

# CURRICULUM VITAE

## JONGJIN PARK

Department of Oceanography, Kyungpook National University

### Contacts

---

**Office:** Building #4, Office104, Department of Oceanography, Kyungpook National University (Sangju Campus), Gajang-Dong, Sangju-Si, Kyungpook, Korea

TEL: 054-530-1472 (office), 010-4226-4598 (home) FAX:

### Education

---

**Ph.D.,** February 2007, Physical Oceanography, Seoul National University, Korea.

Thesis: *Global inertial currents and their energy balance in the oceanic mixed layer*

Adviser: Dr. Kuh Kim

**M.Sc.,** 2002, Physical Oceanography, Seoul National University, Korea

Thesis: *Deep currents estimated from Argo floats in the East/Japan Sea.*

Adviser: Dr. Kuh Kim

**B.Sc.,** 1999, B.S. in oceanography, Seoul National University, Korea.

### Position

---

Assistant Professor, Sep. 2012-present, Department of Oceanography, Kyungpook National University

Tenure-track Assistant Scientist Faculty, Nov.2009-Aug.2012, Woods Hole Oceanographic Institution.

Representative of Physical Oceanography Department at WHOI postdoc association from July 2008 to July 2009

Post Doctoral Scholar, Oct. 2007-Oct.2009, Woods Hole Oceanographic Institution

### Awards

---

Postdoctoral Scholar Award at the Woods Hole Oceanographic Institution, 2007

Top graduation in a doctor of science, 2007.

Best poster award in PICES (North Pacific Marine Science Organization) 15<sup>th</sup> annual

meeting, Yokohama, Japan, 2006.

Brian Korea 21 program, Korean Ministry of Education 2000-2005

University scholarships four times in my graduate course, 2000-2004

University scholarships two times in my undergraduate course, 1997-1998

### ***Research Interests***

---

- General

My primary areas of research can be described under the broad title of influence of the small scale motion on the large scale phenomena. I am interested in the dynamics and variability of internal wave and its interaction with large scale/low frequency circulations especially in the upper ocean, with special emphasis on the wave energy dissipation and its consequences on physical and biogeochemical environments.

- Turbulent energy conversion from internal waves

Ocean turbulent mixing mainly induced by breaking of internal waves is highly intermittent and patchy. Such intrinsic nature of ocean mixing hinders our attempt not only to quantify mixing level but also to identify its dynamics, even though the mixing plays a crucial role on spatio-temporal distribution of biogeochemical materials.

- Development of turbulence glider

An ocean turbulence glider is the only viable instrument to detect and measure energy conversion from internal wave to mixing as a product of complicated interaction with eddies and fronts, which is an autonomous and controllable vehicle capable of following frontal features and capturing the highly intermittent energy conversion processes even under severe weather conditions like mid-latitude storms and tropical cyclones. I am developing two kinds of ocean turbulence glider together with WHOI engineers and will optimize the design of turbulence glider after three field experiments scheduled in 2011.

- Autonomous observation network for interdisciplinary research

The turbulence glider will fly together with other normal glider fleets planned for the Ocean Observing Initiative (OOI) Pioneer Array in the New England shelf slope region in 2012. The cutting-edge technologies of autonomous vehicles utilized in the OOI would greatly improve spatial resolution of the concurrent observations of physical and biological quantities and thus would help us to understand ocean turbulence's role on not only large-or meso-scale physical processes but also interactions with biological processes in the ocean.

## ***Publications***

---

### ***THESES***

**Park, J.J.**, 2002, Deep Currents from Argo floats in the East Sea. M.Sc. Thesis. Seoul National University, Korea, pp. 82.

**Park, J.J.**, 2007, Global Inertial Currents and their Energy Balance in the Oceanic Mixed Layer. Ph.D. Thesis. Seoul National University, Korea. pp. 140.

### ***BOOK***

Lyu H.-R., D.-H. Kim, and **J.J. Park**, 2006, Data Analysis in Oceanography using Matlab. *Ajin publisher*, 254pp (in Korean).

