

**Curriculum Vitae**  
**Tom P. Evans**  
Last updated May 2004

Department of Geography  
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**Education:**

- 1998 Ph.D. University of North Carolina at Chapel Hill (Geography) Dissertation: *Integration of Community-Level Social and Environmental Data: Spatial Modeling of Community Boundaries in Northeast Thailand*. Advisor: Steve Walsh.
- 1994-1998 Pre-Doctoral Trainee, Carolina Population Center, UNC-Chapel Hill.
- 1989 Virginia Polytechnic Institute: B.A. (Geography)

**Employment:**

- 2002–present Associate Director, Center for the Study of Institutions, Population and Environmental Change (CIPEC), Indiana University
- 1999-present Assistant Professor, Department of Geography, Indiana University
- 1998-1999 Post-doctoral Fellow in GIS, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University.
- 1993-1997 Graduate Research Assistant and Systems Administrator, Spatial Analysis Laboratory, Department of Geography, UNC-Chapel Hill.
- 1991-1992 Applications Programmer, Environmental Systems Research Institute (ESRI).
- 1990-1991 Graduate Research Assistant and Systems Administrator, Spatial Analysis Laboratory, Department of Geography, UNC-Chapel Hill.
- 1989-1990 Programmer, Administrative Data Processing, University of North Carolina at Chapel Hill.

**Research Areas:**

- Geographic Information Systems, Remote Sensing
- Land use/land cover change analysis, landcover change modeling
- Human-environment interactions; Landscape Ecology, Human Ecology

**Grants:**

- 2002-2007 National Science Foundation Major Research Instrumentation proposal **Development of a Spatial-Experimental Laboratory for Research and Policy Analysis Related to Complex Systems**. Co-Principal Investigator with Elinor Ostrom (PI-Indiana University), Jerome Busemeyer (IU), Robert Huckfeldt (IU) and James Walker (IU). \$848,000.
- 2001-2003 United States Department of Agriculture: United States Forest Service. **Incorporating Human Drivers and Responses in Land Use Change Models for the Northeastern and North Central Research Areas**. Co-Principal Investigator with Morgan Grove (USDA-USFS) and Charlie Schweik (U. Mass.). \$75,000.

- 2001-2002 Shawnee National Forest-USDA-USFS. **Social Assessment of the Shawnee National Forest**. Principal Investigator. \$25,000.
- 2000-2005 National Science Foundation (SES-0083511) **Biocomplexity in Linked Bioecological-Human Systems: Agent-Based Models of Land-Use Decisions and Emergent Land-Use Patterns in Forested Regions of the American Midwest and the Brazilian Amazon**. Co-Principal Investigator with Elinor Ostrom (PI – IU), Vicky Meretsky (IU), Jimmy Walker (IU) and Jerry Busemeyer (IU). \$2,749,232.
- 2000-2001 Hoosier National Forest, United States Department of Agriculture: United States Forest Service. **A Social Assessment of the Hoosier National Forest**. Co-Principal Investigator with Elinor Ostrom (IU). \$25,000.
- 2000 Sun Microsystems Research Equipment Grant. \$12,000.
- 2000 United States Department of Agriculture: United States Forest Service. Land Cover Change Model Development. \$10,000.
- 1996 Mellon Foundation Dissertation Research Residency Award, Carolina Population Center, UNC Chapel Hill. Funding for Dissertation research and fieldwork in Thailand. \$10,000.

#### **Awards/Honors:**

- 2000 **ASPRS/ERDAS Award for Best Scientific Paper in Remote Sensing**. Walsh, S. J., Evans, T. P., Welsh, W. F., Entwisle, B., Rindfuss, R. R. (1999). Scale Dependent Relationships between Population and Environment in Northeastern Thailand. *Photogrammetric Engineering and Remote Sensing*. Vol. 65, No. 1. pp. 97-105.
- 1997 **First Place, Association of American Geographers, Geographic Information Systems Specialty Group, Student Paper Competition** (Competition held at 1997 AAG meeting). Paper Title: Integration of Community Level Population and Environmental Data: Region Growing and Fuzzy Boundaries for the Delineation of Village Territories in Northeast Thailand.

## Refereed Publications:

### (A) Journals

#### *In review:*

Kelley, H. and Evans, T. P. The Relative Influence of Land-owner and Landscape Heterogeneity in an Agent-Based Model of Land Use. *Journal of Economic Dynamics and Control*.

#### *Published*

Schweik, C. M., Grove, M. and Evans, T. P. In press. Open Source and Open Content: A Framework for the Development of Social-Ecological Research. *Ecology and Society*.

