

## Curriculum Vitae

### **Jialin Lin**

Department of Geography  
Ohio State University  
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#### **EDUCATION**

Ph.D., Atmospheric Sciences, 2001, State University of New York, Stony Brook, NY.  
M.S., Nuclear Physics, 1993, Peking University, Beijing, China.  
B.S., Physics, 1990, Tsinghua University, Beijing, China.

#### **PROFESSIONAL EXPERIENCE**

2010-Now: Department of Geography, Ohio State University, Associate Professor  
2008-Now: Environmental Science Graduate Program, Ohio State University, Affiliated  
Assistant Professor, Associate Professor  
2007-2010: Department of Geography, Ohio State University, Assistant Professor  
2005-2007: NOAA ESRL/CIRES Climate Diagnostics Center, Research Scientist II.  
2001-2005: NOAA ESRL/CIRES Climate Diagnostics Center, Research Scientist I.  
1994-2001: State University of New York at Stony Brook, Research Assistant.  
1993-1994: State University of New York at Stony Brook, Teaching Assistant.

#### **INVOLVEMENT IN GRADUATE/PROFESSIONAL EXAMS, THESES, AND DISSERTATIONS**

Doctoral Students (Dissertation advisor):

- Dr. Scott Stuckman – graduated December 2016. Won OSU EPI Summer Research Grant \$4200 in 2009. Won OSU Graduate Associate Teaching Award in 2012. Now Instructor in Biological Sciences at University of Pittsburg.
- Dr. Mike Davis – graduated August 2011. Now Associate Professor in Physical Geography/Meteorology at Kutztown University, Pennsylvania.

- Dr. Meng-Pai Hung (co-advising with Prof. Jeff Rogers) – graduated August 2009. Then did 2 years of postdoc with me before becoming a Research Scientist at NOAA’s National Center for Environmental Prediction (NCEP). Now tenure-track Assistant Professor in Atmospheric Sciences at Chinese Culture University, Taiwan.

Master’s Students (Thesis advisor):

- Alex McCarthy – graduated August 2017. Won OSU Geography Department Taffee Award in 2015. Now Director of the Tuscarawas County Emergency Management Agency.
- Erik Fraza – graduated August 2010. Now Assistant Clinical Professor of Meteorology at in the Department Geosciences at Mississippi State University (MSU).
- Scott Melaragno – graduated August 2010. Now GIS Technician, Columbus Division of Fire, City of Columbus.

Ph.D. students (Dissertation committee member):

- Yuechun Wang
- Gabriel Wawrin
- Rachel Mauk – graduated August 2016
- Alfonso Fernandez – graduated August 2014
- Xiaolin Zhu – graduated May 2014
- Julien Nicolas – graduated April 2014
- Aaron Wilson – graduated August 2013
- Stacy Porter – graduated May 2013
- Daniel Steinhoff – graduated May 2011
- Ryan Lauritsen – graduated March 2011

Master’s students (Thesis committee member):

- Ganesha Chandrasa (Atmospheric Sciences) – graduated December 2017
- Caitlin Stripling (Atmospheric Sciences) – graduated December 2016
- Gabriel Wawrin (Atmospheric Sciences) – graduated December 2016
- Christian Feliciano (Atmospheric Sciences) – graduated August 2016
- Karen Pon (Atmospheric Sciences) – graduated August 2015
- Johnathan Wille (Atmospheric Sciences) – graduated July 2015

- Yiming Zhao (Environmental Science) – graduated April 2015
- Robert Brewer (Atmospheric Sciences) – graduated April 2015
- Andrew Lee (Atmospheric Sciences) – transferred to another university in 2014
- Nate Patrick (Atmospheric Sciences) – graduated May 2014
- Kenneth Morley (Atmospheric Sciences) – graduated April 2014
- Wesley Haines (Atmospheric Sciences) – graduated August 2013
- Zhouxin Xi (Geography) – graduated May 2013
- Jihoon Jun (Geography) – graduated August 2012
- Katelyn Johnson (Geology) – graduated July 2012
- Thomas Ballinger (Atmospheric Sciences) – graduated July 2011
- Bria Youderine (Atmospheric Sciences) – graduated August 2009
- Karin Bumbaco (Atmospheric Sciences) – graduated August 2008
- Mike Davis (Atmospheric Sciences) – graduated August 2008

Ph.D. students (Graduate Faculty Representative):

- Esther Lee, OSU Department of Teaching and Learning
- Bradley Nelson, OSU Politics Department
- Ervin Mathew, OSU Politics Department

### **INVOLVEMENT IN UNDERGRADUATE RESEARCH**

Undergraduate students (Adviser of Summer Research/Independent Study):

- Jennifer Sanborn (won OSU SBS Undergraduate Research Grant \$650)
- Cliff Goff (member of OSU Solar Decathlon Team)
- Sean Smith
- Jeff Morgan
- Theodore Smith

### **POSTDOCTORAL RESEARCHERS ADVISED**

- Dr. Taotao Qian (Senior Research Associate)
- Dr. Meng-Pai Hung, now tenure-track Assistant Professor in Atmospheric Sciences at Chinese Culture University, Taiwan.

- Dr. Yangxing Zheng (co-advising with Dr. Toshi Shinoda of Naval Research Lab), now Research Scientist at Florida State University

### **COURSES TAUGHT**

<b>Quarter /Year</b>	<b>Course No.</b>	<b>Title</b>	<b>Credit Hours</b>	<b>Enrollment</b>	<b>Student Evaluation</b>
Winter 2008	GEOG 520	Climatology	5	36	4.3/5.0
Spring 2008	GEOG 120	Earth System II	5	115	4.0/5.0
Spring 2008	GEOG 520	Climatology	5	27	4.7/5.0
Winter 2009	GEOG 622.01	Boundary Layer Climatology	5	20	4.6/5.0
Spring 2009	GEOG 120	Earth System II	5	132	4.0/5.0
Spring 2009	GEOG 520	Climatology	5	24	4.6/5.0
Winter 2010	GEOG 622.01	Boundary Layer Climatology	5	21	4.6/5.0
Spring 2010	GEOG 120	Earth System II	5	89	4.1/5.0
Spring 2010	GEOG 520	Climatology	5	26	4.8/5.0
Winter 2011	GEOG 622.01	Boundary Layer Climatology	5	18	4.4/5.0
Winter 2011	GEOG 820.03	Basic Skills in Scientific Programming	5	8	4.6/5.0
Spring 2011	GEOG 120	Earth System II	5	113	4.1/5.0
Spring 2011	GEOG 520	Climatology	5	23	4.6/5.0
Winter 2012	GEOG 622.01	Boundary Layer Climatology	5	25	4.3/5.0
Winter 2012	GEOG 820.03	Basic Skills in Scientific Programming	5	9	4.9/5.0
Spring 2012	GEOG 120	Earth System II	5	132	4.4/5.0
Spring 2012	GEOG 520	Climatology	5	26	4.5/5.0
Autumn 2012	GEOG 5921	Boundary Layer Climatology	3	7	4.8/5.0
Autumn 2012	GEOG 8901	Interesting Topics in Climate and Climate Change Research	3	10	4.4/5.0
Spring 2013	GEOG 1900	Introduction to Weather and Climate	4	154	4.2/5.0
Spring 2013	GEOG 1900H	Introduction to Weather and Climate	4	24	4.1/5.0
Autumn 2013	GEOG 5900	Climatology	3	31	4.8/5.0