**Park, J.J.**, H.-R. Lyu, Y.-O. Kwon, and H.-T. Oh, 2009, MATLAB Recipes for Earth Sciences, *Ajin Publisher*, 300pp (in Korean).

### ***PEER-REVIEWED PAPERS***

Nam, S.H., Y.-B. Kim, **J.J. Park**, and K.-I. Chang (2014), Status and Prospect of Unmanned, Global Ocean Observations Network. *J. Kor. Soc. Oceanogr.*, 19(3), 202-214.

Gary, S. S., Lozier, Y.-O. Kwon, and **J.J. Park** (2014), The fate of North Atlantic Mode Water in the FLAME model. *J. Phys. Oceanogr.*, 44, 1354-1371.

Cho, C.O., S. Park, Y. H. Kim, K.-A. Park, **J. J. Park**, M.-K. Park, S. Li, J.-Y. Kim, J.-Y. Kim, and K.-R. Kim (2014), Spatial distribution of seasonality of SeaWiFS chlorophyll-a concentrations in the East/Japan Sea. *J. Mar. Sys.*, 139, 288-298.

Seo, H., Y.-O. Kwon, and **J.J. Park** (2013), On the effect of marginal sea SST variability on the North Pacific atmospheric circulation. Submitted into *J. Geophys. Res.*

Hwang, J., M. Kim, **J.J. Park**, S. J. Manganini, D. B. Montlucon, and T. I. Eglint (2013), Alkenones as tracers of surface ocean temperature and biological pump processes on the Northwest Atlantic margin. Submitted to *Deep Sea Res.*

**Park, J. J.** (2013), Underwater glider: its applicability in the East/Japan Sea. *Ocean Polar Res.*, 35(2), 107-121.

- Kim, Y.-B., K.-I. Chang, J.-H. Park, and **J. J. Park** (2013). Variability of the Dokdo Abyssal Current observed in the Ulleung Interplain Gap of the East/Japan Sea. *Acta Oceanologica Sinica*, 32(1), 12–23 LA – English. doi:10.1007/s13131-013-0263-y
- Park, J. J.**, and Kim, K. (2013). Deep Currents obtained from Argo Float Trajectories in the Japan/East Sea. *Deep Sea Research II*, 1–45.
- Lim, S.-S., C. J. Jang, I. S. Oh, and **J.J. Park**, 2012, Mixed layer climatology for the East Sea (Japan Sea). *J. Mar. Sys.*, **96-97**, 1-14.
- Na, H., K.-Y. Kim, K.-I. Chang, **J. J. Park**, K. Kim, and S. Minobe, 2012, Decadal variability of the upper ocean heat content in the East/Japan Sea and its relationship with the Northwestern Pacific variability. *J. Geophys. Res.*, **117**, C02017, doi:10.1029/2011JC007369
- Park, J.J.**, Y.-O. Kwon, and J. Price, 2011, Argo array observation of ocean heat uptake induced by tropical cyclones in the North Pacific. *J. Geophys. Res.* **116**, C12025, doi:10.1029/2011JC007165.
- Byun, S.-S., **J. J. Park**, K.-I. Chang, and R. W. Schmitt, 2010, Observation of near-inertial wave reflections within the thermostad layer of an anticyclonic mesoscale eddy, *Geophys. Res. Lett.*, 37, L01606, doi:10.1029/2009GL041601.
- Park, J.J.**, K. Kim, and R.W. Schmitt, 2009, Global distribution of the decay timescale of mixed layer inertial motion observed by Satellite tracked drifter. *J. Geophys. Res.*, **114**, C11010, doi:10.1029/2008JC005216.
- Kim, Y.H., K.-I. Chang, **J.J. Park**, S.-K. Park, S.-H. Lee, Y.-G. Kim, K.T. Jung, and K. Kim, 2009, Comparison between a reanalyzed product by the 3D-Var assimilation technique and observations in the Ulleung Basin of the East/Japan Sea. *J. Mar. Sys.*, **78**, 249-264.
- Park, J.J.**, K. Kim, and J.-Y. Yang, 2008, Outflow of Intermediate Water in the East/Japan Sea through the Tsugaru Strait. *Geophys. Res. Lett.*, 35, L07601, doi:10.1029/2007GL032981.
- Park, J.J.** and K. Kim, 2007, Evaluation of calibrated salinity from profiling floats with high resolution conductivity-temperature-depth data in the East/Japan Sea. *J. Geophys. Res.*, 112, C05049, doi:10.1029/2006JC003869.
- Kuh Kim, Y. B. Kim, **J.J. Park**, S.H. Nam, K.-A. Park, and K.-I. Chang, 2005, Long-term and Real-time Monitoring System of the East/Japan Sea. *Ocean Science Journal*, 40(1), 25-44.

