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### **Experience**

Associate Scholar Scientist 8/06 – present  
COAPS, The Florida State University, Tallahassee, FL

Assistant Scholar Scientist 9/03 – 8/06  
COAPS, The Florida State University, Tallahassee, FL

Research Associate 2/97 -8/03  
COAPS and the Department of Meteorology, The Florida State University, Tallahassee, FL

Navy Research Fellow 12/92 - 12/96  
Department of Meteorology, The Florida State University, Tallahassee, FL

### **Peer-Review Publications**

**LaRow, T. E.**, L. Stefanova, D. W. Shin and S. Cocke, 2009: Seasonal Atlantic Tropical Cyclone Hindcasting/Forecasting using Two Sea Surface Temperature Datasets. Accepted in *Geophys. Res. Lett.*

Shin, D. W., G. Baiggoria, Y.-K. Lim, S. Cocke, **T. E. LaRow**, J. J. O'Brien, and J. W. Jones, 2009: Assessing maize and peanut yield simulations with various climate data in the southeast US. Accepted in *J. Appl., Meteor. Climatol.*

Lim, Y.-K., S. Cocke, D. W. Shin, J. T. Schoof, **T. E. LaRow**, and J. J. O'Brien, 2009: Downscaling large-scale NCEP CFS to resolve the fine-scale seasonal precipitation and extremes for the crop growing seasons over the southeastern United States. *Clim. Dyn.*, doi:10.1007/s00382-009-0671-z.

Schoof, J. T., D. W. Shin, S. Cocke, **T. E. LaRow**, Y.-K. Lim, and J. J. O'Brien, 2009: Dynamically and statistically downscaled seasonal temperature and precipitation hindcast ensembles for the southeastern USA. *Int. J. Climatol.* **29**, 243-257, doi:10.1002/joc. 1717

**LaRow, T. E.**, Y. -K. Lim, D. W. Shin, E. Chassignet and S. Cocke, 2008: Atlantic Basin

- Seasonal Hurricane Simulations. *J. Climate*, **21**, 3191–3206.
- Shin, D. W., S. Cocke, and **T. E. LaRow**, 2007: Diurnal cycle of precipitation in a climate model. *J. Geophys. Res.*, doi:10.1029/2006JD008333.
- Cocke, S., **T. E. LaRow** and D. W. Shin, 2007: Seasonal rainfall predictions over the southeast United States using the Florida State University nested regional spectral model. *J. Geophys. Res.*, **112**, D04106, doi:10.1029/2006JD007535.
- Lim, Y.-K., D. W. Shin, S. Cocke, **T. LaRow**, J. Schoof, J. J. O'Brien, and E. Chassignet, 2007: Dynamically and statistically downscaled seasonal simulations of maximum surface air temperature over the southeast United States. *J. Geophys. Res.*, (in press).
- Shin, D. W., J. G. Bellow, **T. E. LaRow**, S. Cocke, and J. J. O'Brien, 2006: The role of an advanced land model in seasonal dynamical downscaling for crop model application. *J. Appl. Meteor. & Climatology*, **45**, 686-701.
- Boisserie, M., D. W. Shin, **T. E. LaRow**, and S. Cocke, 2006: Evaluation of soil moisture in the Florida State University climate model-National Center for Atmospheric Research community land model (FSU-CLM) using two reanalyses (R2 and ERA40) and in situ observations. *J. Geophys. Res.*, **111**, D08103, doi:10.1029/2005JD006446.
- LaRow, T. E.** and S. Cocke, 2005: Multi-Convective Parameterization as a Multi-Model Proxy for Seasonal Climate Studies. *J. Climate*, **18**, 2963-2978.
- Shin, D.W., S. Cocke, **T.E. LaRow**, and J. J. O'Brien, 2005: Seasonal Surface Air Temperature and Precipitation in the FSU Climate Model Coupled to the CLM2. *J. Climate*. **18**, 3217-3228.
- Shin, D.W., **T. E. LaRow** and Steve Cocke 2003: Convective scheme and resolution impacts on seasonal precipitation forecasts. *Geophys. Res. Lett.*, **30**, 2078-2082.
- Shin, D.W., Steve Cocke and **T. E. LaRow** 2003: Ensemble Configurations for Typhoon Precipitation Forecasts. *J. Meteor. Soc. Japan*, **81**, 679-696.
- Roads, J.O., S.-C. Chen, S. Cocke, L. Druyan, M. Fulakeza, **T. LaRow**, P. Lonergan, J. Qian and S. Zebiak, 2003: The IRI/ARCs Regional Model Intercomparison Over Brazil. *J. Geophys. Res.*, **108** (D14), pp. 4425. doi: 10.1029/2002JD003201.
- Cocke, S. D. and **T. E. LaRow**, 2000: Seasonal Prediction using a Regional Spectral Model embedded within a Coupled Ocean-Atmosphere Model. *Mon. Wea. Rev.*, **128**, 689-708.
- Krishnamurti, T. N., C. M. Kishtawal, Z. Zhang, **T. E. LaRow**, D. Bachiochi, C.E. Williford, S. Gadgil and S. Surendran, 2000: Multimodel Ensemble Forecasts for Weather and Seasonal Climate. *J. Climate*, **13**, 4196-4216.
- Krishnamurti, T. N., D. Bachiochi, **T. E. LaRow**, B. Jha, M. Tewari, D. Chakraborty, R. Correa-Torres and D. Oosterhof, 2000: Coupled Atmosphere Ocean Modeling of the El Niño of 1997-98. *J. Climate*, **13**, 2428-2459.
- Krishnamurti, T. N., C. M. Kishtawal, **T. E. LaRow**, D. Bachiochi, Z. Zhang, C. Williford, S. Gadgil and S. Surendran 1999: Improved Skill for Weather and Seasonal Climate Forecasts from Multi-Model Super Ensemble. *Science*, **285**,

**LaRow, T. E.** and T. N. Krishnamurti, 1998: Initial Conditions and ENSO Predictability using a Coupled Ocean-Atmosphere Model. *Tellus*, **50A**, 76-94.