Autumn 2013	GEOG 1900H	Extreme Weather and Climate	4	24	4.6/5.0
Spring 2014	GEOG 1900	Extreme Weather and Climate	4	131	4.4/5.0
Spring 2014	GEOG 5921	Boundary Layer Climatology	3	29	4.6/5.0
Autumn 2014	GEOG 5900	Climatology	3	52	4.6/5.0
Autumn 2014	GEOG 1900H	Extreme Weather and Climate	4	25	4.6/5.0
Spring 2015	GEOG 1900	Extreme Weather and Climate	4	191	4.5/5.0
Spring 2015	GEOG 5921	Boundary Layer Climatology	3	27	4.7/5.0
Autumn 2015	GEOG 1900	Extreme Weather and Climate	4	200	4.3/5.0
Autumn 2015	GEOG 8901	Introduction to Scientific Programming	3	8	4.8/5.0
Spring 2016	GEOG 1900	Extreme Weather and Climate	4	70	4.8/5.0
Spring 2016	GEOG 5921	Boundary Layer Climatology	3	23	4.5/5.0
Autumn 2017	GEOG 1900	Extreme Weather and Climate	4	25	2.7/5.0
Autumn 2017	GEOG 8901	Tropical Climatology	3	5	5.0/5.0
Spring 2018	GEOG 1900	Extreme Weather and Climate	4	70	4.8/5.0
Autumn 2018	GEOG 5900	Climatology	3	52	4.6/5.0

Courses taught as guest lecturer:

- Geog 8109 – Graduate Student Professionalization (Autumn 2015)
- Geog 8109 – Graduate Student Professionalization (Autumn 2014)
- Geog 8109 – Graduate Student Professionalization (Autumn 2013)
- Geog 8109 – Graduate Student Professionalization (Autumn 2012)
- Statistics 656 – Applied Multivariate Analysis (Spring 2009)
- Geog 520 – Climatology (Winter 2009)
- Geog 820.01 – Climate System Modeling (Spring 2008)

## **REFEED PUBLICATIONS**

### ***Refereed Journal Articles***

- 2017 Guo, Y., T. Shinoda, **J. L. Lin**, and E.K.M. Chang: Variations of Northern Hemisphere Storm Track and Extratropical Cyclone Activity Associated with the Madden-Julian Oscillation. *J. Climate*, 30, 4799-4818.
- 2015 **Lin, J. L.**, T. Qian, T. Shinoda, and S. Li: Is the tropical atmosphere in convective quasi-equilibrium? *J. Climate*, 28, 4357–4372.
- 2014 **Lin, J. L.**, T. Qian, and T. Shinoda: Stratocumulus Clouds in Southeastern Pacific Simulated by Eight CMIP5/CFMIP Global Climate Models. *J. Climate*, 27, 3000-3022.
- 2013 Hung, M.-H., **J. L. Lin**, W. Wang, D. Kim, T. Shinoda, and S. Weaver: MJO and Convectively Coupled Equatorial Waves Simulated by CMIP5 Climate Models. *J. Climate*, 26, 6185-6214.
- 2012 Zheng, Y., **J. L. Lin**, and T. Shinoda: The equatorial Pacific cold tongue simulated by IPCC AR4 coupled GCMs: Upper ocean heat budget and feedback analysis. *J. Geophys. Res.*, 117, C05024, doi:10.1029/2011JC007746.
- 2011 Zheng, Y., T. Shinoda, **J. L. Lin**, and G. N. Kiladis: Sea Surface Temperature Biases under the Stratus Cloud Deck in the Southeast Pacific Ocean in 19 IPCC AR4 Coupled General Circulation Models. *J. Climate*, 24, 4139-4164.
- 2011 Frierson, D., D.-H. Kim, I.-S. Kang, M.-I. Lee, and **J. L. Lin**: Structure of AGCM-Simulated Convectively Coupled Kelvin Waves and Sensitivity to Convective Parameterization. *J. Atmos. Sci.*, 68, 26-45.
- 2010 **Lin, J. L.**, Toshiaki Shinoda, Taotao Qian, Weiqing Han, Paul Roundy, and Yangxing Zheng: Intraseasonal variation of precipitation over the western United States simulated by 14 IPCC AR4 coupled GCMs. *J. Climate*, 23, 3094-3119.
- 2010 Han, W., G. A. Meehl, B. Rajagopalan, J. T. Fasullo, A. Hu, **J. L. Lin**, W. Large, J.-W. Wang, X. Quan, L. L. Trenary, A. Wallcraft, S. Yeager: Indian Ocean Sea Level Rise and Global Warming. *Nature Geoscience*, 3, 546-550.
- 2010 Zheng, Y., T. Shinoda, G. N. Kiladis, **J. L. Lin**, E. J. Metzger, H. E. Hurlburt, and B. S. Giese, 2010: Upper ocean processes under stratus cloud deck in the southeast Pacific Ocean. *J. Phys. Oceanogr.*, **40**, 103-120.
- 2009 **Lin, J. L.**: Ocean-atmosphere interaction in the lifecycle of ENSO: The coupled wave oscillator. *Chinese Ann. Math.*, 30, 715-728.
- 2009 **Lin, J. L.**, Toshiaki Shinoda, Brant Liebmann, Taotao Qian, Weiqing Han, Paul Roundy, Jiayu Zhou, and Yangxing Zheng, 2009a: Intraseasonal variability associated with summer precipitation over South America simulated by 14 WRCMIP3 coupled GCMs. *Mon. Wea. Rev.*, **137**, 2931-2954.
- 2009 Shinoda, T., and **J. L. Lin**, 2009: Interannual variation of upper ocean under stratocumulus cloud decks in the southeast Pacific. *J. Climate*, **22**, 5072-5088.
- 2009 Han, W., A. Moore, J. Levin, B. Zhang, H. Arango, E. Curchister, E. Di Lorenzo, A. Gordon, and **J. L. Lin**, 2009: Seasonal ocean circulation and dynamics in the

