

Curriculum Vitae

Name: Lu Dong

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Education:

2015—present, post-doctor, Pacific Marine Environmental Laboratory, National Oceanic and Atmospheric Administration, Thesis: The role of tropical oceans in climate

Sponsor: Dr. Michael James McPhaden

2010—2015, PhD, Institute of Atmospheric Physics, Chinese Academy of Sciences, Thesis: The Indian Ocean warming and Pacific decadal variability during the twentieth century: roles of natural internal variability and anthropogenic external forcing

Supervisor: Dr. Zhou Tianjun

2006—2010, Bachelor, Department of Atmospheric Sciences, Ocean University of China, Qingdao, China

Honors and Awards:

- **2014:** National Scholarship granted by The Ministry of Education of China; Outstanding Student of Graduate University of Chinese Academy of Sciences

- **2013:** National Scholarship granted by The Ministry of Education of China; Outstanding Student of Graduate University of Chinese Academy of Sciences

- **2012:** Outstanding Student of Graduate University of Chinese Academy of Sciences

□ **2009:** First Prize Scholarship of Ocean University of China; National Scholarship granted by The Ministry of Education of China

□ **2008:** First Prize Scholarship of Ocean University of China; Outstanding Student of Ocean University of China

□ **2007:** Second Prize Scholarship of Ocean University of China

Research field:

□ The mechanisms of long-term change and decadal variability of sea surface temperature;

□ Large-scale ocean-atmosphere interaction;

□ The effects of anthropogenic external forcing and natural internal variability in climate change

Publications:

1. **Dong Lu**, Tianjun Zhou and Xiaolong Chen, 2014a: Changes of Pacific Decadal Variability in the Twentieth Century Driven by Internal Variability, Greenhouse Gases and Aerosols. *Geophys. Res. Lett.*, 41, DOI: 10.1002/2014GL062269.

2. **Dong Lu**, Tianjun Zhou, 2014a: The formation of the recent cooling in the eastern tropical Pacific Ocean and the associated climate impacts: A competition of global warming, IPO and AMO. *J. Geophys. Res. Atmos.*, 119, 11,272–11,287, DOI: 10.1002/2013JD021395.

3. **Dong, Lu**, and Tianjun Zhou, 2014b: The Indian Ocean Sea Surface Temperature Warming Simulated by CMIP5 Models during the 20th Century: Competing Forcing Roles of GHGs and Anthropogenic Aerosols. *Journal of Climate*, 27, 3348–3362.

4. **Dong Lu**, Tianjun Zhou and Bo Wu, 2014b: Indian Ocean warming during 1958-2004 simulated by a climate system model and its mechanism. *Clim. Dyn.*, 42: 203-217, doi: 10.1007/s00382-013-1722-z.

5. **Dong Lu**, Tianjun Zhou, 2013: Steric Sea Level Change in Twentieth Century Historical Climate Simulation and IPCC-RCP8.5 Scenario Projection: A Comparison of Two Versions of FGOALS Model. *Advances in Atmospheric Sciences*, 30(3): 841–854, doi:10.1007/s00376-012-2224-3.

6. **Dong Lu**, Tianjun Zhou, 2014: Contributions of natural and anthropogenic forcings to the twentieth-century Pacific sea surface temperature variability simulated by a climate system model. *Acta Oceanologica Sinica* (in Chinese), 36(3): 48-60.

7. Zhou Tianjun, Bo Wu, **Lu Dong**, 2014: Advances in Research of ENSO Changes and the associated Impacts on Asian-Pacific Climate, *Asia-Pacific Journal of Atmospheric Sciences*, 50(4), 405-422.

8. Zhou Tianjun, Xiaolong Chen, **Lu Dong**, Bo Wu, Wenmin Man, Lixia Zhang, Renping Lin, Junchen Yao, Fengfei Song, Chongbo Zhao, 2014: Chinese Contribution to CMIP5: An Overview of Five Chinese Models' Performances, *Journal of Meteorology Research*, 28(4): 481–509, doi: 10.1007/s13351-014-4001-y.

Conference presentations and posters:

1. **Dong Lu**, 2014: Influence of external forcing in phase transition of Pacific Decadal Variability (Oral). Annual Academic Conference of POL. (Qingdao, China)

2. **Dong Lu**, 2014: Changes of Pacific Decadal Variability in the Twentieth Century Driven by Internal Variability, Greenhouse Gases and Aerosols (Oral). The Thirteenth LASG Climate System Modeling Workshop. (Beijing, China)

3. **Dong Lu**, 2014: The Indian Ocean Sea Surface Temperature Warming Simulated by CMIP5 Models during the 20th Century: Competing Forcing Roles of GHGs and Anthropogenic Aerosols (Oral). 1st Congress of Chinese Geodesy and Geophysics. (Beijing, China)
4. **Dong Lu**, 2013: The Indian Ocean Warming Simulated by CMIP5 Models during 1870-2005: Competing Roles of GHGs and Anthropogenic Aerosols Forcing (Oral). 2013 Cross-Strait Youth's Atmospheric Sciences Workshop. (Taiwan, China)
5. **Dong Lu**, 2013: The Indian Ocean Warming Simulated by CMIP5 Models during 1870-2005: Competing Roles of GHGs and Anthropogenic Aerosols Forcing (Oral). The Twelfth LASG Climate System Modeling Workshop. (Quzhou, China)
6. **Dong Lu**, 2012: Indian Ocean warming during 1958-2004 simulated by a climate system model and its mechanism (Poster). Third International Conference on Earth System Modelling (3ICESM) (Hamburg, Germany)