**Park, J.J.**, K. Kim, and B. A. King, Global Statistics of Inertial Motion, 2005, *Geophys. Res. Lett.*, 32, L14612, doi:10.1029/2005GL023258.

**Park, J.J.**, K. Kim, B. A. King, and S. C. Riser, 2005, An advanced method to estimate deep currents from Profiling Floats. *J. Atmos. Oceanic Tech.*, 22, 1294-1304.

**Park, J.J.**, K. Kim, and W. R. Crawford, 2004, Inertial currents estimated from surface trajectories of Argo floats. *Geophys. Res. Lett.*, 31, L13307, doi:10.1029/2004GL020191.

### ***Manuscripts submitted***

---

Kim, Y.-B., K.-I. Chang, J.-H. Park, and **J. J. Park**, 2011, Dokdo Abyssal Current Variability Observed in the Ulleung Interplain Gap of the East/Japan Sea, *Submitted to Acta Oceanologica Sinica in Oct. 2011* (Served as a corresponding author).

### ***Manuscripts in preparation***

---

**Park, J.J.**, Y.-O. Kwon, and D. Fratantoni, 2012, Eddy-like features of Eighteen Degree Water. In preparation for Deep Sea Res.

**Park, J.J.**, P. Gaube, D. Chelton, and B. Owens, 2012, Argo float sampling in mesoscale eddies. In preparation for J. Phys. Oceanogr.

Hwang, J., S. Manganini, R. Krishfield, **J.J. Park**, 2012, Temporal and spatial variability of particle transport in the deep Canada Basin. In preparation for J. Geophys. Res.

Farrar, J., and **Park, J.J.**, 2012, Inter-comparison of turbulence dissipation rate between pulse coherent ADCP and microstructure profiler. In preparation for J. Atmos. Oceanic Technol.

### ***Unpublished Report***

---

King, B.A. and **J.J. Park**, Report on second Argo trajectory workshop (ATW-2), Incheon, Korea, 27-28 October, 2006.

