

JAMES L. KINTER III

CONTACT INFORMATION:

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EDUCATION AND TRAINING:

Princeton University	Princeton, NJ	Mathematics	A.B.	1979
Princeton University	Princeton, NJ	Geophysical Fluid Dynamics	M.A.	1981
Princeton University	Princeton, NJ	Geophysical Fluid Dynamics	Ph.D.	1984
NASA Goddard	Greenbelt, MD	Climate Dynamics	NRC post-doc	1983-1984

RESEARCH AND PROFESSIONAL EXPERIENCE

2011-present Director, Center for Ocean-Land-Atmosphere Studies (COLA) – Fairfax, VA
2011-present Professor of Climate Dynamics – George Mason Univ., Fairfax, VA
2005-2014 Director and Senior Research Scientist – COLA, IGES, Calverton, MD
2002-2011 Assoc. Professor of Climate Dynamics – George Mason Univ., Fairfax, VA
1993-2004 Executive Director & Assoc. Research Scientist – COLA, IGES, Calverton, MD
1987-1993 Asst. Research Scientist, Asst. Director – COLA, Univ. MD, College Park, MD
1984-1987 Asst. Professor – Dept. of Meteorology, Univ. of Maryland, College Park, MD

PRODUCTS:

103 peer-reviewed articles; WoS citations: 3004 (*Google Scholar*: 5333); *h*-index: 29 (GS: 38)

Recent products:

1. Monsoon: Zhou, T., et al., 2016: GMMIP (v1.0) contribution to CMIP6: Global Monsoons Model Inter-comparison Project. *Geosci. Model Dev.*, 9, doi: 10.5194/gmd-9-3589-2016.
2. ENSO: Shukla, R., B. Huang, C.-S. Shin, and J. L. Kinter III, 2016: Predictability of ENSO. *J. Climate* (submitted). Zhu, J., A. Kumar, B. Huang, M. Balmaseda, Z.-Z. Hu, L. Marx, and J. L. Kinter III, 2015: The Role of Off-Equatorial Surface Temperature Anomalies in the 2014 El Nino Prediction. *Nature Scientific Reports*, 6, doi:10.1038/srep19677.
3. Project Athena: Kinter III, J. L., and Co-authors, 2013: Revolutionizing Climate Modeling – Project Athena: A Multi-Institutional, International Collaboration. *Bull. Amer. Meteor. Soc.*, 94, 231-245. See also Dirmeyer and Co-authors (*Climate Dyn.*, 39, 399-418); Jung and Co-authors (*J. Climate*, 25, 3155-3172); Manganello and Co-authors (*J. Climate*, 25, 3867-389); Palipane et al. (*Geophys. Res. Lett.* 40, 4893-4899); Satoh and Co-authors (*Climate Dyn.*, 39, 2185-2206).
4. Climate Change: Kumar, S., and Co-authors, 2016: 20th C temp. trends in CMIP3, CMIP5 and CESM-LE: Uncertainties, Differences and Potential Sources. *J. Geophys. Res.*, 121, 9561-9575.
5. Tropics: Manganello, J.V., and Co-authors, 2015: Seasonal Forecasts of Tropical Cyclone Activity in a High Atmospheric Resolution Coupled Prediction System. *J. Climate* doi: JCLI-D-15-0531.1.

Other significant products:

1. Kirtman, B. P., et al., 2012: Impact of Ocean Model Resolution on CCSM Climate Simulations. *J. Climate*, 39, 303-328.
2. Navarra, A., J. L. Kinter III, & J. Tribbia, 2010: Crucial Experiments in Climate Science. *Bull. Amer. Meteor. Soc.*, 91, 343-352.
3. Shukla, J., T. DelSole, M. Fennessy, J. L. Kinter III, and D. Paolino, 2006: Climate model fidelity and projections of climate change. *Geophys. Res. Lett.*, 33, doi:10.1029/2005GL025579.
4. Cornillon, P., and Co-Authors, 2009: NVO DS and the Development of OPeNDAP. *Oceanogr.*, 22(2), 116-127.
5. Doty, B. E. and J. L. Kinter III, 1995: Geophysical data analysis and visualization using GrADS. *Visualization Techniques in Space and Atmospheric Sciences*, eds. E. P. Szuszcwicz and J. H. Bredekamp (NASA, Washington, DC), 209-219.

