshop on "Climate Change and Precipitation in the East Asia"*, Tokyo, 27–28 March 2017.
- [32] **Hamada, A.** 2016: Contribution from spaceborne precipitation radar measurements to the understanding of the global precipitation characteristics. *Workshop on Global Precipitation System 2016 "Diversity and Future Outlook of Weather and Climate Models"*, Yokohama, 28–29 November 2016. **(Invited)**
- [31] **Hamada, A.** and Y. N. Takayabu, 2016: Improvements in detection of light precipitation with the Global Precipitation Measurement Dual-frequency Precipitation Radar. *Asia Oceania Geosciences Society (AOGS) 13th Annual Meeting*, Beijing, 31 July–5 August 2016.
- [30] **Hamada, A.** and Y. N. Takayabu, 2016: Improvements in detection of light precipitation with the Global Precipitation Measurement dual-frequency precipitation radar (GPM/DPR). *Japan Geoscience Union Meeting 2016*, Makuhari, 22–26 May 2016.
- [29] **Hamada, A.** Y. N. Takayabu, C. Liu, and E. J. Zipser, 2015: Weak linkage between the heaviest rainfall and tallest storms. *2015 AGU Fall Meeting*, San Francisco, 14–18 December 2015.
- [28] **Hamada, A.** and Y. N. Takayabu, 2015: Inferring cumulus updraft strength using geostationary satellite rapid-scan measurements. *The Sixth Asia/Oceania Meteorological Satellite Users' Conference*, Tokyo, 9–13 November 2015.
- [27] **Hamada, A.** Y. N. Takayabu, K. Nakagawa, and T. Iguchi, 2015: Evaluation of heavy rainfall retrieval from TRMM/PR using a long-term C-band radar observation. *Japan Geoscience Union Meeting 2015*, Makuhari, 24–28 May 2015.
- [26] **Hamada, A.** Y. N. Takayabu, C. Liu, and E. J. Zipser, 2015: Weak linkage between the heaviest rainfall and tallest storms. *Third International Workshop on "Studies on future climate projection of the Asian region utilizing the CMIP5 multi-model ensemble data"*, Tokyo, 27 March 2015.
- [25] **Hamada, A.** Y. N. Takayabu, K. Nakagawa, T. Iguchi, C. Liu, and E. J. Zipser, 2014: Characteristic differences between the heaviest rainfall and the tallest storms. *7th Workshop of the International Precipitation Working Group (IPWG)*, Tsukuba, 17–20 November 2014.
- [24] **Hamada, A.** Y. N. Takayabu, C. Liu, and E. J. Zipser, 2014: Regional and seasonal differences in the rain event characteristics between rain rate and convection extremes. *2014 Precipitation Measurement Mission (PMM) Science Team Meeting*, Baltimore, MD, 4–8 August 2014.
- [23] **Hamada, A.** Y. N. Takayabu, C. Liu, and E. J. Zipser, 2014: Regional and seasonal differences in the rain event characteristics between rain rate and convection extremes. *Asia Oceania Geosciences Society (AOGS) 11th Annual Meeting*, Sapporo, 28 July–1 August 2014.

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Professional activities/services

Academic Society:

- Meteorological Society of Japan
- American Meteorological Society
- American Geophysical Union

Review experiences:

- Annals of Geophysics
- Atmosphere
- Atmospheric Chemistry and Physics
- Bulletin of the American Meteorological Society
- Global Environmental Research
- International Journal of Climatology
- International Journal of Remote Sensing
- Journal of Atmospheric and Oceanic Technology
- Journal of Climate
- Journal of Geophysical Research – Atmospheres
- Journal of Hydrology
- Journal of Hydrometeorology
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- Monthly Weather Review
- Nature Communications
- Remote Sensing Letters

Scientific Online Letters on the Atmosphere
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