### ***Professional Experience***

---

**Mar. 2011**                      Discussing with Dr. E. Siegal (Nortek) about turbulent

- measurement using Nortek high resolution ADCP (named as Aquadopp)
- Feb. 2011-Present** Planning proposals with Dr. T. Farrar (WHOI) about meridional propagation of Rossby wave using satellite sea surface height and Argo float data.
- Feb. 2011-Present** Planning proposals with Dr. B. Owens (WHOI) about turbulent measurement in the tropical undercurrent region.
- Feb. 2011-Present** Discussion with Dr. Y. Chao (JPL) about thermal-powered engine for profiling float and glider.
- Dec. 2010-Present** Collaborating with Dr. K. Polzin (WHOI) about high frequency wave energy conversion from near-inertial wave through triad wave-wave interaction.
- Aug. 2010-Present** Collaborating with Prof. L. Talley (UCSD) about Eighteen Degree Water destruction by mixing inside or near eddies
- Aug. 2010-Present** Planning proposals with Dr. G. Gawarkiewicz (WHOI) about slope current variability affected by turbulent mixing using microstructure gliders and the OOI Pioneer array.
- May. 2010-Oct. 2010** Discussing with Dr. X. Huang (WHOI) about lateral stirring and mixing along isopycnal surfaces
- Mar. 2010-Present** Collaborating with Dr. I. Rypina (WHOI) about dynamical relation between lateral stirring and vertical mixing.
- Dec. 2009-Present** Collaborating with Dr. B. Owens and Dr. L. St. Laurent (WHOI) about integrating new long-term enduring turbulence glider.
- Jan. 2009-Present** Discussing and preparing a proposal with Prof. H. Simmons (UAF) about mixed layer inertial kinetic energy
- Oct. 2008** Discussing with Prof. C. Garrett (UVic) about decay time scale of mixed layer inertial motion.
- Discussing with Dr. H. Freeland (IOS) about the method to estimate temporal correlation function and neutral regression analysis.
- Oct. 2007-Present** Collaborating with Dr. J. Price (WHOI) about ocean response to tropical cyclones
- Nov. 2007-Jan.2008** Collaborating with Dr. R. Schmitt (WHOI) about density ratio change within density compensated layer under strong near-inertial wave shear.
- Oct. 2006** Holding the 2<sup>nd</sup> Argo Trajectory Workshop in Seoul, Korea as a

- co-convenor and a host.
- Mar. 2006** Holding the 1<sup>st</sup> Argo Trajectory Workshop in Venice, Italy as a co-convenor.
- Oct. 2005** Discussing with Prof. C. Garrett (UVic) in University of Victoria about global inertial kinetic energy flux and inertial energy decay timescale in the mixed layer.
- Sep. 2005** Discussing with Dr. E. D'Asaro and Dr. Matthew Alford in Applied Physics Laboratory, University of Washington about distribution of global inertial kinetic energy.
- Aug. – Oct. 2004** Coworking with Prof. Harry Bryden and Dr. Brian King in NOC, UK about the intermediate circulation in the South Atlantic Ocean for about three months.
- Mar. 2004** Discussing with Prof. Chris Garrett in University of Victoria about importance of global inertial motion study.
- Jan. – Mar. 2004** Coworking with Dr. Howard Freeland in IOS, Canada about estimation of absolute geopotential height from Argo floats for three months.
- Coworking with Dr. William Crawford in IOS about estimation of inertial current from Argo float trajectory and resulting in joint publication.
- Feb. – Jul. 2003** Coworking with Prof. Harry Bryden and Dr. Brian King in NOC (National Oceanography Centre for Southampton), UK about developing a method to estimate deep current from ARGO floats for about 6 months and resulting in joint publication.

### **Teaching Experience**

---

- Sep.-Dec. 2004 Teaching assistants for undergraduate students: 'Fluid Mechanics' in Seoul National University, Korea.
- Mar.-Dec. 2005 Teaching assistants for graduate students: 'Physical Oceanography' in Seoul National University, Korea.
- Mar.-Jun. 2007 Lecturer for graduate students: 'Data analysis for physical oceanographer using Matlab' in Chunnam University, Korea.

### **Technical Experience**

---

- Developing a method to estimate deep current from Profiling float trajectory data

- Lagrangian data analysis: principle axis analysis and autocorrelation
- One-dimensional time-series analysis: auto/cross spectrum, partial/multiple coherence
- Two-dimensional time-series analysis: EOF and SVD using NCEP reanalysis wind.
- Objective mapping: Objective Analysis, EOF-fitted three dimensional temperature mapping
- Understanding of data assimilation; 4D-Var, Kalman Filter, and ‘Representer’ Method
- Computer programming in FORTRAN, and Matlab for analyzing Lagrangian data (Argo float and Surface Drifter), time-series data (Moored current meter), Model results and hydrographic data
- Setting MOM3 (Modular Ocean Model) in the region the East/Japan Sea
- Setting MITgcm (MIT general circulation model) and making an experiment on generation of thermal front in the region the East/Japan Sea
- Setting ROMS (Regional Ocean Modeling System) and making an experiment about the near-inertial current generation and propagation.
- Working on Windows and Linux/Unix system

