

International Conferences/Symposiums/Meetings

- 1) Ebuchi, N. : Evaluation of wind speed algorithm of AMSR and AMSR-E using scatterometer-derived wind, GCOM PI Workshop 2010, Tokyo, Japan, 13-Jan-2010
- 2) Ebuchi, N. : Dual Frequency Scatterometer (DFS) on GCOM-W2, GCOM PI Workshop 2010, Tokyo, Japan, 13-Jan-2010
- 3) Ohshima, K. I., Nihashi, S., Iwamoto, K., Tamura, T., Toyota, T. : Development of ice thickness and concentration algorithm in thin sea ice region, GCOM PI Workshop, JAXA, Tokyo, Japan, 13-Jan-2010
- 4) Ohshima, K. and Y. Tanimoto : Coherent spatial patterns of the decadal variation and warming trend in the North Pacific SST field in the CMIP3 simulations, 2nd International Workshop on Global Change Projection: Modeling, Intercomparison, and Impact Assessment jointly with 3rd International Workshop on KAKUSHIN Program, Tsukuba, Japan, Feb-2010
- 5) Tanimoto, Youichi, Kunihiro Aoki, Shoshiro Minobe, Masaki Haniu, and Yoshikazu Sasai : North Pacific oceanic eddy heat transport estimated by a high resolution ocean GCM simulation and satellite data, 2010 AGU Ocean Sciences, Portland, Oregon, Feb-2010
- 6) SHIRASAWA Kunio, EBUCHI Naoto, LEPPÄRANTA Matti, ISHIKAWA Masao, TAKATSUKA Toru : Ice edge dynamics from C-band radar and HF radar coastal stations, The Okhotsk Sea & Cold Ocean Research, Monbetsu, Japan, 21-Feb-2010
- 7) LEPPÄRANTA Matti, OIKKONEN Annu, SHIRASAWA Kunio : Studies of the frequency spectrum of sea ice velocity in the Sea of Okhotsk, The Okhotsk Sea & Cold Ocean Research, Monbetsu, Japan, 21-Feb-2010
- 8) TATEYAMA Kazutaka, ENOMOTO Hiroyuki, SHIRASAWA Kunio : Western Arctic sea ice thinning - Results from field observations and satellite remote sensing, The Okhotsk Sea & Cold Ocean Research, Monbetsu, Japan, 21-Feb-2010
- 9) Aoki, K., Kubokawa, A., Sasaki, H., and Sasai, Y. : Mid-latitude baroclinic Rossby waves in the OFES simulation, 2010 AGU Ocean Science Meeting, Portland, Oregon, USA, 22-Feb-2010
- 10) Nakamura, T., Y. Isoda, H. Mitsudera, S. Takagi, M. Nagasawa : Breaking of Unsteady Lee Waves Generated by Diurnal Tides, 2010 Ocean Sciences Meeting, Portland, Oregon, USA, 22-Feb-2010
- 11) Uchimoto, K., T. Nakamura, J. Nishioka, H. Mitsudera, M. Yamamoto-Kawai, K. Misumi, and D. Tsumune : Influence of diapycnal mixing around the Kuril Islands and brine rejection on the distribution of CFCs in the Sea of Okhotsk, 2010 Ocean Sciences Meeting, Portland, Oregon, USA, 22-Feb-2010

