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Positions:

Postdoctoral Fellow, National Center for Atmospheric Research, Advanced Study Program, Oct. 2005 – July 2007.

PIMS Postdoctoral Fellow, University of Victoria, Sept. 2007 – .

Education:

Ph.D., Atmospheric and Oceanic Sciences, McGill University, 2005.

B.Math, Applied Mathematics, University of Waterloo, 2000.

Publications:

Waite, M. L. and P. K. Smolarkiewicz: Instability and breakdown of a vertical vortex pair in a strongly stratified fluid. *J. Fluid Mech.* (Submitted)

Waite, M. L. and P. Bartello, 2006: The transition from geostrophic to stratified turbulence. *J. Fluid Mech.*, 568, 89–108.

Waite, M. L. and P. Bartello, 2006: Stratified turbulence generated by internal gravity waves. *J. Fluid Mech.*, 546, 313–339.

Waite, M. L. and P. Bartello, 2004: Stratified turbulence dominated by vortical motion. *J. Fluid Mech.*, 517, 281–308.

Campbell, S. A. and M. Waite, 2001: Multistability in coupled Fitzhugh-Nagumo oscillators. *Nonlinear Analysis* 47, 1093–1104.

Interests: computational and theoretical geophysical fluid dynamics, especially interactions between turbulence, waves, and balanced dynamics; convection, and its multi-scale interactions with waves and large-scale vortical flow.

This summer school offers an excellent opportunity to learn more about tropical convection and different models for it, from highly idealized PDEs to GCM parameterizations. Indeed, it will provide an ideal way for me to begin my appointment as a PIMS postdoc on the same topic.

References:

Piotr Smolarkiewicz, NCAR, PO Box 3000, Boulder, CO 80307-3000, smolar@ucar.edu.

Peter Bartello, Depts of Atmospheric and Oceanic Sciences, and Mathematics and Statistics, McGill University, 805 Sherbrooke St. W, Montreal, QC, H3A 2K6, bartello@math.mcgill.ca.