### **Research Projects**

---

- 2012** Transport Pathways in the North Atlantic: Searching for Throughput. NSF OCE Physical Oceanography, February 2012, \$615,739 (CoPI: Irina Rypina and Larry Pratt)
- 2012** Fine- and Microstructure Observations in Conjunction with a GEOTRACES Section along 40°S in the Atlantic. NSF RAPID, December, 2011, \$201,569 (CoPI: Kurt Polzin)
- 2010** Proposed to NASA Salinity Working Group Grant, October 2010: Monitoring Sea-Surface Salinity Variability during SPURS. (CoPI: Ray Schmitt)
- 2011-2012** Companion Project: Uncovering the Lagrangian template of stirring on the Martha’s Vineyard inner shelf using a combination of near-surface drifters, high-resolution HF radar system, and techniques from the dynamical systems theory. *WHOI Coastal Ocean Institute Grant*, July, 2010, \$158,235 (CoPI: Irina Rypina)
- 2011-2012** (Leading PI.) Test deployments of long-endurance microstructure sensors on a Spray glider. *Proposal to Access to the Sea Program*, July 2010, \$75,720 +start-up research fund of \$275,628 (CoPI: Breck Owens and Lou St. Laurent)



- 2010** (Leading PI.) Collaborative Research: Global Kinetic Energy Flux of Near-Inertial Oscillation from the Mixed Layer to the Ocean Interior. *Proposal to the NSF OCE Physical Oceanography*, February 2010 (CoPI: H. Simmons).
- 2010** Fine- and Microstructure Observations in conjunction with a GEOTRACES section along 40°S in the Atlantic. *Proposal to the NSF OCE Physical Oceanography*, February 2010 (CoPI: K. Polzin)
- 2010** Collaborative Research: Seasonal and Basin-wide Variation of Near-Inertial Oscillation at the Intermediate Depth of the North Atlantic Ocean. *Proposal to the NSF OCE Physical Oceanography*, February 2010 (CoPI: J.-H. Park, and T. Rossby)
- 2010-2012** Collaborative Research: Evolution and Fate of Eighteen Degree Water in the North Atlantic Subtropical Gyre. *NSF OCE Physical Oceanography, April 2010*, \$1,852,546 (CoPI: Young-Oh Kwon, Dave Fratantoni, Fiamma Stranto, Lynne Talley, and Susan Lozier)
- 2008-2010** Quantification of Uncertainty in Argo Observation of Ocean Response to Hurricane. *NSF SGER Physical Oceanography*, July 2008 (CoPI: Young-Oh Kwon and Jim Price)
- 2007-2008** ‘Regionally adapted real time quality control of Argo float profile data for ocean forecast system’ funded by Korea Meteorological Administration.
- 2005-2007** ‘A Study on the Model to Nowcast the Local Temperature Structure Around the Korean Peninsula by High Resolution Mode Analysis’ funded by Agency for Defense Development of Korea (Producing reanalysis temperature field for 10 years by 3D-Var data assimilation and Developing a mapping technique using EOF)
- 2006** ‘Heat content variation in the East/Japan Sea interacting with that in the North Pacific’ funded by Korea Meteorological Administration.
- 2006** ‘Research on the data assimilation methods for the real-time forecast model of the East Sea’ funded by Agency for Defense Development of Korea (Kalman Filter)
- 2005** ‘Analysis of physical environment in the northern part of the East Sea’ funded by Korea Navy (Hydrographic data analysis and drifter & profiling float trajectory analysis)
- 2003-2005** ‘Research on the data assimilation methods for the real-time forecast model of the East Sea’ funded by Agency for Defense Development of Korea (Data quality control & development of 3D VAR algorithm)