- 12) Mitsudera, H., K. Uchimoto, and T. Nakamura : Hydraulic control of stratified barotropic flow over topography: Mechanisms of cold belt formation off the Soya Warm Current along the northeastern coast of Hokkaido, 2010 Ocean Sciences Meeting, Portland, Oregon, USA, 22-Feb-2010
- 13) Misumi, K., D. Tsumune, Y. Yoshida, T. Yoshimura, K. Uchimoto, T. Nakamura, J. Nishioka, H. Mitsudera, F. O. Bryan, K. T. Lindsay, K. Moore, S. C. Doney : Numerical Simulation of Dissolved Iron Concentrations in the North Pacific: Importance of the Sedimentary Iron Source, 2010 Ocean Sciences Meeting, Portland, Oregon, USA, 22-Feb-2010
- 14) Nihashi, S., Ohshima, K. I., Kiumura, N : Creation of heat/salt flux data set in the Okhotsk Sea using AMSR-E sea ice data., US CLIVAR/SeaFlux Workshop, Surface Fluxes: Challenges for High Latitudes, Boulder, Colorado,USA, 17-Mar-2010
- 15) Ohshima, K. I., Tamura, T., Nihashi, S., Iwamoto, K., Simizu, D., Fukamachi, Y : Global Mapping of sea ice production and heat/salt flux in ice-covered regions, using satellite passive microwave data, US CLIVAR/SeaFlux Workshop, Surface Fluxes: Challenges for High Latitudes, Boulder, Colorado,USA, 18-Mar-2010
- 16) Ebuchi, N : Physical and biochemical environments in the Sea of Okhotsk, 日露生態系保全ワークショップ, VLADIVOSTOK,Rusia, 6-Apr-2010
- 17) Yara, Y., M. Fujii, Y. Yamanaka, N. Okada, H. Yamano and K. Oshima, Projected effects of global warming on corals in seas close to Japan, International Symposium on Climate Change Effects on Fish and Fisheries: Forecasting Impacts, Assessing Ecosystem Responses and Evaluating Management Strategies,Sendai,Japan, 15-Apr-2010
- 18) Nihashi, S., N. Ebuchi, Y. Fukamachi, and S. Takahashi : Characteristics of sea ice in the Okhotsk coastal polynyas revealed by QuikSCAT/SeaWinds with AMSR-E, ice-profiling sonar, and digital camera observations, International Ocean Vector Winds Science Team Workshop 2010, Barcelona, Spain, 19-Apr-2010
- 19) Nakamura, T., Isoda, Y., Mitsudera, H., Takagi, S., Nagasawa, M., and Abe, S. : Direct Observation of a Breaking Unsteady Lee Wave Generated by Diurnal Tides and an Estimate of its Global Occurrence, EGU General Assembly 2010, Vienna, Austria, 6-May-2010
- 20) Ohshima, K. I. and Riser, S. C. : Mapping and interannual variations of sea-ice thickness in the Okhotsk Sea inferred from ocean salinity profile in spring, IGS International Symposium on Sea Ice in the Physical and Biogeochemical System, Tromso,Norway, 6-May-2010

