

SARA C. PRYOR, PH.D.
INDIANA UNIVERSITY

Education and Training:

University of East Anglia, UK	B.S.	1989	Environmental Science
University of East Anglia, UK	Ph.D.	1992	Environmental Science
University of British Columbia, Canada	PDF	1993-1995	Atmospheric Science

Professional Experience:

2005 on	Professor of Atmospheric Science, Indiana University, Bloomington, IN. <i>Recipient of the 2008 Indiana University Presidents Award in recognition of outstanding teaching, research and service</i>
2001-02 & 2009*, Jan-Aug 2004**, & May-Aug 1999, 2000, 2003, 2005	Visiting Senior Scientist , Department of Wind Energy & Atmospheric Physics, Risø National Laboratory, Denmark * sabbatical leave from IUB. ** Leave from Departmental duties
1999-05	Associate Professor , Indiana University, Bloomington, IN
1995-99	Assistant Professor , Indiana University, Bloomington, IN

Selected relevant publications (84 journal articles, 1 book, 19 book chapters, over 120 conference papers/published reports): Copies available from: <http://php.indiana.edu/~spryor>.

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1. Pryor S.C. (Ed) (2009): Regional climate variability, predictability and change in the Midwestern USA. *A 24 chapter volume synthesizing the state-of-the-art regarding knowledge of historical and projected future changes to the physical climate. Indiana University Press, Bloomington, Indiana, USA, 312pp.*
 2. Pryor S.C., Howe J.A. and Kunkel K.E. (2009): How spatially coherent and statistically robust are temporal changes in extreme precipitation across the contiguous USA. *International Journal of Climatology* **29** 31-45.
 3. Pryor S.C. and Schoof J.T. (2008): Changes in the seasonality of precipitation over the contiguous USA. *Journal of Geophysical Research* **113**, D21108, doi:10.1029/2008JD010251.
 4. Schoof J.T. and Pryor S.C. (2008): On the proper order of Markov chain model for daily precipitation occurrence in the contiguous United States. *Journal of Applied Meteorology and Climatology* **47**, 2477-2486.
 5. Schoof J.T., Pryor S.C. and Robeson S.M. (2007): Downscaling daily maximum and minimum temperature in the Midwestern USA: A hybrid empirical approach. *International Journal of Climatology* **27** 439-454.
 6. Pryor S.C., Schoof J.T., Barthelmie R.J. (2006): Winds of Change? Projections of near-surface winds under climate change scenarios. *Geophysical Research Letters* **33** L11702 10.1029/2006GL026000.
 7. Schoof J.T. and Pryor S.C. (2006): An evaluation of two GCMs: Simulation of North American teleconnection indices and synoptic phenomena. *International Journal of Climatology* **26**, 267-282.
 8. Pryor S.C., Schoof J.T. and Barthelmie R.J. (2005): Potential climate change impacts on wind speeds and wind energy density in northern Europe: Results from empirical

- downscaling of multiple AOGCMs. *Climate Research* **29** 183-198.
9. Pryor S.C., Schoof J.T. and Barthelmie R.J. (2005): Empirical downscaling of wind speed probability distributions. *Journal of Geophysical Research – Atmosphere* **110** D19109 doi: 10.1029/2005JD005899.
 10. Pryor S.C., Barthelmie R.J. and Kjellström E. (2005): Analyses of the potential climate change impact on wind energy resources in northern Europe using output from a Regional Climate Model. *Climate Dynamics* **25** 815 – 835.

Example Synergistic Activities:

- Editor: *Journal of Geophysical Research – Atmospheres* (2010-2012), Associate Editor (2009).
- Fellow of the Academic Leadership Program (ALP) sponsored by the Committee on Institutional Cooperation (CIC). *ALP offers professional development opportunities for those who may wish to pursue administrative careers or other positions of academic leadership.* 2009-2010.
- Contributing author to IPCC report: Renewable energy's role in climate change mitigation (Chapter 'Wind Energy'). 2009.
- Expert presenter/consultant: Femern Sund-Bælt: workshop on climate scenarios. Ringsted, Denmark ('Wind climates'). Workshop organizer and host Femern Sund-Bælt A/S.
- Chair of the Midwestern Assessment Group for Investigations of Climate (MAGIC). 2007-2010
- Invited plenary presentation (The impact of climate change on wind energy resources) at the World Renewable Energy Congress-X, Glasgow, Scotland. July 2008.
- Invited participant in Workshop on Wind Resource Characterization: Research needs for wind energy, Denver, Colorado. Department of Energy: Office of Science. 2008.