Biographical Sketch
Dr. Colin M. Zarzycki

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Education

Cornell University, Ithaca, NY; Earth and Atmospheric Science; B.S., 2008
University of Illinois, Urbana, IL; Civil and Environmental Engineering; M.S., 2010
University of Michigan, Ann Arbor, MI; Atmospheric, Oceanic, and Space Sciences; Ph.D., 2014

Appointments

2014–present: **Advanced Study Program (ASP) Postdoctoral Fellow**, National Center for Atmospheric Research, Boulder, CO

2014: **Postdoctoral Researcher**, University of Michigan, Ann Arbor, MI

Recent publications

1. **Colin M. Zarzycki**, Christiane Jablonowski, Diana R. Thatcher, Mark A. Taylor (2015), "Effects of localized grid refinement on general circulation and climatology in the Community Atmosphere Model." *J. Clim*, in press.
2. Kevin J.E. Walsh, [...], **Colin M. Zarzycki**, *et al.*, (2014), "Hurricanes and climate: the U.S. CLIVAR working group on hurricanes." *B. Am. Meteorol. Soc.*, in press. doi:10.1175/BAMS-D-13-00242.1.
3. **Colin M. Zarzycki**, Christiane Jablonowski (2014), "A multidecadal simulation of Atlantic tropical cyclones using a variable-resolution global atmospheric general circulation model." *J. Adv. Model. Earth Syst.*, **6**(3), 805–828, doi:10.1002/2014MS000352.
4. **Colin M. Zarzycki**, Michael N. Levy, Christiane Jablonowski, Mark A. Taylor, James Overfelt, Paul A. Ullrich (2014), "Aquaplanet experiments using CAM's variable-resolution dynamical core." *J. Clim.*, **27**(14), 5481–5503, doi:10.1175/JCLI-D-14-00004.1.
5. **Colin M. Zarzycki**, Christiane Jablonowski, Mark A. Taylor (2014), "Using variable-resolution meshes to model tropical cyclones in the Community Atmosphere Model." *Mon. Wea. Rev.*, **142**(3), 1221–1239, doi:10.1175/MWR-D-13-00179.1.
6. Tami C. Bond, **Colin Zarzycki**, Mark G. Flanner, Dorothy M. Koch (2011), "Quantifying immediate radiative forcing by black carbon and organic matter with the Specific Forcing Pulse", *Atmos. Chem. Phys.*, **11**, 1505–1525, doi:10.5194/acp-11-1505-2011.
7. **Colin M. Zarzycki**, Tami C. Bond (2010), "How much can the vertical distribution of black carbon affect its global direct radiative forcing?", *Geophys. Res. Lett.*, **37**, L20807, doi:10.1029/2010GL044555.

Synergistic Activities

Co-convener and chair of sessions at both American and European Geophysical Union Annual Meetings; Reviewer for Journal of Climate, Journal of Geophysical Research-Atmospheres, Journal of Advances in Modeling the Earth System, Science of the Total Environment, Michigan Journal of Sustainability; Member of the NCAR Thompson Lecture Series Committee.