

International Conferences/Symposiums/Meetings

- 1) Ito, M., Ohshima, K. I., Fukamachi, Y., Simizu, D., Iwamoto, K., Matsumura, Y., Mahoney, A. R., and Eicken, H.: A study of formation processes of supercooled water and frazil ice in a coastal polynya (2014.2.19 The 29th International Symposium on Okhotsk Sea & Sea Ice)
- 2) Ito, M., Ohshima, K. I., Fukamachi, Y., Simizu, D., Iwamoto, K., Matsumura, Y., Mahoney, A. R., and Eicken, H.: A study of formation processes of supercooled water and frazil ice in a coastal polynya (2014.3.10 IGS International Symposium on Sea Ice in a Changing Environment)
- 3) Smith, I. J., Gough, A. J., Langhorne, P. J., Eicken, H., Mahoney, A. R., Leonard, G. H., Van Hale, R. J., Fukamachi, Y., Jendersie, S., Jones, J. M. and Haskell, T. G. : Antarctic and Arctic land-fast sea ice: deriving parent water mass properties changes from sea ice cores (2014.3.14 IGS International Symposium on Sea Ice in a Changing Environment)
- 4) Fraser, A., Hyland, G., Massom, R. and Ohshima, K. I. : Automation of Antarctic landfast sea-ice retrieval from MODIS imagery (2014.3.10 IGS International Symposium on Sea Ice in a Changing Environment)
- 5) Fukamachi, Y., Simizu, D., Ohshima, K. I., Iwamoto, K., Eicken, H., and Mahoney, A. R. : Characteristics of sea-ice draft revealed by a moored ice-profiling sonar in the Chukchi Sea off Barrow, Alaska (2014.3.13 IGS International Symposium on Sea Ice in a Changing Environment)
- 6) Sugimoto, F., Shimoda, H., Simizu, D., Uto, S., Tateyama, K., Hoshino, S., Ozeki, T., Tamura, T., Fukamachi, Y., Ushio, S. and Ohshima, K. I. : Distribution and interannual variability of sea-ice thickness in the pack-ice zone off Lützow-Holm Bay, Antarctica (2014.3.10 IGS International Symposium on Sea Ice in a Changing Environment)
- 7) Toyota, T., Kohout, A., and Fraser, A. : Formation processes of floe size distribution in the interior ice zone and its relationship to the marginal ice zone (2014.3.17 SIPEX 2012 workshop)
- 8) Fujiwara, M., Hibino, T., Mehta S. K., Gray, L., Mitchell, D., and Anstey, J. : Global Response to the Major Volcanic Eruptions in 9 Reanalysis Datasets (2014.1.12-18 SPARC 2014 General Assembly)

- 9) Tamura, T. Ohshima, K.I., Lieser, J., Toyota, T., Tateyama, K., Nomura, D., Nakata, K., Fraser, A., Jansen, P., Newbery, K., Massom, R. and Ushio, S. : Helicopter-borne observation with portable microwave radiometer in the Southern Ocean and the Sea of Okhotsk (2014.3.11 IGS International Symposium on Sea Ice in a Changing Environment)
- 10) Nihashi, S. and Ohshima, K. I. : Mapping of Antarctic coastal polynyas and landfast sea ice from AMSR-E (2014.3.10 IGS International Symposium on Sea Ice in a Changing Environment)
- 11) Matsumura Y. and Ohshima, K. I. : Modeling frazil crystals and their impacts on ocean mixed layer (2014.3.11 IGS International Symposium on Sea Ice in a Changing Environment)
- 12) Nakanowatari, T., Mitsudera, H., Motoi, T., Ishikawa, I., Ohshima, K. I. : Multidecadal Scale Cooling in the North Pacific Intermediate Water: an Eddy-Resolving Ice-Ocean Coupled Model Simulation (2014.2.26 Ocean Sciences Meeting)
- 13) Watanabe, T., Kuwagata T. : Modeling studies of the micrometeorological processes that intimately interact with plant's physiology and morphology (2014.3.17 International Symposium on Agricultural Meteorology)
- 14) Toyota, T., and Kimura, N. : On the validity of Hibler's sea-ice rheology for the seasonal sea ice evaluated from ice-drift pattern and SAR-derived ice thickness distribution (2014.3.13 国際雪氷学会)
- 15) Uehara, H., Kruts, A. A., Mitsudera, H., Nakamura, T., and Volkov, Y. N. : Remotely propagating salinity anomaly varies the source of the North Pacific ventilation (2014.2.26 2014 Ocean Sciences Meeting)
- 16) Mahoney, A. R., Eicken, H., Fukamachi, Y., Ohshima, K. I., Simizu, D., Kambhamettu, C., MV, R., Hendricks, S. and Jones, J. : Taking a look at both sides of the ice: comparing ice thickness and drift speed as observed from above and below sea ice near Barrow, Alaska (2014.3.13 IGS International Symposium on Sea Ice in a Changing Environment)
- 17) Koda, H., and Toyota, T. : The formation process of granular ice of the seawater in laboratory experiments (2014.2.19 The 29th International Symposium on Okhotsk Sea & Sea Ice)
- 18) Matsuda, J., Mitsudera, H., Nakamura, T., Hasumi, H., and Sasajima, Y. : Thermohaline circulation system from the Bering Sea to the North Pacific via the Sea of Okhotsk. (2014.2.26 2014 Ocean Sciences Meeting)

