J. David Neelin

Department of Atmospheric and Oceanic Sciences, University of California, Los Angeles
405 Hilgard Avenue, Los Angeles, CA 90095-1565 (310) 206-3734 neelin@atmos.ucla.edu
Born: October 31, 1959, Ottawa, Canada Citizenship: Canada/U.S. (dual)

Current Position

Professor, Dept. of Atmospheric and Oceanic Sciences, UC Los Angeles July 1995–present
Chair, Dept. of Atmospheric and Oceanic Sciences, UCLA 7/2010-7/2013

Doctorate: October, 1987, Princeton University, Geophysical Fluid Dynamics Program

Selected Awards

Fellow, American Association for the Advancement of Science, 2012-present
Fellow, American Geophysical Union, 2012-present
Fellow of the John Simon Guggenheim Memorial Foundation, 2007-2008
Professeur Invité, Ecole Normale Supérieure, Paris May-June 2008
Fellow, American Meteorological Society, 2003; Fellow, Royal Meteorological Society, 2003
NSF Special Creativity Award 1999-2000
C. L. Meisinger Award of the American Meteorological Society, 1996
Houghton Lectureship, Dept. of Earth, Atmospheric and Planetary Sciences, MIT, 1994–95
Presidential Young Investigator Award 1991-1996
Canadian Meteorological and Oceanographic Society Award, 1983

Selected Service/Affiliations

UCLA Center for Canadian Studies (Executive Committee member, 2011-present)
Contributing author, 5th Assessment Report of the Intergovernmental Panel on Climate Change
International Climate Variability and Predictability Study (CLIVAR) Pacific Panel, 2005-2009
Reviewer, Third and Fourth Assessment Reports of the Intergovernmental Panel on Climate Change
Canadian Meteorological and Oceanographic Society (Member)
European Geosciences Union (Life Member)

Selected Recent Publications

Book: Neelin, J. D., *Climate change and climate modeling*, Cambridge University Press, 282 pp. (2011).

106. Neelin, J. D., O. Peters, J. W.-B. Lin, K. Hales and C. E. Holloway, 2008: Rethinking convective quasi-equilibrium: observational constraints for stochastic convective schemes in climate models. *Phil. Trans. Royal Soc. A*, **366**, 25812604, doi:10.1098/rsta.2008.0056.
107. Lintner, B. R. and J. D. Neelin, 2008: Eastern margin variability of the South Pacific Convergence Zone. *Geophys. Res. Lett.*, **35**, L16701, doi:10.1029/2008GL034298.
112. Neelin, J. D., O. Peters, and K. Hales, 2009: The transition to strong convection. *J. Atmos. Sci.*, **66**, 2367-2384.
117. Neelin, J. D., B. R. Lintner, B. Tian, Q. Li, L. Zhang, P. K. Patra, M. T. Chahine, and S. N. Stechmann, Long tails in deep columns of natural and anthropogenic tropospheric tracers, *Geophys. Res. Lett.*, **37**, L05,804, 2010.
119. Neelin, J. D., Bracco, A., Luo, H., McWilliams, J. C. & Meyerson, J. E., Considerations for parameter optimization and sensitivity in climate models. *Proc. Nat. Acd. Sci.* 107, 21349‑21354 (2010).
123. Stechmann, S. & Neelin, J. D. A stochastic model for the transition to strong convection. *J. Climate* 68, 2955‑2970 (2011).
131. Neelin, J. D., Langenbrunner, B., Meyerson, J. E., Hall, A. & Berg, N., California winter precipitation change under global warming in the Coupled Model Intercomparison Project 5 ensemble. *J. Climate* 26, 6238–6256 (2013).

Publication Summary Information

Total peer-reviewed publications: over 140 journal articles, 5 book chapters, 1 textbook
H-index: 46 (Thomson ISI); or 54 (Google scholar); Papers with over 100 citations (Thomson ISI): 17