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## Education:

- **Stony Brook University** Stony Brook, NY  
Ph.D. in Physical Oceanography 09/2001 ~ 08/2006
- **South China Sea Institute of Oceanology, Chinese Academy of Sciences** Guangzhou, China  
M.S. in Physical Oceanography 09/1998 ~ 08/2001
- **Xiamen University** Xiamen, China  
B.S. in Physical Oceanography 09/1994 ~ 08/1998

## Research Experience:

- **“Bai-Ren” Professor**, 07/2011 ~ present  
Department of Atmospheric and Oceanic Sciences, Peking University
- **Research Scientist**, 01/2009 ~ 06/2011  
Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology
- **Postdoctoral Associate**, 09/2006 ~ 12/2008  
Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology
- **Research Assistant**, 09/2001 ~ 08/2006  
Marine Science Research Center, Stony Brook University
- **Research Assistant**, 09/1998 ~ 08/2001  
South China Sea Institute of Oceanology, Chinese Academy of Sciences, China

## Honors & Activities:

- Outstanding Young Scientist Award, International POM Workshop on Modeling the Ocean (2009)

## Publications:

- **Wei, J.**, C. Chen, P. Rizzoli, and R. C. Beardsley, 2012. Assessment of Kalman filter data assimilation in the Northeast Channel of Gulf of Maine. (Submitted)
- **Wei, J.**, P. Xue, D. Zhang, P. Rizzoli and E. A.B. Eltahir, 2012. Coupling of A Regional Atmospheric Model (RegCM3) and A Regional Oceanic Model (FVCOM) Over the Maritime Continent. (Submitted)
- Xu, D., **J. Wei** and P. Rizzoli, 2012. The seasonal variability of the upper layers of the South China Sea and Indonesian Seas: An ocean model study (Submitted)
- Chen, H., P. Tkalich, P. Rizzoli and **J. Wei**, 2012. The forced and free response of the South China Sea to the large-scale monsoon system. *Ocean Dynamics*, 62, 3, 377-393.
- **Wei, J.**, H. Zheng, H. Chen, B. H. Ooi, M. H. Dao, W. Cho, P. Malanotte-Rizzoli, P. Tkalich, and N. M. Patrikalakis, 2010. Multi-layer Model Simulation and Data Assimilation in the Serangoon Harbor of Singapore. Proceedings of the 20th International Offshore and Polar Engineering Conference, International Society of Offshore and Polar Engineers (ISOPE), Beijing, China 2010.

- Ooi, B. H., H. Zheng, K. P. Yue, H. Kurniawati, P. Sundarambal, M. H. Dao, K. A. P. Roopsekhar, **J. Wei**, W. Cho, P. Tkalich, P. Malanotte-Rizzoli and N. M. Patrikalakis, 2010. Case study of phytoplankton blooms in Serangoon harbor of Singapore. Proceedings of Oceans'10 IEEE, Sidney, Australia, 2010.
- Chen, H., **J. Wei**, P. Tkalich and P. Malanotte-Rizzoli, 2010. The various components of the circulation in the Singapore Strait region: tidal, wind and eddy-driven circulations and their relative importance. Proceedings of the 20th International Offshore and Polar Engineering Conference, International Society of Offshore and Polar Engineers (ISOPE), Beijing, China 2010.
- **Wei, J.**, and P. Rizzoli, 2009. Validation and application of an ensemble Kalman filter in the Selat Pauh channel of Singapore. Ocean Dynamics, doi:10.1007/s10236-009-0253-y.
- Ooi, B. H., H. Zheng, H. Kurniawati, W. Cho, M. H. Dao, **J. Wei**, P. Zemsyy, P. Tkalich, P. Malanotte-Rizzoli, N. M. Patrikalakis, 2009. Multi-Vehicle Oceanographic Feature Exploration. Proceedings of the 19th International Offshore and Polar Engineering Conference, International Society of Offshore and Polar Engineers (ISOPE), Osaka, Japan 2009.
- **Wei, J.**, and D-P Wang, 2009. A numerical study of Gulf Stream warm core rings interacting with the shelfbreak and slope. Continental Shelf Research, doi:10.1016/j.csr.2009.05.009
- Chen, C., P. Rizzoli, **J. Wei**, 2009. Comparison and validation of Kalman Filters for Coastal Ocean Problems: An Experiment with FVCOM. J. Geophys. Res., 114, C05011, doi:10.1029/2007JC004548
- **Wei, J.**, D-P Wang, and C. Flagg, 2008. Mapping Gulf Stream warm core rings from shipboard ADCP transects. J. Geophys. Res., 113, C10021, doi:10.1029/2007JC004694
- Chen, C. Q., **J. Wei**, and P. Shi, 2003, Atmospheric correction of SeaWiFS imagery for turbid waters in Southern China coastal seas, proceedings of SPIE, Ocean Remote Sensing and Applications ( EI), Vol.4892, 80-86.
- **Wei, J.**, C. Q. Chen, and P. Shi, 2002. A practical algorithm for atmospheric correction of SeaWiFS data. Acta Oceanologica Sinica. 24(4): 118-126.