- 19) Nakata, K., Ohshima, K. I., Nihashi, S., Kimura N. and Tamura Takeshi : Variability mechanism and ice production budget of the Ross Ice Shelf polynya, Antarctica (2014.3.13 IGS International Symposium on Sea Ice in a Changing Environment)
- 20) Ito, K. and Nakamura, T. : Vortex and internal waves interactions (2014.2.24 2014 Ocean Sciences Meeting)
- 21) Saiki, R., Mitsudera, H., Manome, A., Toyota, T., Kimura, N., Ukita, J. : A formation mechanism of ice band by the interaction between sea-ice and internal wave (2014.8.1 Asia Oceania Geoscience Society)
- 22) Abe, H., and Ebuchi, N. : A wide-spread freshening during passage of a typhoon captured by Aquarius : a case study (2014.11.11 2014 Aquarius/SAC-D Science Team Meeting)
- 23) Hirano, D., Fukamachi, Y., Watanabe, E., Iwamoto, K., Mahoney, A., Eicken, H., Shimizu, D., Ohshima, K. I. and Tamura, T. : A wind-driven, hybrid latent and sensible heat coastal polynya at Barrow, Alaska (2014.11.15 AGU Fall Meeting 2014)
- 24) Abe, S., Nakamura, T., Mitsudera, H. : An Unstable Mode Formed by Combination of Kelvin-Helmholtz Waves and Tollmien-Schlichting Waves in Jets on the Bottom (2014.12.18 AGU Fall Meeting)
- 25) Ohshima K.I., Fukamachi Y., Williams G. D., Nihashi S., Tamura T., Kitade, Y. Hirano, D., Aoki, S., Wakatsuchi M. : Antarctic Bottom Water Production from Intense Sea-Ice Formation in the Cape Darnley Polynya (2014.8.1 AOGS 2014)
- 26) Laine, A., Yoshimori, M., and Abe-Ouchi, A. : Arctic Amplification Feedback Analysis in CMIP5 Models: Land Surfaces, Arctic Ocean and Seasonality (2014.12.15 American Geophysical Union)
- 27) Hasebe, F., Shiotani, M., Fujiwara, M., Shibata, T., Inai, Y., Komala, N. and SOWER Science Team and LAPAN Team : Collaborative Study on the Tropical Tropopause layer (TTL) Between SOWER, Japan and LAPAN, Indonesia (2014.7.30 Asia Oceania Geosciences Society 11th Annual Meeting)
- 28) Hasebe, F. and Ogino, S.-Y. : Dehydration in the Tropical Tropopause Layer with the implications for the water/ozone variations over Vietnam (2014.11.21 The 9th Scientific Conference of the University of Science-Vietnam National University)