Musacchio, L., Ozdenerol, E., Bryant, M. and Evans, T. P. In press. Changing Landscapes, Changing Disciplines: Seeking to Understand Interdisciplinarity in Landscape Change Research. *Landscape and Urban Planning*.

Evans, T. P., and Kelley, H. 2004. Multi-scale analysis of a household level agent-based model of landcover change. *Journal of Environmental Management*. 72 (1-2), 57-72.

Evans, T. P., Ostrom, E., and Gibson, C. 2002. Scaling Issues with Social Data in Integrated Assessment Modeling. *Integrated Assessment*. 3 (2-3), 135-150.

Evans, T. P. and Moran, E. 2002. Spatial Integration of Social and Biophysical Factors Related to Landcover Change. *Population and Development Review*. Population and Environment: Methods of Analysis, W. Lutz, A. Prskawetz and W. Sanderson (eds). The Population Council, A Supplement to Vol. 28, 165-186.

Evans, T. P., Manire, A., De Castro, F., Brondizio, E. and McCracken, S. 2001. A Dynamic Model of Household Decision Making and Parcel Level Landcover Change in the Eastern Amazon. *Ecological Modeling*. 143 (1-2), 95-113.

Evans, T. P. and Winterhalder, B. 2000. Modified Solar Insolation as an Agronomic Factor in Terraced Environments. *Land Degradation and Development*. 11(3), 273-287.

Walsh, S. J., Evans, T. P., Welsh, W. F., Entwisle, B., Rindfuss, R. R. 1999. Scale Dependent Relationships between Population and Environment in Northeastern Thailand. *Photogrammetric Engineering and Remote Sensing*. 65(1), 97-105.

Entwisle, B., Rindfuss, R., Walsh, S., Evans, T., Curran, S. 1997. Geographic Information Systems, Spatial Network Analysis, and Contraceptive Choice. *Demography*. 34(2), 171-187.

### (B) Edited volumes

#### *In press*

Evans, T. P., Munroe, D. K., and Parker, D. C. Modeling Land-Use/Land-Cover Change: Exploring the Dynamics of Human-Environment Relationships. In *Seeing the Forest and the Trees: Human-Environment Interactions in Forest Ecosystems*, ed. Emilio F. Moran and Elinor Ostrom. MIT Press.

Evans, Tom P., VanWey, L., and Moran, E. F. Human-Environment Research, Spatially Explicit Data Analysis, and GIS. In *Seeing the Forest and the Trees: Human-Environment Interactions in Forest Ecosystems*, ed. Emilio F. Moran and Elinor Ostrom. MIT Press.

*Published*

Walsh, S.J., Evans, T.P., Turner II, B.L. 2003. Population-Environment Interactions with an Emphasis on LULC Dynamics and the Role of Technology. In: *Geography and Technology*, ed. S.D. Brunn, S. Cutter, J.W. Harrington, Jr. pp. 491-520, Kluwer Academic Publishers.

Evans, T. P., Elinor Ostrom, and C. Gibson. 2003. Scaling Issues in the Social Sciences. In *Scaling in Integrated Assessment*, ed. Rotmans, J and Rothman, D. Lisse, The Netherlands: Swets & Zeitlinger.

Hoffman, M., Kelley, H., Evans, T. 2002. Simulating Land Cover Change in Indiana: An Agent-Based Model of De/Reforestation. In *Complexity and Ecosystem Management: The Theory and Practice of Multi-agent Approaches*, ed. Janssen, M., Cheltenham UK/Northampton, MA, USA: Edward Elgar Publishers.

Grove, J.M., C. Schweik, T. Evans, and G. Green. 2002. Modeling Human-Environmental Dynamics. In *Geographic Information Systems and Environmental Modeling*, ed. Clarke, K. C., B.E. Parks, and M.P. Crane, pp. 160-188. Prentice-Hall.

Evans, T. P., Green, G. and Carlson, L. 2001. Multi-Scale Analysis of Landcover Composition and Landscape Management of Public and Private Lands in Indiana. In *GIS and Remote Sensing Applications in Biogeography and Ecology*, ed. Millington, A., Walsh, S. and Osborne, P. Boston: Kluwer Publications.

**Manuscripts in Preparation:**

Evans, T. P., Sun, W., Schweik, C., Janssen, M., Meretsky, V. and Grove, J. M. Landuse/Landcover Change Model Design, Validation and Application.

Evans, T. P., Donnelly, S., and York, A. Social and Biophysical Drivers of Parcelization in South-Central Indiana.