- 21) Abe, S. and Nakamura, T.: Diapycnal Mixing Induced by Diurnal Tidal Flow in the Aleutian Passes., EGU General Assembly 2010, Vienna, Austria, 7-May-2010
- 22) Nakamura, Tomohiro : Scattering of Internal Waves with Frequency Change over Rough Topography, EGU General Assembly 2010, Vienna, Austria, 7-May-2010
- 23) Toyota, T., S. Ono, K. Cho, K.I. Ohshima : Retrieval of sea ice thickness distribution in the Sea of Okhotsk from ALOS/PALSAR backscatter data, International Glaciological Society symposium on sea ice, Tromso, Norway, 1-Jun-2010
- 24) Nihashi, S., Ohshima, K. I., and Kimura, N. : Creation of heat/salt flux data set in the Okhotsk Sea using AMSR-E sea ice data, and its application to investigation of phytoplankton bloom, IGS International Symposium on Sea Ice in the Physical and Biogeochemical System, Tromso, Norway, 1-Jun-2010
- 25) Tamura, T., Ohshima, K. I., Toyota, T., Tateyama, K., Massom, R. A., and Worby, A. P. : Heli-borne observation of sea ice with AMSR-E sensor in the Southern Ocean and the Sea of Okhotsk, International Glaciological Society symposium on sea ice in the physical and biogeochemical system, Tromso, Norway, 1-Jun-2010
- 26) Tamura, T., Ohshima, K. I., and Nihashi, S. : Global mapping of sea ice production and surface heat/salt-flux in the sea ice region, IGS International Symposium on Sea Ice in the Physical and Biogeochemical System, Tromso, Norway, 2-Jun-2010
- 27) Toyota, T., C. Haas, T. Tamura : Floe size distribution of relatively small sea ice in the Antarctic marginal ice zone in late winter, International Glaciological Society symposium on sea ice, Tromso, Norway, 3-Jun-2010
- 28) Nihashi, S., N. Ebuchi, S. Takamashi, and Y. Fukamachi : Characteristics of ice in the Okhotsk coastal polynyas, IGS Sea Ice Symposium 2010, Tromso, Norway, 3-Jun-2010
- 29) Ohshima, K. I.: Japanese SASSI activities, ISSI workshop on Assessing Antarctic sea ice, Oslo, Norway, 7-Jun-2010
- 30) Toyota, T. : Retrieval of ice thickness in the seasonal ice zone with L-band SAR, ISSI workshop on Assessing Antarctic sea ice, Bern, Swiss, 8-Jun-2010
- 31) Aoki, S. : Stable oxygen isotope ratio of sea water and its spatial distribution at the continental margin of Antarctica, IPY Oslo Science Conference, Oslo, Norway, 8-Jun-2010
- 32) Fukamachi, Y., Ohshima, K. I., Aoki, S., Kitade, Y., Tamura, T., and Wakatsuchi, M. : Antarctic Bottom Water revealed by mooring measurements off Cape Darnley, Antarctica, International Polar Year Oslo Science Conference, Oslo,

Norway,9-Jun-2010

- 33) Rintoul, S. R., Sallee, J.-B., Sokolov, S., Fukamachi, Y., Meijers, A. : Southern Ocean Circulation and Change: Australia's Contribution to the IPY CASO and SASSI Programs, International Polar Year Oslo Science Conference, Oslo, Norway,9-Jun-2010
- 34) Kawaguchi, Y., Tamura, T., Kikuchi, T., and Itoh, M. : Numerical study of Pacific Winter Water formation in Chukchi Sea using SSM/I thin-ice algorithm: Roles of Alaskan coastal polynya, International Polar Year Oslo Science Conference, Oslo, Norway, 10-Jun-2010
- 35) SUGIMOTO, F., TATEYAMA, K., ENOMOTO, H., SHIRASAWA, K. : Snow depth and sea-ice thickness measurements by drilling and an electromagnetic-induction technique in the Southern Ocean in 2003 and 2007, The 20th IAHR International Symposium on Ice, Lahti, Finland,14-Jun-2010
- 36) OIKKONEN, A., SHIRASAWA, K., LEPPÄRANTA, M. : Ice drift in Baltic Sea and Sea of Okhotsk, The 20th IAHR International Symposium on Ice, Lahti, Finland,14-Jun-2010
- 37) MAKELÄ, M., SHIRASAWA, K., LEPPÄRANTA, M. : Surface heat budget and ice covered period length at Saroma-ko Lagoon, Japan, The 20th IAHR International Symposium on Ice, Lahti, Finland,14-Jun-2010
- 38) Yara, Y., K. Oshima, M. Fujii, Y. Yamanaka, N. Okada and H. Yamano : Evaluating uncertainties in projected effects of global warming on corals in seas close to Japan, The Second Asia Pacific Coral Reef Symposium 2010, Thai,15-Jun-2010
- 39) Takatoshi Sakazaki, Maura Hagan, and Masatomo Fujiwara : Diurnal tide in the troposphere and stratosphere as observed with reanalysis Data, 2010 CEDAR workshop, Boulder, Colorado, 22-Jun-2010
- 40) Nakamura, T., T. Toyoda, Y. Ishikawa, and T. Awaji : Effects of Mass Source/Sink at the Western Boundary on the Wind-Driven Gyres: Implications for the Ventilation of the North Pacific Intermediate Layer through Convection in the Okhotsk Sea and Tidal Mixing at the Kuril Straits., 2010 Western Pacific Geophysics Meeting, Taipei, 22-Jun-2010
- 41) Fukamachi, Y., Ohshima, K. I., Mukai, Y., Mizuta, G., and Wakatsuchi, M. : Sea-ice drift characteristics revealed by measurement of acoustic Doppler current profiler and ice-profiling sonar off Hokkaido in the Sea of Okhotsk, International symposium on snow, ice and humanity in a changing climate,Sapporo,Japan, 22-Jun-2010