- 29) Kashiwase, H., Ohshima, K. I. and Nihashi, S. : Effect of ice-ocean albedo feedback on summer retreat of Arctic sea ice cover (2014.11.2 Hokkaido University-University of Bremen Joint Seminar "New Frontiers in Cryosphere Science: Biology, Glaciology and Oceanography")
- 30) Ishizaki, Y., Emori, S., Shiogama, H., Takahashi, K., Yokohata, T., and Yoshimori, M. : Emulation of MIROC5 with a simple climate model (2014.4.30 European Geosciences Union)
- 31) Nihashi, S. and Ohshima, K. I. : Estimation of sea-ice production in Antarctic coastal polynyas using AMSR-E data (2014.8.1 11th Annual Meeting, Asia Oceania Geosciences Society)
- 32) Zhang, W., Ebuchi, N., Fukamachi, Y., and Yoshikawa, Y. : Estimation of wind drift current in the Soya Strait (2014.4.2 The second Ocean Radar Conference for Asia-Pacific)
- 33) Zhang, W., Ebuchi, N., Fukamachi, Y., and Yoshikawa, Y. : Estimation of wind drift current in the Soya Strait (2014.8.1 AOGS 2014)
- 34) Ebuchi, N. : Evaluation of marine surface wind globally observed by AMSR2 on GCOM-W1 (2014.7.28 AOGS 2014)
- 35) Ebuchi, N. : Evaluation of marine surface wind globally observed by AMSR2 on GCOM-W1 (2014.7.24 IGARSS 2014)
- 36) Ebuchi, N., and Abe, H. : Evaluation of sea surface salinity observed by Aquarius (2014.7.24 IGARSS 2014)
- 37) Abe, H., and Ebuchi, N. : Evaluation of sea surface salinity observed by Aquarius (2014.11.11 2014 Aquarius/SAC-D Science Team Meeting)
- 38) Abe-Ouchi, A., Ohgaito, R., Takahashi, K., Chikamoto, M., Sherriff-Tadano, S., Oka, A., Hargreaves, J. C., Timmermann, A., and Yoshimori, M. : Glacial Atlantic Overturning in CMIP/PMIP models controlled by the Southern and Northern high latitude changes (2014.12.15 American Geophysical Union)
- 39) Fujiwara, M., Hibino, T., Mehta, S. K., Gray, L., Mitchell, D., and Anstey, J. : Global Response to the Major Volcanic Eruptions in 9 Reanalysis Datasets (2014.7.28-8.1 Asia Oceania Geosciences Society (AOGS) 2014 meeting)
- 40) Ohshima, K. I. : Global view of sea ice production and its linkage with dense/deep water formation (2014.8.1 11th Annual Meeting, Asia Oceania Geosciences Society)
- 41) 藤吉康志 : Ground validation of physical parameters of dry/wet snow particles based on sophisticated measuring system & data analysis techniques (2014.7.29 AOGS 11th Annual Meeting)

- 42) Fraser, A. D., Ohshima, K. I., Nihashi, S. : High resolution circum-Antarctic landfast sea ice mapping: importance, and links with coastal polynya sea ice production (2014.8.1 11th Annual Meeting, Asia Oceania Geosciences Society)
- 43) Toyoda, T., Fujii, Y., Kuragano, T., Matthews, J. P., Abe, H., Ebuchi, N., Usui, N., Ogawa, K., and Kamachi, M. : Improvements to a global ocean data assimilation system through the incorporation of Aquarius surface salinity data. (2014.11.26 Ocean Salinity Science and Salinity Remote Sensing Workshop 2014)
- 44) 藤吉康志 : In situ observations of vertical profiles of air quality using a glider (2014.7.28 AOGS 11th Annual Meeting)
- 45) Ebuchi, N. : Intercomparison of four ocean vector wind products from Oceansat-2 scatterometer (2014.7.30 AOGS 2014)
- 46) Long, C., and Fujiwara, M. : Intercomparison of Reanalysis Dynamic Variables in the Stratosphere: Results from the SPARC-Reanalysis Intercomparison Project (2014.12.15-19 American Geophysical Union Fall Meeting 2014)
- 47) Kanna, N., Toyota, T., Nishioka, J. : Iron and macro-nutrient concentrations in sea ice and their impact on the nutritional status of surface waters in the southern Okhotsk Sea (2014.8.1 Asia Oceania Geoscience Society)
- 48) Ogino, S.-Y., Fujiwara, M., Shiotani, M., Hasebe, F., Matsumoto, J., and Hoang, G. H. : Lower-tropospheric Ozone Increase Over the Indochina Peninsula Observed by Ozonesonde Observations in Hanoi, Vietnam (2014.7.30 Asia Oceania Geosciences Society 11th Annual Meeting)
- 49) Matsumura, Y. : Modeling oceanic multiphase flow by using Lagrangian particle tracking (2014.12.16 2014 AGU Fall Meeting)
- 50) Matsumura, Y. : Modeling small scale processes in the polar oceans (2014.10.1 German - Japanese workshop on polar oceans)
- 51) Toyota, T., Kimura, N. : On the validity of Hibler's sea ice rheology for the seasonal sea ice (2014.10.15 The Climate Symposium 2014)
- 52) Matsuda, J., Mitsudera, H., Nakamura T., Hasumi, H., Wakatsuchi, M. : Overturning circulation ventilating the intermediate layer of the Sea of Okhotsk and the North Pacific: the role of salinity advection (2014.7.28 Asia Oceania Geosciences Society (AOGS) 2014)
- 53) Toyota, T. : Sea of Okhotsk sea ice (2014.6.4 Norway-Japan Marine Seminar)
- 54) Nakanowatari, T., Uchimoto, K., Nakamura, T., Nishioka, J., Mitsudera, H., Wakatsuchi, M. : Seasonal variability of dissolved iron in the western subarctic North Pacific: Importance of lateral advection processes (2014.7.28 Asia Oceania Geosciences Society (AOGS) 2014)