- 2002-2005** ‘Basic research for practical use of Argo data’ funded by Korea Meteorological Administration (quality control of Argo data and ocean response to typhoon and tropical storm)
- 2000-2002** ‘Observation and analysis of physical environmental parameters for development and application of bottom-mounted systems’ funded by the Agency for Defense Development of Korea (coding optimal interpolation)
- 2000-2002** ‘Analysis of three dimensional temperature structures to verify the tomography system’ funded by the Agency for Defense Development of Korea (observation and data analysis)
- 1999-2002** ‘Real time monitoring of ocean environmental change’ funded by the Ministry of Science and Technology through National Research Laboratory program (observation and data analysis)
- 1997-2002** ‘Research on the internal waves in the East Sea’ funded by the Agency for Defense Development of Korea (observation and data analysis)

### ***Proceedings***

---

- Park, JongJin.**, Decay Time Scale of Mixed Layer Inertial Motions in the World Ocean (Observations from Satellite Tracked Drifters). *AGU Fall meeting in San Francisco, December 14-19, 2008.*
- Byun S.-S., **JongJin Park**, J.-H. Park, S.H. Nam, N. Hirose, and K.-I. Chang, Observation of Trapped and Amplified Near-inertial Waves Interacting with an Anticyclonic Eddy in the East/Japan Sea. *AGU Fall meeting in San Francisco, December 14-19, 2008.*
- Park, JongJin**, Kuh Kim, and Ray W. Schmitt,  
Global distribution of mixed layer inertial decay timescale  
*AGU Fall meeting in Sanfrancisco, 2008.*
- Park, JongJin** , Joon-Yong Yang, and Kuh Kim,  
Direct measurement of Tsugaru Through Flow.  
*XXIV IUGG meeting in Perugia, Italy , 2007.*
- Park, JongJin** , and Kuh Kim,  
Topographic steering characteristics of mid-depth current estimated from Argo floats in the East/Japan Sea .  
*XXIV IUGG meeting in Perugia, Italy , 2007.*
- Park K. A., **JongJin Park**, K. Kim, Y.H. Youn, and M.H. Ahn, Comparison of Satellite-derived Sea Surface Temperature and Subsurface Temperature from ARGO

Profiling Floats in the Pacific Ocean,  
*GODAE Symposium on Ocean Data Assimilation and Prediction in Asia-Oceania, Beijing, China, 16-18 October, 2006.*

Kim, Y.-H., S.-H. Lee, **JongJin Park**, S.-K. Park, K.-I. Chang, Y.-G. Kim, D. R. Watts, and K. Kim,

Comparison between a reanalysis product by the 3D-Var. technique and observations in the Ulleung Basin of the East/Japan Sea (from 1999 to 2001),  
*GODAE Symposium on Ocean Data Assimilation and Prediction in Asia-Oceania, Beijing, China, 16-18 October, 2006.*

**Park, JongJin** and K. Kim

Kinetic energy flux of inertial frequency motion out of the mixed layer and its balance with wind energy input in the global scale ocean  
*15<sup>th</sup> PICES annual meeting in Yokohama, Japan, 13-21 October, 2006.*

Kim Y.-B., K.-I. Chang, J.-H. Park, **JongJin Park**, D. R. Watts, J.-H. Lee, and K. Kim,  
Low-frequency deep flow variability in the Ulleung Basin.  
*15<sup>th</sup> PICES annual meeting in Yokohama, Japan, 13-21 October, 2006.*

Kim, K and **JongJin Park**, Argo for long-term ocean variability and climate research.  
*Hokkaido University International Symposium on Sustainable Development, Sapporo, Japan, 7-9 August, 2006.*

**Park, JongJin**, and K. Kim,

Global distribution of inertial energy and inertial energy flux.  
*2<sup>nd</sup> Argo Science workshop in Venice, Italia, 2006.*