- Philippine Archipelago region during 2004-2008. *Dyn. Atmos. Oceans*, 47, 114-137.
- 2008 **Lin, J. L.**, B. E. Mapes, and W. Han, 2008a: What are the sources of mechanical damping in Matsuno-Gill type models? *J. Climate*, 21, 165-179.
- 2008 **Lin, J. L.**, W. Q. Han, and X. Lin, 2008b: Observational analysis of wind-evaporation-SST feedback over tropical Pacific Ocean. *Atmos. Res. Lett.*, 9, 231-236.
- 2008 **Lin, J. L.**, K.M. Weickmann, G.N. Kiladis, B.E. Mapes, S.D. Schubert, M. J. Suarez, J. Bacmeister, and M.-I. Lee, 2008c: Subseasonal variability associated with Asian summer monsoon simulated by 14 IPCC AR4 coupled GCMs. *J. Climate*, 21, 4541-4567.
- 2008 **Lin, J. L.**, B.E. Mapes, K.M. Weickmann, G.N. Kiladis, S.D. Schubert, M. J. Suarez, J. Bacmeister, and M.-I. Lee, 2008d: North American monsoon and convectively coupled equatorial waves simulated by IPCC AR4 coupled GCMs. *J. Climate*, 21, 2919-2937.
- 2008 **Lin, J. L.**, M.-I. Lee, D. Kim, I.-S. Kang, and D. M. W. Frierson, 2008e: Impact of convective parameterization and moisture triggering on GCM-simulated convectively coupled equatorial waves. *J. Climate*, 21, 883-909.
- 2008 Han, W. Q., P.J. Webster, **J. L. Lin**, W.T. Liu, R. Fu, D.L. Yuan, and A. Hu, 2008: Dynamics of intraseasonal sea level and thermocline variability in the equatorial Atlantic during 2002-2003. *J. Phys. Oceanogr.*, 38, 945-967.
- 2007 **Lin, J. L.**, D. Kim, M.-I. Lee, and I.-S. Kang, 2007: Effects of cloud-radiative heating on AGCM simulations of convectively coupled equatorial waves. *J. Geophys. Res.*, 112, D24107, doi:10.1029/2006JD008291.
- 2007 **Lin, J. L.**: The double-ITCZ problem in IPCC AR4 coupled GCMs: Ocean-atmosphere feedback analysis. *J. Climate*, 20, 4497-4525.
- 2007 **Lin, J. L.**: Interdecadal variability of ENSO in 21 IPCC AR4 coupled GCMs. *Geophys. Res. Lett.*, 34, L12702, doi:10.1029/2006GL028937.
- 2006 Mapes, B.E., S. Tulich, **J. L. Lin**, and P. Zuidema, 2006: Mesoscale convection life cycle: Building block or prototype for large-scale tropical waves? *Dyn. Atmos. Oceans*, 42, 3-29.
- 2006 Zuidema, P., B. E. Mapes, **J. L. Lin**, and C. Fairall, 2006: The interaction of clouds and dry air in the eastern tropical Pacific. *J. Climate*, 19, 4531-4544.
- 2006 **Lin, J. L.**, G.N. Kiladis, B.E. Mapes, K.M. Weickmann, K.R. Sperber, W.Y. Lin, M. Wheeler, S.D. Schubert, A. Del Genio, L.J. Donner, S. Emori, J.-F. Gueremy, F. Hourdin, P.J. Rasch, E. Roeckner, and J.F. Scinocca: Tropical intraseasonal variability in 14 IPCC AR4 climate models. Part I: Convective signals. *J. Climate*, 19, 2665-2690.
- 2006 Han, W. Q., W. T. Liu, and **J. Lin**, 2006: Impact of atmospheric submonthly oscillations on sea surface temperature of the tropical Indian Ocean. *Geophys. Res. Lett.*, 33, L03609, doi:10.1029/2005GL025082.

- 2005 **Lin, J. L.**, M. H. Zhang, and B. E. Mapes, 2005: Zonal momentum budget of the Madden-Julian Oscillation: The sources and strength of equivalent linear damping. *J. Atmos. Sci.*, 62, 2172-2188.
- 2005 Mapes, B.E., and **J. L. Lin**, 2005: Doppler radar observations of mesoscale wind divergence in regions of tropical convection. *Mon. Wea. Rev.*, 133, 1808-1824.
- 2004 **Lin, J. L.**, and B. E. Mapes, 2004a: Radiation budget of the tropical intraseasonal oscillation. *J. Atmos. Sci.*, 61, 2050-2062.
- 2004 **Lin, J. L.**, and B. E. Mapes, 2004b: Wind shear effect on cloud-radiation feedback in the western Pacific warm pool. *Geophys. Res. Lett.*, 31, L16118, 10.1029/2004GL020199..
- 2004 **Lin, J. L.**, B. E. Mapes, M. H. Zhang and M. Newman, 2004: Stratiform precipitation, vertical heating profiles, and the Madden-Julian Oscillation. *J. Atmos. Sci.*, 61, 296-309.
- 2001 Zhang, M. H., **J. L. Lin**, R. T. Cederwall, J. J. Yio, S. C. Xie, 2001: Objective Analysis of ARM IOP Data: Method and Sensitivity. *Mon. Wea. Rev.*, 129, 295-311.
- 1997 Zhang, M. H., and **J. L. Lin**, 1997: Constrained variational analysis of sounding data based on column-integrated budgets of mass, heat, moisture, and momentum: Approach and application to ARM measurements. *J. Atmos. Sci.*, 54, 1503-1524.