**Working Papers, Technical Reports, Conference Proceedings:**

Schweik, C.M., Grove, J.M., and Evans, T.P. 2004. The Open Source Paradigm and the Production of Scientific Information: A Future Vision and Implications for Developing Countries. In J.M. Esanu and P.F. Uhlir (eds.) *Open Access and the Public Domain in Digital Data and Information for Science*. Washington, D.C.: National Academies Press.

Schweik, C.M., Evans, T.P. and Grove, J.M. 2003. "Initiating an Open Source\Content Landcover Change Modeling Effort." Report from a Workshop held August 2003 at University of Massachusetts, Amherst: Department of Natural Resources Conservation

Schweik, C.M., Evans, T.P. and Grove, J.M. 2003. Report of Workshop titled: "Initiating an Open Source\Content Landcover Modeling Effort", co-sponsored by NSF Biocomplexity program and USDA. Workshop held August 21-22 2003, Boston, MA. Report available online at <http://lulc.org>.

Welch, D. and Evans, T. P. 2003. A Social Assessment of Shawnee National Forest History, Demographics, and Stakeholder Views of Southern Illinois. CIPEC Summary Report No. 5. Bloomington: Center for the Study of Institutions, Population, and Environmental Change, Indiana University.

Agarwal, C., Green, G. M., Grove, J. M., Evans, T. P. and Schweik, C. M. 2002. [A Review and Assessment of Land-Use Change Models: Dynamics of Space, Time, and Human Choice](#). CIPEC Collaborative Report No. 1. USFS Publication GTR-NE-297. Joint publication by the Center for the Study of Institutions, Population, and Environmental Change at Indiana University–Bloomington and the USDA Forest Service. Burlington, Vt.: USDA Forest Service Northeastern Forest Research Station.

Walsh, S.J., Evans, T.P., Welsh, W.F., Rindfuss, R.R., and Entwisle, B. 1998. Population and environmental characteristics associated with village boundaries and landuse/landcover patterns in Nang Rong District, Thailand. Proceedings, Pecora 13 Symposium on Human Interactions with the Environment: Perspectives From Space. American Society for Photogrammetry and Remote Sensing, Bethesda, Maryland, pp. 395-404 (ISBN-1-57083-055-X [CD] publication).

Welch, D., Croissant, C., Evans, T. P. and Ostrom, E. 2001. A Social Assessment of Hoosier National Forest. CIPEC Collaborative Report No. 2. Bloomington: Center for the Study of Institutions, Population, and Environmental Change, Indiana University.

Evans, T. P., Walsh, S., Entwisle, B., and Rindfuss, R. 1995. Testing Model Parameters of Transportation Network Analyses in Rural Thailand. Proceedings, GIS/LIS Conference. Nashville, TN, Volume 1, pp. 302-311.

Winterhalder, B. and Evans, T. P. 1991. Preliminary GIS Analysis of the Agricultural Landscape of Cuyo Cuyo, Department of Puno, Peru. Proceedings, Applications of Space-Age Technology in Anthropology. NASA John C. Stennis Space Center, Mississippi.

#### **Invited Presentations:**

Evans, T. P., York, A. and Ostrom, E. 2004. Institutional Dynamics, Spatial Organization and Landscape Change. Places of Power: Economic and Political Driving Forces of Landscape Change in the 21st Century. University of Chicago. September 9-11, 2004.

Deadman, P.J., Moran, E., Evans, T. P., and Kelly, H. 2004. Agent-Based Models of Land Use Change in Southern Indiana and Altamira, Brazil. Decision Making Under Uncertainty. Colorado State University, Fort Collins, CO. July 21-23, 2004.

Schweik, C.M., Evans, T.P. and Grove, J. M. 2004. Open Source Programming as a Framework for Scientific Collaboration: An Example in the Context of Land-use Change Modeling. Invited paper presented at the Workshop on Scholarly Communication as an Information Commons. Workshop in Political Theory and Policy Analysis, Indiana University. March 31-April 2.