**Park, JongJin**, and K. Kim,

Horizontal Length Scale of Surface Inertial Amplitude obtained from Argo float and surface drifter data.  
*13<sup>th</sup> Ocean Science Meeting in Hawaii, USA, 2006.*

Yang J.-Y., and **JongJin Park**,

Korean Argo Delayed Mode Quality Control  
*6th Argo Data Management Team Meeting in Japan Meteorological Agency, Japan, 2005.*

**Park, JongJin**, K.-A. Park, K. Kim, and Y.-H. Youn,

Statistical Analysis of Upper Ocean Temperature Response to Typhoons from Argo floats and Satellite data. *IGRSS, Seoul, Korea, 2005.*

**Park, JongJin**, K.-A. Park, K. Kim, and Y.-H. Youn,

Salinity Changes and Fresh Water Flux during Typhoon Events using data from Argo floats and Satellites. *IGRSS, Seoul, Korea, 2005.*

- Park, JongJin**, K. Kim, B. A. King, and S. C. Riser,  
An advanced method to estimate deep currents from Profiling Floats. *Dynamic Planet 2005*, Cairns, Australia, 2005.
- Park JongJin**, K. Kim, and B. A. King,  
Global Statistics of Inertial Motion, *Dynamic Planet 2005*, Cairns, Australia, 2005.
- Park, JongJin**, K.-A. Park, K. Kim, and Y.-H. Youn  
Integrated observation of upper ocean response to Typhoons and Tropical Storms from Argo floats and Satellites, *85<sup>th</sup> American Meteorological Society Annual Meeting in SanDiego, USA, 2005*
- Park, JongJin**, B. A. King, and K. Kim  
Deep currents estimated from Argo floats  
*5th Argo Data Management Team Meeting in Southampton Oceanographic Centre, UK, 2004.*
- Park, JongJin**, K.-A. Park, K. Kim, and Y.-H. Youn,  
Upper ocean response to typhoon and tropical storms, *North Pacific Marine Science Organization 13th Annual Meeting in Hawaii, USA, 2004*
- Nam, S.-H., **JongJin Park**, Y.-B. Kim, Y.-H. Kim, D.-J. Kim, K.-A. Park, J.-Y. Yun, W.-I. Moon, and K. Kim  
Observing systems in the East (Japan) Sea :A monitoring buoy with moored instruments, surface and subsurface drifting floats, and satellite measurement  
*North Pacific Marine Science Organization 13th Annual Meeting in Hawaii, USA, 2004*
- Park, JongJin**, K. Kim, and S. C. Riser  
Statistics of Inertial motion from Profiling Floats in the East/Japan Sea  
*Proceedings of 12th PAMS/JECSS Meeting in Hangzhu, China, 2003.*
- Park, JongJin**, K. Kim, B. A. King, and S. C. Riser  
An advanced method to estimate deep currents from Profiling Floats  
*Proceeding of 1st International Argo Science Workshop, in Tokyo, Japan, 2003*
- Kim K and **JongJin Park**,  
Global Statistics of Inertial Motions from Profiling Floats  
*Proceeding of 1st International Argo Science Workshop, in Tokyo, Japan, 2003*
- Park, JongJin** and K. Kim  
Importance of surface water property in previous winter on the formation of

HSIW in the East/Japan Sea

*North Pacific Marine Science Organization 12th Annual Meeting in Seoul, Korea, 2003.*

S.-H. Nam, Y.-H. Kim, S.-J. Lyu, **JongJin Park**, K. Kim, K.-W. Kim, and H. Ossi

Recent ADCP-related activities and development of ESROB (East Sea Real-time Ocean Buoy) off the Korean east coast

*Proceedings of ADCPs in Acrion II in San Diego, CA, 2003.*

**Park, JongJin**, K. Kim, and S. C. Riser, A new method to estimate velocity from APEX

(Autonomous Profiling Explorer): Circulation Pattern at 800m in the East/Japan Sea, *2002 Ocean Sciences Meeting*, Hawaii, USA, 2002.