#### In Preparation

- 2018 **Lin, J. L.**, and T. Qian: What Cause the Come and Go of Global Warming Trend? *Science*, to be submitted.
- 2018 **Lin, J. L.**, and T. Qian: Evolution of the Global Climate System Since the Earth Was Born. *Nature*, in preparation.
- 2018 **Lin, J. L.**, and T. Qian: Gravitational Force and the Earth System. *Science*, in preparation.
- 2018 **Lin, J. L.**, and T. Qian: Global climatology of Atmospheric Rivers. *Nature Geoscience*, in preparation.
- 2018 Qian, T. and **J. L. Lin**: Scale-interaction among Atmospheric Rivers, mid-latitude cyclones, and planetary waves. *J. Climate*, in preparation.
- 2018 Stuckman, S., and **J. L. Lin**: The global 3-D structure of Atlantic Multi-decadal Oscillation. Part I: The extreme phases. *J. Geophys. Res.*, in preparation.

#### PRESENTATIONS AT PROFESSIONAL CONFERENCES

[\* indicates undergraduate student co-authorship]

- 2014 Lin, J. L., T. Qian, and T. Shinoda: Stratocumulus Clouds in Southeastern Pacific Simulated by Eight CMIP5/CFMIP Global Climate Models. The 2014 AGU Fall Meeting. San Francisco, December 2014.



- 2014 Lin, J. L., T. Qian, and T. Shinoda: Stratocumulus Clouds in Southeastern Pacific Simulated by Eight CMIP5/CFMIP Global Climate Models. The 7th International Scientific Conference on the Global Energy and Water Cycle. Hague, The Netherlands, 14-17 July 2014.
- 2012 Lin, J. L., T. Qian and T. Shinoda: Is the tropical atmosphere in convective quasi-equilibrium? AMS 30<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, Jacksonville, Florida, April 2012.
- 2010 Lin, J. L.: Tropical biases in IPCC AR4 climate models. Western Pacific Geophysics Meeting, Taipei, Taiwan, June 2010.
- 2010 Qian, T., and J. L. Lin: Land-atmosphere interaction in IPCC AR4 climate models. Western Pacific Geophysics Meeting, Taipei, Taiwan, June 2010.
- 2010 Hung, M.-H., and J. L. Lin: A global unified view of ENSO modulation of tropical cyclones. AGU Annual Meeting, San Francisco, December, 2010.
- 2010 Zheng, Y., T. Shinoda, J. L. Lin, and G. N. Kiladis: Sea Surface Temperature Biases under the Stratus Cloud Deck in the Southeast Pacific Ocean in 19 IPCC AR4 Coupled General Circulation Models. AMS 29<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, May 2010.
- 2010 Stuckman, S., J. L. Lin and M. Davis: The Global 3-Dimensional Structure of the Atlantic Multi-decadal Oscillation. AMS 29<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, May 2010.
- 2010 Fraza, E., J. L. Lin and S. Melaragno: The Global 3-Dimensional Structure of the Pacific Decadal Oscillation. AMS 29<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, May 2010.
- 2010 Melaragno, S., J. L. Lin and E. Fraza: The neutral phases of ENSO: Are they really neutral? AMS 29<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, May 2010.
- 2010 Davis, M., J. L. Lin, and S. Stuckman: The global warming events in the past 60 years. AMS 29<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, May 2010.
- 2010 Davis, M., J. L. Lin, T. Qian, and M.-H. Hung: Ocean-atmosphere feedback and cloud-radiation feedback in Southeastern Pacific simulated by 24 IPCC AR4 coupled GCMs. AMS 29<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, May 2010.
- 2010 Hung, M.-H., and J. L. Lin: Impacts of global warming events on tropical cyclones. AMS 29<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, May 2010.
- 2010 Hung, M.-H., and J. L. Lin: A global unified view of ENSO modulation of tropical cyclones. AMS 29<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, May 2010.
- 2010 Qian, T., D. H. Bromwich, and J. L. Lin: What controls the geographical distribution of evapotranspiration in the Amazon River Basin? AMS 29<sup>th</sup>

- Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, May 2010.
- 2009 Lin, J. L.: Tropical biases in IPCC AR4 climate models. International Conference on Multi-scale Phenomena in the Tropics, Banff, Canada, April 2009.
- 2009 Qian, T., D. H. Bromwich, and J. L. Lin: What controls the geographical distribution of evapotranspiration in the Amazon River Basin? International Conference on Multi-scale Phenomena in the Tropics, Banff, Canada, April 2009.
- 2009 Lin, J. L.: Understanding the tropical biases in IPCC AR4 climate models. International Conference on Contemporary Applied Mathematics, Shanghai, China, January 2009.
- 2008 Lin, J. L., Tropical intraseasonal variability simulated by IPCC climate models. AGU Annual Meeting, San Francisco, December, 2008.
- 2008 \*Smith, S., and J. L. Lin, Global ocean/atmosphere structure associated with South American monsoon droughts. AGU Annual Meeting, San Francisco, December, 2008.
- 2008 \*Sanborn, J., and J. L. Lin, The effects of El Nino/Southern Oscillation on the Indian monsoon droughts. AGU Annual Meeting, San Francisco, December, 2008.
- 2008 \*Smith, T., and J. L. Lin, El Nino drought and La Nina drought in African monsoon. AGU Annual Meeting, San Francisco, December, 2008.
- 2008 Lin, J. L., The Double-ICTZ Problem in IPCC AR4 Coupled GCMs: Ocean-Atmosphere Feedback Analysis. 13th Annual CCSM Workshop, Breckenridge, CO, July 2008
- 2008 Qian, T., R. D. Cess, and J. L. Lin, Cloud vertical structure and radiative heating profile during TOGA COARE. AMS 28th Conference on Hurricanes and Tropical Meteorology, Orlando, FL.
- 2008 Lin, J. L., Tropical Intraseasonal Variability Simulated by IPCC AR4 Climate Models. AMS 28th Conference on Agricultural and Forest Meteorology, Orlando, FL.
- 2008 Lin, J. L., The Double-ICTZ Problem in IPCC AR4 Coupled GCMs: Ocean-Atmosphere Feedback Analysis. AMS 28th Conference on Hurricanes and Tropical Meteorology, Orlando, FL
- 2007 Lin, J. L., North American monsoon, African monsoon, and associated intraseasonal modes simulated by IPCC AR4 GCMs. CIRES Science Meeting, Boulder, CO
- 2007 Lin, J. L., The Double-ICTZ Problem in IPCC AR4 Coupled GCMs: Ocean-Atmosphere Feedback Analysis. CIRES Science Meeting, Boulder, CO
- 2006 Lin, J. L., The MJO problem in GCMs: What are the missing physics? AMS 27th Conference on Hurricanes and Tropical Meteorology, Monterey, CA, April 2006

