

## Science Speaker Biographies

TNC-UA/CLIMAS/ISPE's New Mexico Climate Change Ecology & Adaptation Workshop  
Indian Pueblo Cultural Center, Albuquerque, NM  
October 22, 2007

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**Dr. Jonathan Overpeck** is Director of the University of Arizona's Institute for the Study of Planet Earth, as well as Professor of Geosciences at the University of Arizona. Jonathan's research focuses on global change dynamics, with a major component aimed at understanding how and why key climate systems vary on timescales longer than seasons and years. Jonathan was coordinating lead author of the Paleoclimate chapter in the Intergovernmental Panel on Climate Change's (IPCC) fourth assessment report (2007).

**Dr. Craig D. Allen** is a research ecologist with the U.S. Geological Survey, and leads the Jemez Mountains Field Station based at Bandelier National Monument. He has worked as a place-based ecologist with the Department of Interior in the Jemez Mountains since 1986. Craig conducts research on the ecology and environmental history of Southwestern landscapes, and the responses of Western mountain ecosystems to climate change, including climate-induced forest dieback, runoff and erosion processes in semiarid watersheds, and ecological restoration of Southwestern forests and woodlands. He is one of the core principal investigators of the Western Mountain Initiative, an integration of research programs that study global change in mountain ecosystems of the western U.S. (<http://www.cfr.washington.edu/research.fme/wmi/>). Craig's work regarding place-based science, fire history and ecology, applied historical ecology, and restoration of Southwestern forests and woodlands is highlighted at: ([http://www.fort.usgs.gov/resources/spotlight/place/place\\_home.asp](http://www.fort.usgs.gov/resources/spotlight/place/place_home.asp)).

**Dr. Manuel Molles** is Professor Emeritus in the Department of Biology, Curator Emeritus of Arthropods in the Museum of Southwestern Biology, and full-time writer at the University of New Mexico. Research areas have included behavioral, population, community, and ecosystem ecology, biogeography, climate and hydrologic dynamics, emphasizing riverine landscapes. He is currently exploring change, over a 30-year period, in high mountain stream invertebrate communities in the Tesuque Watershed Study Area. His ongoing writing projects focus on two textbooks: *Ecology Concepts and Applications 5e* (McGraw-Hill) and *Environment: Science, Issues, and Solutions 1e* (W.H. Freeman).

### **Dr. Allen M. Solomon**

Dr Solomon is a plant ecologist and paleoecologist who has focused on the terrestrial ecology of the global carbon cycle for the past 30 years. He currently serves as the National Program Leader for Global Change Research in the U.S. Forest Service in Arlington Virginia, where he facilitates and coordinates global change research activities on carbon cycle and biodiversity issues.

Before coming to the Forest Service in 2006, he pursued terrestrial carbon cycle research as Senior Global Ecologist with the U.S. Environmental Protection Agency in Corvallis Oregon from 1992 to 2005, except for 15 months when he served as Senior Policy Analyst in the White House Office of Science and Technology Policy, advising administration personnel on global change issues. Dr Solomon has authored approximately 80 research papers and books in peer reviewed journals, as book chapters, and as published reports.

**Dr. Brian Hurd** is Associate Professor of Agricultural Economics and Agricultural Business at New Mexico State University, where he conducts research and teaches on the interactions of economies and natural resources. His primary area of research focuses on the effects and interactions of weather and climate on economic, community, and environmental systems, particularly as they relate to water and agriculture. Brian is also a co-author of a recent study entitled *Climate Change and Its Implications for New Mexico's Water Resources and Economic Opportunities*.