- 55) Fujiwara, M. : Soundings of Ozone and Water in the Equatorial Region (SOWER)
1998 - 2014 and beyond (2014.7.23-25 Symposium on Progress of the MJO
research through the field campaigns)
- 56) Hasebe, F., Shiotani, M., Fujiwara, M., Shibata, T., Inai, Y., Komala, N., SOWER
Science Team and LAPAN Team : SOWER (Soundings of Ozone and Water in the
Equatorial Region): overview and highlights (2014.12.16 2014 AGU Fall
Meeting)
- 57) Fujiwara, M., and Long, C. : SPARC Reanalysis Intercomparison Project (S-RIP)
(2014.12.15-19 American Geophysical Union Fall Meeting 2014)
- 58) Fujiwara, M. : S-RIP Overview / Chapter 1 (2014.9.8-12. SPARC Data
Assimilation (DA) and SPARC - Reanalysis Intercomparison Project (S-RIP)
Workshops)
- 59) Nihashi, S. and Ohshima, K. I. : Strong linkage between Antarctic coastal
polynyas and landfast sea ice revealed from their combined circumpolar mapping
(2014.7.28 11th Annual Meeting, Asia Oceania Geosciences Society)
- 60) Horinouchi T. : Synoptic Variability of Moisture Transport and Precipitation over
Summertime East Asia and the Northwestern Pacific in Association with Upper
Tropospheric Disturbances (2014.12.16 American Geophysical Union Fall
Meeting)
- 61) Inai, Y., Shiotani, M., Fujiwara, M. and Hasebe, F. : The impact of altitude
misestimation caused by Vaisala RS80 pressure bias on ozone and temperature
profile data (2014.6.12 The 17th Symposium on Meteorological Observations and
Instrumentation)
- 62) Sherriff-Tadano, S., Abe-Ouchi, A., Yoshimori, M., Oka, A., Chan, W.-L. : The
Influence of Glacial Ice Sheets on Atlantic Meridional Overturning Circulation
Through Atmospheric Circulation Change under Glacial Climate (2014.12.15
American Geophysical Union)
- 63) Phillips H., Bindoff N.L., Rintoul S.R., Aoki S. : The regional nature of climate
change in the Southern Ocean (2014.11.17 The Second International Ocean
Research Conference)
- 64) Abe, S., Nakamura, T., Mitsudera, H. : Unstable Modes of Jets on the Bottom
(2014.7.28 Asia Oceania Geosciences Society (AOGS) 2014)

- 65) Yokohata, T., Nishina, K., Takahashi, K., Kiguchi, M., Iseri, Y., Sueyoshi, T., Yoshimori, M., Iwase, K., Yamamoto, A., Shigemitsu, M., Honda, Y., Hanasaki, N., Yoshimitsu, M., Ito, A., Iizumi, T., Sakurai, G., Okada, M., Emori, S., and Oki, T. : Visualization of the chains of risks under global climate change (2014.12.18 American Geophysical Union)
- 66) Hayashi, M., Shibata, T., Hara, K., and Hasebe, F. : Volatility and composition of aerosols in tropical stratosphere and TTL over Biak, Indonesia (2014.12.16 2014 AGU Fall Meeting)
- 67) Fujiwara, M. and GRUAN Task Team on Radiosondes : Water Vapor and Temperature Measurements within the GCOS Reference Upper Air Network (GRUAN) (2014.12.15-19 American Geophysical Union Fall Meeting 2014)
- 68) Fujiwara, M. : Wave Activity in the Tropical Tropopause Layer in 9 Reanalysis Datasets (2014.7.28-8.1 Asia Oceania Geosciences Society (AOGS) 2014 meeting)