- 2006 Lin, J. L., Tropical intraseasonal variability in 22 IPCC, DEMETER and NCEP global models. AMS 27th Conference on Hurricanes and Tropical Meteorology, Monterey, CA, April 2006
- 2006 Zuidema, B. Mapes, J. Lin, C. Fairall, The Interaction of Clouds and Dry Air in the Eastern Tropical Pacific. AMS 27th Conference on Hurricanes and Tropical Meteorology, Monterey, CA, April 2006
- 2006 Lin, J. L., The Double-ICTZ Problem in IPCC AR4 Coupled GCMs: Ocean-Atmosphere Feedback Analysis. 31st Annual NOAA Climate Diagnostics and Prediction Workshop, Boulder, CO, October 2006.
- 2006 Lin, J. L., Interannual Coupled Equatorial Waves Associated with ENSO: The Coupled Wave Oscillator 31st Annual NOAA Climate Diagnostics and Prediction Workshop, Boulder, CO, October 2006.
- 2006 Lin, J.L., G.N. Kiladis, B.E. Mapes, K.M. Weickmann, K.R. Sperber, W.Y. Lin, M. Wheeler, M.J. Suarez, S.D. Schubert, J.T. Bacmeister, A. Del Genio, L.J. Donner, S. Emori, J.-F. Gueremy, F. Hourdin, P.J. Rasch, E. Roeckner, and J.F. Scinocca, Tropical intraseasonal variability simulated by 14 IPCC AR4 climate models. Part I: Convective signals. 31st Annual NOAA Climate Diagnostics and Prediction Workshop, Boulder, CO, October 2006.
- 2006 Lin, J. L., North American monsoon, African monsoon, and associated intraseasonal modes simulated by IPCC AR4 GCMs. 11th Annual CCSM Workshop, Breckenridge, CO, July 2006
- 2006 Lin, J.L., G.N. Kiladis, B.E. Mapes, K.M. Weickmann, K.R. Sperber, W.Y. Lin, M. Wheeler, M.J. Suarez, S.D. Schubert, J.T. Bacmeister, A. Del Genio, L.J. Donner, S. Emori, J.-F. Gueremy, F. Hourdin, P.J. Rasch, E. Roeckner, and J.F. Scinocca, Tropical intraseasonal variability simulated by 14 IPCC AR4 climate models. Part I: Convective signals. 11th Annual CCSM Workshop, Breckenridge, CO, July 2006.
- 2005 Lin, J. L., Tropical intraseasonal variability in 27 GCMs. 30th Annual NOAA Climate Diagnostics and Prediction Workshop, State College, PA, October 2005
- 2005 Lin, J.L., G.N. Kiladis, B.E. Mapes, K.M. Weickmann, K.R. Sperber, W.Y. Lin, M. Wheeler, M.J. Suarez, S.D. Schubert, J.T. Bacmeister, A. Del Genio, L.J. Donner, S. Emori, J.-F. Gueremy, F. Hourdin, P.J. Rasch, E. Roeckner, and J.F. Scinocca, Tropical intraseasonal variability simulated by 14 IPCC AR4 climate models. Part I: Convective signals. 10th Annual CCSM Workshop, Breckenridge, CO, July 2005
- 2005 Lin, J. L., and B. E. Mapes, What are the sources of mechanical damping in Matsuno–Gill type models? 10th Annual CCSM Workshop, Breckenridge, CO, July 2005
- 2005 Lin, J. L., B. E. Mapes, and K. M. Weickmann, The MJO simulation of 14 IPCC AR4 coupled climate models: Structure and feedback analysis. AMS 17th Conference on Climate Variability and Change, Boston, MA, USA, June 2005.

- 2005 Lin, J. L., and B. E. Mapes, Wind shear effects on anvil clouds: missing physics in climate models? AMS 17th Conference on Climate Variability and Change, Boston, MA, USA, June 2005.
- 2005 Lin, J. L., and B. E. Mapes, The MJO problem in GCMs: What are the missing physics? AMS 15th Conference on Atmospheric and Oceanic Fluid Dynamics, Boston, MA, June 2005.
- 2005 Lin, J. L., and B. E. Mapes, What are the sources of mechanical damping in Matsuno–Gill type models? AMS 15th Conference on Atmospheric and Oceanic Fluid Dynamics, Boston, MA, June 2005.
- 2005 Lin, J. L., B. E. Mapes, and K. Weickmann: The MJO simulation of IPCC AR4 Climate models: Structure and feedback analysis. U.S. CLIVAR Climate Model Evaluation Workshop. Honolulu, Hawaii.
- 2005 Zuidema, P., B.E. Mapes, J. L. Lin, and C. Fairall: A new look at tropical middle-troposphere clouds. U.S. Department of Energy 2005 ARM Science Team Meeting. Daytona Beach, Florida.
- 2004 Lin, J. L., B. E. Mapes: Zonal momentum budget of tropical large-scale circulations: The source and strength of mechanical damping. AMS 26th Conference on Hurricanes and Tropical Meteorology. Miami, FL.
- 2004 Lin, J. L., B. E. Mapes: Derive large-scale forcing data for CRMs and SCMs by integrating Doppler radar, sounding, TOA and surface measurements. AMS 26th Conference on Hurricanes and Tropical Meteorology. Miami, FL.
- 2004 Lin, J. L., B. E. Mapes: The MJO problem in GCMs - What are the missing physics? 9th Annual CCSM Workshop, Santa Fe, NM.
- 2004 Lin, J. L., B. E. Mapes: Wind shear effects on anvil clouds - Missing physics in climate models? 9th Annual CCSM Workshop, Santa Fe, NM.
- 2004 Zuidema, P., J. L. Lin, B.E. Mapes, and C. Fairall: A new look at tropical mid-troposphere clouds. AMS 26th Conference on Hurricanes and Tropical Meteorology. Miami, FL.
- 2004 Olson, W.S., M. Grecu, S. Yang, J. L. Lin, W.-K. Tao: Evaluation and Improvement of Satellite-Based Latent Heating Profile Estimation Methods. 2<sup>nd</sup> International TRMM Science Conference, Tokyo, Japan.
- 2003 Zuidema, P., and J. L. Lin: The 8-km altitude cloud and precipitation radar echo peak observed during EPIC. EPIC2001 Workshop, Boulder, CO, Sept. 15-16, 2003.