- 42) Mitsudera, H., K. Uchimoto, and T. Nakamura : Mechanisms of Cold Belt Formation off the Soya Warm Current along the Northeastern Coast of Hokkaido., 2010 Western Pacific Geophysics Meeting, Taipei, Taiwan, 23-Jun-2010
- 43) Nakamura, T., Y. Kawasaki, T. Kono, and T. Awaji : Large-Amplitude Internal Waves Observed in the Kruzenshtern Strait of the Kuril Island Chain and Possible Water Transport and Mixing., 2010 Western Pacific Geophysics Meeting, Taipei, Taiwan, 24-Jun-2010
- 44) Mitsudera, H., T. Ichimura, and T. Nakamura : Deep Mixing along Thermohaline Fronts in Surface Mixed Layer., 2010 Western Pacific Geophysics Meeting, Taipei, Taiwan, 25-Jun-2010
- 45) Nakamura, T., Y. Isoda, H. Mitsudera, S. Takagi, M. Nagasawa, and S. Abe : Direct Observation of a Breaking Unsteady Lee Wave Generated by Diurnal Tides and an Estimate of its Global Occurrence, 2010 Western Pacific Geophysics Meeting., AGU, Taipei, Taiwan, 25-Jun-2010
- 46) Nakanowatari, T., Ohshima, K. I., and Nagai, S. : What determines the maximum sea ice extent in the Sea of Okhotsk? Importance of ocean thermal condition from the Pacific, International symposium on snow, ice and humanity in a changing climate, Sapporo, Japan, 25-Jun-2010
- 47) Ebuchi, N., Kubota, M., Kamachi, M., Kutsuwada, K., Iwasaka, N., Konda, M., Ando, K., Isoguchi, O., Shimoda, H. : Research plan of the Japanese SSS Science Team: Evaluation and utilization of sea surface salinity and L-band sigma-0 from Aquarius, 2010 Aquarius/SAC-D Science Team Meeting, Seattle, Washington, 19-Jul-2010
- 48) Ebuchi, N. : Synergism of AMSR and DFS, IGARSS 2010, Honolulu, Hawaii, 28-Jul-2010
- 49) Ebuchi, N., Fukamachi, Y., Ohshima, K. I. : Propagation of subinertial variations in the Soya Warm Current revealed by HF ocean radars, IGARSS 2010, Honolulu, Hawaii, 29-Jul-2010
- 50) Nihashi, S., Iwamoto, K., and Ohshima, K. I. : Development of AMSR-E thin ice algorithm in the Arctic and Antarctic Oceans, and the Okhotsk Sea, ISPRS Technical Commission VIII Symposium, Kyoto, Japan, 9-Aug-2010
- 51) Ebuchi, N. : Sensor synergy of active and passive microwave instruments for observations of marine surface winds, ISPRS Technical Commission VIII Symposium, Kyoto, Japan, 10-Aug-2010
- 52) Ebuchi, N. : Global monitoring of marine surface winds, IAA 50th Anniversary Celebration Symposium on Global Climate Change, Nagoya, Japan, 30-Aug-2010