SYNERGISTIC ACTIVITIES:

1. American Meteorological Society Council (elected; 2015-present)
2. International CLIVAR Climate of the 20th Century Project (co-chair, 1998-present)
3. National Academy of Sciences, National Research Council: Review Comm. on USGCRP Climate Science Special Report (2016-present); Review Comm. on National Science Foundation Atmospheric and Geospace Sciences Draft Goals and Objectives (2013-2014); Study Comm. *A National Strategy for Advancing Climate Modeling* (2010–2012)
4. UCAR: National Center for Atmospheric Research Blue Ribbon Panel (member, 2014); Computational and Information Systems Lab. High-Performance Computing Advisory Panel (member, 1990-2014); Community Adv. Comm. for NCEP (co-chair, 2011–present); Community Earth System Model Advisory Board (member, 2007-present)
5. NOAA: Climate Test Bed Scientific Advisory Board (2005–2015); Modeling, Analysis, Prediction and Projections (MAPP) Climate Model Development Task Force (member, 2014-present); MAPP Climate Prediction Task Force (member, 2013-2015); MAPP CMIP5 Task Force (chair, 2011-2014)

COLLABORATORS AND OTHER AFFILIATIONS IN PAST 48 MONTHS:

Collaborators and co-editors

L. Bengtsson (U Reading, UK), M. Bouma (London Sch. Med. UK), F. Carr (U Oklahoma), B. Cash (COLA), W. Collins (UC Berkeley, LBNL), T. DelSole (GMU), L. Di (GMU), P. Dirmeyer (GMU), F. Doblas-Reyes (ECMWF, UK), A. Dobson (Princeton U), B. Doty (COLA), X. Feng (TAMU), C. Folland (Hadley Centre, UK), C. Frederiksen (BOM, Australia), A. Gershunov (Scripps Inst. Oceanography), F. Giorgi (ICTP, Italy), S. Grainger (BOM, Australia), B. Gross (NOAA), C.-H. Ho (Seoul National U, South Korea), Z.-Z. Hu (NCEP), B. Huang (GMU), P. Hudson (Penn State U), K. Jin (KIAPS, South Korea), I.-S. Kang (Seoul National U, South Korea), B. Kirtman (U Miami), S. Klein (LLNL), V. Krishnamurthy (COLA), A. Kumar (NOAA NCEP), S. Kumar (NOAA), S.-J. Lin (NOAA), R. Loft (NCAR), M. Martin (ECMWF, UK), V. Misra (FSU), K. Miyakoda (Princeton U), J. Nattala (GMU), A. Navarra (CMCC, Italy), T. O'Brien (LBNL), T. Palmer (ECMWF, UK), M. Pascual (U Michigan), S. Penny (NOAA), W. Putman (NASA Goddard), K. Raeder (NCAR), D. Randall (Colorado State U), X. Rodo (U Barcelona, Spain), M.-A. Rodriguez-Arias (U Barcelona, Spain), M. Satoh (U. Tokyo, Japan), E. Schneider (GMU), J. Slingo (Met Office, UK), N. Stenseth (U Oslo, Norway), D. Stone (U Oxford, UK), D. Straus (GMU), H. Tomita (JAMSTEC, Japan), J. Tribbia (NCAR), R. Wu (Hong Kong U, China), Z. Wu (FSU), S. Yang (Sun-Yat Sen U, China), X. Yang (NOAA), K. Yelick (UC Berkeley), S.-H. Yoo (SNU, South Korea)

Graduate advisors and postdoctoral sponsors

K. Miyakoda (Princeton U), J. Shukla (George Mason U)

Thesis advisor and post-graduate-scholar sponsor (total 11):

Ph.D. students – J. Nattala (George Mason U) 2013; B. Singh (George Mason U; in progress)
Ph.D. committees – M. Ji (U. Maryland College Park) 1989; Y.-T. Hou (UMCP) 1990; B. Kirtman (UMCP) 1992; O. Reale (UMCP) 1995; A. Bamzai (GMU) 1997; L. Feudale (GMU) 2006; L. Krishnamurthy (GMU) 2012; E. Stofferahn (GMU; 2015); O. Garuba (GMU; 2015); Z. Wang (GMU; in progress)