- 2003 Lin, J. L., and B. E. Mapes: Statistical studies of single-Doppler datasets from several tropical convective regions and seasons. Proc. 31st Conference on Radar Meteorology, Amer. Met. Soc., 5-12 August 2003, Seattle, WA.
- 2002 Lin, J. L., M. H. Zhang, T. Qian, R. D. Cess, B. E. Mapes, and M. Newman: Wave-Convection-Radiation feedback in the Madden-Julian Oscillation. AMS 25th Conference on Hurricanes and Tropical Meteorology.
- 2002 Lin, J. L., M. H. Zhang, and B. E. Mapes: Does the tropical atmosphere support large-scale radiative-convective overturning? AMS 25th Conference on Hurricanes and Tropical Meteorology.
- 2002 Lin, J. L., B. E. Mapes, and M. H. Zhang: Contribution of stratiform precipitation to vertical heating profile in the Madden-Julian Oscillation. TRMM International Science Conference, 22-26 July 2002, Honolulu, Hawaii.
- 2002 Mapes, B. E. and J. L. Lin: Relationships between radar echo parameters and divergence profiles in tropical convection. TRMM International Science Conference, 22-26 July 2002, Honolulu, Hawaii.
- 1999 Zhang, M. H., and J. L. Lin: Synthesizing TOGA COARE measurements in the atmosphere, at the surface, and at TOA. COARE-98. Proc. Conf. on the TOGA Coupled Ocean-Atmosphere Response Experiment (COARE). Boulder, CO, 7-14 July 1998. WMO/TD 940, 309-310.
- 1997 Lin, J. L., and M. H. Zhang: Vertical structure of the Madden-Julian Oscillation events during TOGA COARE. Proc. 22nd Conference on Hurricanes and Tropical Meteorology. Amer. Met. Soc., 19-23, May 1997, Ft. Collins, CO, 602-604.

## **INVITED SEMINARS**

Invited Seminar, Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China, 2011

Invited Seminar, Department of Atmospheric and Oceanic Sciences, Peking University, Beijing, China, 2010

Invited Seminar, Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China, 2010

Invited Seminar, School of Atmospheric Sciences, Nanjing University, Nanjing, China, 2010

Invited Seminar, Department of Atmospheric Sciences, Chinese Culture University, Taipei, Taiwan, 2010

Invited Talk, BIRS Workshop on Multiscale Processes in Tropics, Banff, AB, Canada, 2009

Invited Talk, International Conference on Contemporary Applied Mathematics, Shanghai, China, 2009

Invited Talk, International Workshop on Climate Risks, Tokyo, Japan, 2008

Invited Attendee, NASA Pre-IPCC AR5 Workshop, New York, 2008

Invited Talk, NCAR CCSM AMWG Meeting, 2007.

Invited Seminar, Center for Ocean-Land-Atmosphere Studies, 2006.

Invited Lecture, NCAR Workshop on Multiscale Phenomena in the Tropics, 2005.

Invited Seminar, NASA Goddard Space Flight Center (GSFC) Global Modeling and Assimilation Office (GMAO), 2004.

## **OTHER SEMINAR PRESENTATIONS**

2006 National Center for Atmospheric Research (NCAR), November 2006

2006 University of Colorado, Department of Atmospheric and Oceanic Sciences, November 2006

2006 NASA Goddard Space Flight Center (GSFC) Global Modeling and Assimilation Office (GMAO), October 2006

2006 NCEP Environmental Modeling Center (EMC), October 2006

2006 NOAA ESRL Physical Science Division (PSD), October 2006

2005 NCAR Workshop on Multiscale Phenomena in the Tropics, Boulder, Colorado.

2005 NCAR Workshop on Multi-scale Phenomena in the Tropics, September 2005

2005 NCEP Climate Prediction Center (CPC), September 2005

2005 NOAA Geophysical Fluid Dynamics Laboratory (GFDL), June 2005

2005 NCEP Environmental Modeling Center (EMC), June 2005

- 2004 NOAA-CIRES Climate Diagnostics Center (CDC), December 2004  
2004 National Center for Atmospheric Research (NCAR), December 2004  
2002 NOAA-CIRES Climate Diagnostics Center (CDC), November 2002  
2001 NOAA-CIRES Climate Diagnostics Center (CDC), August 2001

### **FUNDED RESEARCH PROPOSALS**

Title: Moisture budget and air-sea interaction associated with Atmospheric Rivers in the northeast Pacific: Observations and climate model simulations

Agency: NSF

PI: Toshiaki Shinoda, Co-PI: Jialin Lin

Amount: Total \$513,479, with \$231,325 for Co-PI Lin

Period: May 2014-April 2017

Title: Understanding air-sea coupled processes in the southeast Pacific.

Funding agency: NOAA CPO

PI: Toshiaki Shinoda, Co-PI: Jialin Lin

Total \$300,000, \$200,000 for co-PI Lin

August 2010-July 2013

Title: Collaborative Research: Structure and Mechanisms of CGCMs' Systematic Biases in Southeast Pacific

Funding agency: NSF

PI: Lin, Co-PI: Toshiaki Shinoda

Total \$298,000, \$179,151 for PI Lin

April 2008 – March 2012

Title: Simulating and Predicting Sub-seasonal and Longer-Term Changes in Tropical Storm Characteristics using High Resolution Climate Models.

Funding agency: NASA (MAP).

PI: Schubert, Co-I: Lin and 6 others

April 2009-March 2013

\$163,036 for Co-I Lin

Title: Pathways to predictability on sub-seasonal time scales: Assessing the role of tropical forcing and land surface conditions

Funding agency: NASA MAP Program

PI: Siegfried Schubert (NASA), Co-PIs: Jialin Lin and 8 others

\$85,000 for Lin

May 2006-April 2009

Title: Moist physics development for GEOS-5 using single column models with parameterized dynamics

Funding agency: NASA MAP Program

PI: Julio Bacmeister (NASA), Co-PIs: Jialin Lin, Brian Mapes, and Adam Sobel  
\$60,000 for Lin  
July 2006-June 2009

Title: Improving the MJO simulation of the NCEP GFS model  
Funding agency: NOAA CPO/CVP Program  
PI: Jialin Lin, Co-PI: Brian Mapes  
\$159,000  
May 2005-April 2007

Title: Tropical intraseasonal variability in GFDL GCM  
Funding agency: NOAA GFDL  
PI: Jialin Lin  
\$14,000  
July 2004 - June 2005