### **Non-Peer Review**

Shin, D. W., S. Cocke, T. E. LaRow, and Y.-K. Lim, 2007: Climate model capability in resolving diurnal cycle of rainfall. *Research Activities in Atmospheric and Ocean Modeling*, CAS/JSC Working Group on Numerical Experimentation. 4-xx. (<http://www.cmc.ec.gc.ca/rpn/wgne/>)

LaRow, T. E., Y.-K. Lim, D. W. Shin, S. D. Cocke, and E. Chassignet, 2007: High resolution ensemble west Atlantic basin seasonal hurricane simulations. *Research Activities in Atmospheric and Ocean Modeling*, CAS/JSC Working Group on Numerical Experimentation. 6-xx. (<http://www.cmc.ec.gc.ca/rpn/wgne/>)

Lim, Y.-K., D. W. Shin, T. E. LaRow, and S. Cocke, 2007: Categorical predictability of regionalized surface temperature and precipitation over the southeast United States. *Research Activities in Atmospheric and Ocean Modeling*, CAS/JSC Working Group on Numerical Experimentation. 7-xx. (<http://www.cmc.ec.gc.ca/rpn/wgne/>)

Shin, D. W., J. G. Bellow, S. Cocke, T. E. LaRow, and J. J. O'Brien, 2006: Seasonal dynamical downscaling for crop yield estimation. *Research Activities in Atmospheric and Ocean Modeling*, CAS/JSC Working Group on Numerical Experimentation. 7-25. (<http://www.cmc.ec.gc.ca/rpn/wgne/>)

Bai, X., S. Cocke, T. E. LaRow, J. J. O'Brien, and D. W. Shin, 2006: Paradox of SST and lower tropospheric temperature trends over the tropical Pacific ocean. *Research Activities in Atmospheric and Ocean Modeling*, CAS/JSC Working Group on Numerical Experimentation. 2-03. (<http://www.cmc.ec.gc.ca/rpn/wgne/>)

Lim, Y.-K., T. E. LaRow, J. J. O'Brien, and D. W. Shin, 2006: Statistical downscaling of the FSUGSM temperature over the southeast United States. *Research Activities in Atmospheric and Ocean Modeling*, CAS/JSC Working Group on Numerical Experimentation. 5-33. (<http://www.cmc.ec.gc.ca/rpn/wgne/>)

LaRow, T. E. and S. Cocke, 2004: Methods for Multi-Model Proxies for Climate Studies. CLIVAR Exchanges Newsletter Spring 2004.

Cocke, S. D. and T. E. LaRow, 1999: Seasonal Predictions of ENSO Impacts using a Nested Regional Spectral Model. *Research Activities in Atmospheric and Oceanic Modelling*. Ed. H. Ritchie. WMO/TD-No 942.

LaRow, T. E. and S. D. Cocke, 1999: Simulation of the 1997/98 and 1991/92 ENSO event using a Coupled Ocean-Atmosphere Regional Spectral Model. *Research Activities in Atmospheric and Oceanic Modelling*. Ed. H. Ritchie. WMO/TD-No 942.

Podesta, G, J. Hansen, J.W. Jones, C. Kiker, T. E. LaRow, D. Legler, D. Letson, J.J. O'Brien and F. Royce, 1999: An end-to-end Framework for the Effective Application of ENSO Related Climate Forecasts in the Agricultural Sector of Argentina. 79th AMS Annual Meeting. Dallas, TX.

## **Education**

Doctor of Philosophy, Synoptic Meteorology. 4/97  
The Florida State University  
Thesis Advisor: Tiruvalam N. Krishnamurti

Doctoral Dissertation Title: Seasonal Simulations using a Coupled Ocean-Atmosphere Model with Data Assimilation

Master of Science, Synoptic Meteorology. 12/92  
The Florida State University

Bachelor of Science in Meteorology w/ Minor in Math 4/89  
The Florida State University

## **Grants:**

Awarded: NOAA grant “An Applied NOAA Research Center (ARC) Regional Assessment of Interannual Climate Impacts and Support for NOAA Ocean Observations”. Funds \$1,195,000 for June 1, 2006 - May 31, 2007. Project Period June 1, 2006- May 31, 2011. **Co-PI**

Awarded: NOAA grant “Influences of the Pacific Decadal Oscillation on ENSO-Related Climate Variability”. Funds \$326,000 for July 1, 2001 - June 30, 2004. **Co-PI**

Awarded: NOAA grant “Regional Assessment of ENSO Impact in SSA & SNA to Continue as a NOAA Applied Research Center (ARC) in Support of the International Research Institute” Period: September 1, 1997 - July 31, 2001.

## **Student Advising**

Yoshie Goto, 2008, Ph.D.  
Mary Beth Engelman, 2008, Masters  
Dawn Petraitis, 2006, Masters  
Michael Phelps, 2002, Masters  
David Salapata, 2002, Masters  
Kathleen Verzone, 1999, Masters