

**J. David Neelin**

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Born: October 31, 1959, Ottawa, Canada Citizenship: Canada/U.S. (dual)

**Current Position**

Professor, Dept. of Atmospheric and Oceanic Sciences and Institute of Geophysics  
and Planetary Physics, UC Los Angeles July 1995–present  
Vice-Chair, Dept. of Atmospheric and Oceanic Sciences, UCLA 1/2004-1/2008, 1/2009–present

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

**Selected Awards**

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

**Selected Service**

International Climate Variability and Predictability Study (CLIVAR) Pacific Panel, 2005-2009  
*Nature* Advisory Panel, 2008-2009  
Joint Policy Board for Mathematics Committee for Math Awareness Month 2009  
Associate Editor, *Journal of Climate*, 1996-2006  
Reviewer, *Third and Fourth Assessment Report of the Intergovernmental Panel on Climate Change*

**Selected Recent Publications**

92. Peters, O., and J. D. Neelin, 2006: Critical phenomena in atmospheric precipitation. *Nature Physics*, **2**, 393–396, doi:10.1038/nphys314.
98. Holloway, C. E., and J. D. Neelin, 2007: The convective cold top and quasi-equilibrium. *J. Atmos. Sci.*, **64**, 1467–1487.
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.