Title: Intraseasonal variability: Structure and feedback analysis  
Funding agency: U.S. CLIVAR Climate Model Evaluation Project (CMEP) through NOAA CPO  
PI: Jialin Lin, Co-PIs: Brian Mapes, Klaus Weickmann  
\$25,000  
July 2004 – June 2005

### **OTHER GRANTS**

VOCALS: Understanding the Impacts of Stratocumulus Clouds on CCSM's ENSO Simulations  
National Center for Atmospheric Research (NCAR)  
PI: Lin, Co-PI: Toshiaki Shinoda  
50,000 GAUs of NCAR Supercomputer Resources  
October 2008 – September 2011

SBS International Travel Grant  
\$2,000  
January 2009



**QUALITY INDICATORS OF RESEARCH, SCHOLARLY, OR CREATIVE WORK**

**Summary of Citation Count, by Article, Year, and Authorship Status**  
**(Source of citation data: ISI)**

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015/6	Tot
<b>Solo and First Authored Articles</b>													
Lin et al. 2015 – Journal of Climate												1	<b>1</b>
Lin et al. 2014 – Journal of Climate											2	2	<b>4</b>
Lin et al. 2010 – Journal of Climate								1	1	0	0	1	<b>3</b>
Lin 2009 – Chinese Ann. Math.						0	0	0	0	1	1	1	<b>3</b>
Lin et al. 2009 – Monthly Weather Review						0	0	1	1	0	1	0	<b>3</b>
Lin et al. 2008 – Atmospheric Science Letters					0	0	0	1	2	2	2	0	<b>7</b>
Lin et al. 2008 – Journal of Climate					1	2	4	5	10	14	10	3	<b>49</b>
Lin et al. 2008 – Journal of Climate					2	3	1	2	8	2	4	2	<b>24</b>
Lin et al. 2008 – Journal of Climate					6	8	4	8	11	13	7	6	<b>62</b>
Lin et al. 2008 – Journal of Climate					0	2	3	0	1	2	1	2	<b>12</b>
Lin et al. 2007 - Journal of Geophysical Research				0	1	0	0	1	0	3	2	2	<b>9</b>
Lin 2007 – Journal of Climate					10	23	24	26	37	45	38	42	<b>24</b>

Lin 2007 - Geophysical Research Letters				0	3	7	2	5	7	6	6	5	4
Lin et al. 2006 – Journal of Climate			6	27	41	52	36	50	53	67	42	51	42
Lin et al. 2005 - Journal of the Atmospheric Sciences		1	4	2	7	2	5	0	7	7	4	4	44
Lin and Mapes 2004 – Geophysical Research Letters	0	1	1	2	0	0	1	0	1	0	1	2	9
Lin and Mapes 2004 - Journal of the Atmospheric Sciences	2	2	2	1	4	2	2	5	3	3	4	9	42
Lin et al. 2004 - Journal of the Atmospheric Sciences	3	6	7	6	12	18	9	18	18	17	8	20	14
<b>Subtotal</b>	<b>5</b>	<b>10</b>	<b>20</b>	<b>37</b>	<b>82</b>	<b>120</b>	<b>85</b>	<b>115</b>	<b>146</b>	<b>164</b>			<b>112</b>

<b>Co-Authored Articles</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015 2016</b>	<b>Tot</b>
Hung et al. 2013 – Journal of Climate										4	7	41	52
Zheng et al. 2012 – Journal of Geophysical Research										4	4	6	14
Zheng et al. 2011 – Journal of Climate									4	4	7	7	22
Frierson et al. 2011 – Journal of the Atmospheric Sciences								4	2	7	8	2	23

Han et al. 2010 – Nature Geoscience							2	10	10	17	11	11	<b>61</b>
Zheng et al. 2010 – Journal of Physical Oceanography							1	2	2	5	2	1	<b>13</b>
Shinoda and Lin 2009 – Journal of Climate					0	2	1	0	1	3	0	7	<b>7</b>
Han et al. 2009 – Dynamics of Atmospheres and Oceans				0	1	3	6	2	5	5	2	24	<b>24</b>
Han et al. 2008 – Journal of Physical Oceanography				3	4	2	2	7	3	4	3	28	<b>28</b>
Mapes et al. 2006 – Dynamics of Atmospheres and Oceans			0	5	17	12	13	10	19	20	16	23	<b>13:</b>
Zuidema et al. 2006 – Journal of Climate			1	2	5	4	2	0	3	1	0	0	<b>20</b>
Han et al. 2006 – Geophysical Research Letters			1	3	1	3	2	2	2	3	1	3	<b>20</b>
Mapes and Lin 2005 – Monthly Weather Review		1	4	3	1	3	1	4	3	0	3	3	<b>26</b>
Zhang et al. 2001 - Monthly Weather Review	7	14	6	10	10	11	10	5	4	4	6	14	<b>11'</b>

Zhang and Lin 1997 - Journal of the Atmospheric Sciences	16	13	10	13	11	6	6	6	5	12	7	21	15
<b>Subtotal</b>													72
<b>Total</b>	<b>28</b>	<b>40</b>	<b>42</b>	<b>74</b>	<b>136</b>	<b>167</b>	<b>138</b>	<b>175</b>	<b>223</b>	<b>272</b>	<b>207</b>		<b>184</b>
<b>Total without self-citation</b>													<b>177</b>

**Google Scholar Citations (Peer-reviewed publications only)**

Citations **3302**

h-index **24**

i10-index **28**

**Google Scholar URL:**

[http://scholar.google.com/citations?hl=en&user=k071644AAAAJ&view\\_op=list\\_works](http://scholar.google.com/citations?hl=en&user=k071644AAAAJ&view_op=list_works)

## ISI Journal Citation Indices

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>Solo &amp; First-authored/</b>													
Journal of Climate (9 papers)	3.302	3.250	3.617	3.500	3.402	3.419	3.550	4.307	3.363	3.513	4.097	4.362	4.904
Geophysical Research Letters (2 papers)	2.516	2.150	2.422	2.378	2.491	2.602	2.744	2.959	3.204	3.505	3.792	3.982	4.456
Monthly Weather Review (1 paper)	1.769	1.886	2.179	1.859	2.003	1.927	2.267	2.358	2.238	2.348	2.600	2.758	3.616
Journal of Geophysical Research (1 paper)	2.609	2.245	2.992	2.839	2.784	2.800	2.953	3.147	3.082	3.303	3.021	3.174	3.440
Journal of the Atmospheric Sciences (3 papers)	2.122	1.779	2.641	2.954	2.078	2.163	2.755	2.989	2.911	2.600	2.555	2.672	3.036
Atmospheric Science Letters (1 paper)												1.750	1.876
Chinese Ann Math B (1 paper)												0.504	0.316
<b>Co-authored</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Nature Geoscience (1 paper)									8.108	10.392	11.754	12.367	11.661
Journal of Climate (4 papers)	3.302	3.250	3.617	3.500	3.402	3.419	3.550	4.307	3.363	3.513	4.097	4.362	4.904
Geophysical Research Letters (1 paper)	2.516	2.150	2.422	2.378	2.491	2.602	2.744	2.959	3.204	3.505	3.792	3.982	4.456
Monthly Weather Review	1.769	1.886	2.179	1.859	2.003	1.927	2.267						

