

Curriculum Vitae

Fuchang Wang

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General Information

Institute address: Center for Ocean-Atmospheric Prediction Studies
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Professional Preparation

- 2016 **Doctor of Meteorology**
Institute of Atmospheric Physics (IAP), Chinese Academy of Sciences
(CAS)
University of Chinese Academy of Sciences
Thesis Advisor: Prof. Hailong Liu and Jianhua Lu
Thesis title: Isopycnal Stationary and Transient Mesoscale Eddy Mixing,
Transport and Diffusivity in Reanalysis and Eddy Resolving Models
- 2010 **Bachelor of Meteorology**
Department of Atmospheric Sciences, Nanjing University of Information
Science and Technology

Professional Experience

- 2016-present Postdoctoral Scientist, Center for Ocean-Atmospheric Predictions Studies,
Florida State University
- 2012 Visiting Student, Center for Ocean-Atmospheric Predictions Studies,
Florida State University

Peer-reviewed Journal Publications

1. Lu J., **F. Wang**, H. Liu, P. Lin (2016), [Stationary Meso-Scale Eddies, Up-gradient eddy Fluxes and the Anisotropy of Eddy Diffusivity](#). *Geophy. Res. Lett.*, 43(2), 743-751.
doi:10.1002/2015GL067384.
2. Lin P., H. Liu, H. Li, W. Xue, J. Jiang, M. Song, Y. Song, **F. Wang** and M. Zhang.
(2016), [A coupled experiment with LICOM2 as the ocean component of CESM1](#), Journal of Meteorological Research, 30 (1), 76-92.
3. Feng X., H. Liu, **F. Wang**, Y. Yu, D. Yuan. (2013), [Indonesian Throughflow in an eddy-resolving ocean model](#). Chinese Science Bulletin. 58 (35), 4504-4514.
4. **Wang F.**, R. Yu, H. Chen, et al. 2011, [The Characteristics of Rainfall Diurnal Variation over the Southwestern China](#) (in Chinese), 30 (2): 117-121.

Publication in Preparation

1. **Wang F.**, J. Lu, H. Liu, P. Lin (2016), On the decomposition of Stationary and Meso-Scale Eddies: Eddy Transport and Eddy Diffusivity. (To be submitted to Journal of Physical Oceanography).
2. **Wang F.**, H. Liu, J. Lu, P. Lin (2016), Comparing the Methods for Calculating Eddy Diffusivity Parameters. (To be submitted to Advances in Atmospheric Sciences).

Book Chapters

1. Liu H., Y. Yu, P. Lin, and **F. Wang**, 2014, [High-Resolution LICOM](#). in : [Flexible Global Ocean-Atmosphere-Land System Model](#), Springer Earth System Sciences. T. Zhou et al. (eds.), Springer-Verlag Berlin Heidelberg.

Conference Presentations (poster)

1. **Wang F.**, H. Liu, J. Lu, P. Lin. (2014), The thickness diffusivity in high resolution ocean model. 2014 Ocean Sciences Meeting. February 23-28, Hawaii, Honolulu.
2. **Wang F.**, H. Liu, J. Lu, P. Lin. (2013). Thickness diffusivity diagnosed in a high resolution ocean model. November 18-20, Qu Zhou, China.
3. **Wang F.**, H. Liu, J. Lu, P. Lin. (2013). Thickness diffusivity diagnosed in an eddy-resolving ocean model. December 3-4, Beijing, China.