- 53) Takatoshi Sakazaki, Maura Hagan, and Masatomo Fujiwara : Diurnal variations of upper-tropospheric and lower-stratospheric winds over Japan as revealed with MU radar (34.85N, 136.10E) and five reanalysis data sets, International Symposium on the 25th Anniversary of the MU Radar, Kyoto, Japan, 2-Sep-2010
- 54) Fujiyoshi Yasushi, Yamashita Kazuya, Fujiwara Chusei : Detection of organized airflow in the atmospheric boundary layer and the free atmosphere using a 3D-scanning coherent Doppler lidar, International Symposium on Environmental Monitoring in East Asia- Remote Sensing and Field Research for Forest and Precipitation Monitoring , Kanazawa, Japan, 27-Sep-2010
- 55) Tamura, T., Ohshima, K. I., Nihashi, S., and Hasumi, H. : Estimation of surface heat/salt fluxes associated with sea ice growth/melt in the Southern Ocean, Australia - New Zealand Climate Forum 2010, Hobart, Australia, 15-Oct-2010
- 56) Ebcuhi, N., Sensor synergy of active and passive microwave instruments for observations of marine surface winds, PORSEC 2010, Keelung, China, 20-Oct-2010
- 57) Fujiyoshi Yasushi, Fujiwara Chusei, Yamashita Kazuya, : Cloud scientific studies in the atmospheric boundary layer, 2nd China-Japan Workshop on Air-Sea-Land Interactions (ASLI), Guangzhou, China, 4-Nov-2010
- 58) Tanimoto, Y., H. Tokinaga, and S.-P. Xie : A local pressure minimum over Kuroshio, The 2 Kuroshio Implementation Panel (KIP) Workshop, Tokyo, Japan, 15-Nov-2010
- 59) Ohshima, K. I., Nihashi, S., Tamura, T., and Fukamach, Y. : Polynya formation and sea ice production off Cape Darnley Antarctica, revealed by ALOS PALSAR and AMSR-E data, 4th ALOS Joint PI Symposium, Tokyo, Japan, 15-Nov-2010
- 60) Toyota, T., C. Haas : Retrieval of the thickness distribution of sub-Arctic and Arctic sea ice using ALOS/PALSAR, The 4th Joint PI Symposium of ALOS Data Nodes for ALOS Science, Tokyo, Japan, 16-Nov-2010
- 61) Ebcuhi, N. : Evaluation of wind speed algorithm of AMSR and AMSR - E using scatterometer-derived wind, Joint PI Workshop of Global Environmental Observation Mission, Tokyo, Japan, 8-Dec-2010
- 62) Yoshida Kohei, and Yamazaki Koji : Tropical cooling in the case of stratospheric sudden warming in January 2009: focus on the tropical tropopause layer, AGU fall meeting 2010, San Francisco, USA, 12-Dec-2010
- 63) Nakanowatari, T., K. Uchimoto, T. Nakamura, H. Mitsudera, K. I. Ohshima, Decadal to pentadecadal variability of intermediate water temperature in the Sea of Okhotsk: An ice-ocean coupled model simulation, 2010 AGU Fall Meeting, San

francisco, USA, 13-Dec-2010

- 64) Tanimoto, Y. : A low SLP wedge and ageostrophic surface winds along the Kuroshio and its extension – Analysis and monitoring, Air-sea Interaction and Climate Variability over the Northwest Pacific, Honolulu, Hawaii, Dec-2010
- 65) Ohshima, K. I., Nihashi, S., Iwamoto, K., and Tamura, T. : Development of sea ice thickness and concentration algorithm in thin ice regions, Joint PI Workshop of Global Environmental Observation Mission, Tokyo, Japan, 7-Dec-2010
- 66) Iwamoto, K., Ohshima, K. I., Tamura, T., and Nihashi, S. : Mapping of sea ice production in the Arctic Ocean using AMSR-E thin ice algorithm, Second International Symposium on the Arctic Research, Tokyo, Japan, 8-Dec-2010