2 papers)							2.358	2.238	2.348	2.600	2.758	3.616	
ournal of eophysical esearch 1 paper)	2.609	2.245	2.992	2.839	2.784	2.800	2.953	3.147	3.082	3.303	3.021	3.174	3.440
ournal of the Atmospheric ciences 2 papers)	2.122	1.779	2.641	2.954	2.078	2.163	2.755	2.989	2.911	2.600	2.555	2.672	3.036
ournal of hysical ceanography 2 papers)	2.148	1.893	2.209	2.380	2.100	1.838	2.185	2.375	2.382	2.481	2.345	3.179	2.871
ynamics of Atmospheres nd Oceans 2 papers)	1.208	0.932	0.732	1.116	0.917	0.925	1.300	1.970	1.788	2.674	1.565	1.734	1.581

## **PROFESSIONAL SERVICES**

### **Panels or Committees**

#### ***International***

2010-2013 Intergovernmental Panel on Climate Change (IPCC) Working Group I,  
Invited Expert Reviewer

#### ***National***

2013 NASA Modeling, Analysis and Prediction Program Review Panel, Panelist

2012 NOAA Climate Model Intercomparison Project Phase 5 (CMIP5) Task Force,  
Member

2012 U.S. Department of Energy (DOE) Atmospheric System Research Program  
Review Panel, Panelist

2002 American Meteorological Society Max A. Eaton Prize Committee, Member

#### ***State-wide***

2013-Now Ohio Board of Regents Ohio Transfer Module (OTM), Member

2013-Now Ohio Board of Regents OTM Social Science Faculty Panel, Member

#### ***University-level***

2014-Now University-Level Advisory Committee for General Education (ULAC-GE),  
Member

2008-2009 University Council on Student Affairs (CSA), Member

2008-2009 University CSA Allocation Subcommittee, Member

#### ***College-level***

2015-Now OSU Colleges of Arts and Sciences Senate, Alternate

2014-2016 OSU Colleges of Arts and Sciences Curriculum Committee (ASCC)  
Assessment Panel, Member

2012-2014 OSU Colleges of Arts and Sciences Curriculum Committee (ASCC) SBS  
Panel, Member

2012-2016 OSU Colleges of Arts and Sciences Curriculum Committee (ASCC),  
Member

2010-2013 OSU Colleges of Arts and Sciences Senate, Member

***Byrd Polar Research Center***

2011 OSU BPRC Rick Toracinta Graduate Scholarship Committee, Member

2010 OSU BPRC Rick Toracinta Graduate Scholarship Committee, Member

2008 OSU BPRC Rick Toracinta Graduate Scholarship Committee, Member

***Department of Geography***

2015-2016 Department of Geography Executive Committee, Member (Elected)

2014-Now Department of Geography GTA Coordinator

2012-2014 Department of Geography Undergraduate Studies Committee, Member

**External Reviewer for Promotion**

2008 University of California, San Diego

2007 University of Maryland, Baltimore County

**Reviewer for Grant Proposals**

- *NSF Climate and Large-scale Dynamics*
- *NSF Physical Oceanography*
- *U.S. Department of Energy (DOE) Atmospheric Radiation Measurement (ARM) Program*
- *U.S. Department of Energy (DOE) Atmospheric System Research (ASR) Program*
- *NASA Modeling, Analysis and Prediction (MAP) Program*
- *NOAA Climate Program Office (CPO)*
- *United Kingdom Natural Environmental Research Council*



- *State Key Laboratory of Numerical Modeling for Atmospheric Sciences and Geophysical Fluid Dynamics (LASG), Chinese National Academy of Sciences*
- *Ohio Supercomputer Center*

### **Reviewer for Journals**

- *Proceedings of the National Academy of Sciences*
- *Journal of Climate*
- *Monthly Weather Review*
- *Journal of the Atmospheric Sciences*
- *Journal of Applied Meteorology*
- *Journal of Geophysical Research*
- *Geophysical Research Letters*
- *Climate Dynamics*
- *Quarterly Journal of the Royal Meteorological Society*
- *International Journal of Climatology*
- *Journal of the Meteorological Society of Japan*
- *Journal of Atmospheric and Solar-Terrestrial Physics*
- *Journal of Earth Science and Climatic Change*
- *Atmospheric Research*
- *Dynamics of the Atmosphere and Oceans*
- *Terrestrial, Atmospheric, & Oceanic Sciences*
- *Atmospheric Science Letters*
- *Climate*
- *Atmosphere-Ocean*
- *Remote Sensing*
- *The Professional Geographer*
- *Scientific Online Letters on the Atmosphere*

### **Reviewer for Books**

- *Climate Dynamics (AGU Monograph)*

- *Intraseasonal Variability in the Atmosphere-Ocean Climate System* (Springer Praxis Books)

### **PROFESSIONAL MEMBERSHIPS**

American Meteorological Society

American Geophysical Union

### **STUDENT AFFAIRS COMMITTEES, TASK FORCES AND OTHER STUDENT SERVICES**

- OSU Solar Decathlon Team, Faculty Advisor
- OSU 28<sup>th</sup> Annual Edward Hayes Research Forum, Faculty Judge
- OSU 27<sup>th</sup> Annual Edward Hayes Research Forum, Faculty Judge
- OSU Denman Undergraduate Research Forum, Faculty Judge
- OSU 22nd Annual Edward Hayes Research Forum, Faculty Judge
- 2012 Geography Bowl, Faculty Judge

### **OUTREACH ACTIVITIES**

- 2014 Invited talk at OSU Morrill Tower Faculty Program, on Global Climate Change
- 2008 Interviewed by high school student Mr. Dan Samide from Hudson High School, Ohio, on Global Climate Change and Tropical Climate