Deadman, P., Evans, T., Kelley, H. and Ostrom, E. 2004. Emergent Land-Use Patterns of Social-Biophysical Interactions in Complex Systems. 2004 meeting of the American Association for the Advancement of Science (AAAS), February 2004. Seattle, WA

- Grove, J. M., Schweik, C. M. and Evans, T. P. 2003. An Open Source Framework for Landuse Modeling: Kernels and Constituents. European-American Workshop on Long Term Socio-Environmental Research. July 1-5, 2003. Motz, France.
- Evans, T. P., Schweik, C. M. and Grove, J. M. 2003. Connecting Landcover Change Models to Policy Needs by Spatial Scale. European-American Workshop on Long Term Socio-Environmental Research. July 1-5, 2003. Motz, France.
- Evans, T. P. and Welch, D. 2003. Social Assessments of the Shawnee and Hoosier National Forests. US Forest Service sponsored workshop: Changing Social Landscapes. March 26-28, 2003. Milwaukee, WI.
- Kelley, H. and Evans, T. P. 2002. Simulating Land-Cover Change in South-Central Indiana: An Agent-Based Model of Deforestation and Afforestation. Workshop in Political Theory and Policy Analysis Colloquium Series. February 11, 2002. Indiana University.
- Evans, T. P. 2001. Linking Agent Decisions to Landscape Outcomes in a Socio-Ecological Agent-Based Model. Integration of Spatial Ecological and Environmental Social Science Methods for Study of Biodiversity and Biocomplexity Workshop. September 27-28, 2001. Indiana University.
- Evans, T. P. 2001. An Agent-based Model of Landcover Change in South-central Indiana: Bridging Social and Environmental Science Research Methods. May 11, 2001. Ohio State University School of Natural Resources.
- Evans, T. P. 2000. Landcover change on Public and Private Lands in Indiana. Changing Landscapes of Rural America workshop. September 23-24, 2000. Mammoth Hotsprings, WY.
- Evans, T. P., E. Ostrom, and C. Gibson. 2000. Scaling Issues in the Social Sciences. European Forum of Integrated Environmental Assessment (EFEIA) Matrix workshop "Scaling Issues in Integrated Assessment". July 12-19. Mechelen, Netherlands.
- Evans, T. P., Ostrom, E. and Moran, E. 1999. Spatial Integration of Social, Political and Biophysical Factors Contributing to Landcover Change. Max Planck Institute for Demography, Workshop on Population-Environment Modeling. August 12-13. Rostock, Germany.

### **Conference Presentations:**

- Evans, T. P., Kelley, H., and Sun, W. 2005. Spatial Decision-Making, Heterogeneity, and Agent-based Models of Landcover Change. Annual Meeting of the Association of American Geographers, Denver, CO. April 5-9, 2005.
- Evans, T. P., Kelley, H. and Sun, W. 2004. Using Spatial Experiments to Explore Agent Behavior in Agent Based Models and Simulations. Paper presented at the Integrated Assessment of the Land System: The Future of Land Use workshop. October 28-30, 2004. Amsterdam.
- Evans, T. P., Kelley, H. and Deadman, P. 2004. Spatial Aspects of Decision-making in Land Management Systems: Implications for Agent-based Modeling. Annual Meeting of the International Geographical Union. Glasgow, Scotland. August 15-20.

- Evans, T. P., Kelley, H. and Sun, W. 2004. Using Spatial Experiments to Explore Agent Behavior in Agent Based Models and Simulations. Annual Meeting of the Association of American Geographers 2003 Conference. Philadelphia, PA.
- Schweik, C.M., Evans, T.P. and Grove, J. M. 2004. Open Source Programming as a Framework for Scientific Collaboration: An Example in the Context of Land-use Change Modeling. Workshop on Scholarly Communication as an Information Commons. Workshop in Political Theory and Policy Analysis, March 31-April 2. Indiana University. Bloomington, IN.
- Schweik, C. M., Grove, J. M. and Evans, T. P. 2003. An Open Content Framework for the Production of Landcover Change Models. Open Meeting of Human Dimensions of Global Environmental Change. October 16-18, 2003. Montreal, Canada.
- Janssen, M., Evans, T. P. and Meretsky, M. 2003. Validation of land use change models: The need to validate the dynamics behind the landscape patterns and composition. Framing Land Use Dynamics: Integrating knowledge on spatial dynamics in socio-economic and environmental systems for spatial planning in western urbanized countries. International Conference April 16-18, 2003. Utrecht University, The Netherlands.
- Evans, T. P., Schweik, C. M. and Grove, J. M. 2003. Connecting Landcover Change Models to Policy Needs by Spatial Scale. Framing Land Use Dynamics: Integrating knowledge on spatial dynamics in socio-economic and environmental systems for spatial planning in western urbanized countries. International Conference April 16-18, 2003. Utrecht University, The Netherlands.
- Kelley, H. and Evans, T. P. 2003. Decision Strategies and Landcover Change: A Multi-Agent Model of Household Landuse Decisions in a Reforesting Landscape. Framing Land Use Dynamics: Integrating knowledge on spatial dynamics in socio-economic and environmental systems for spatial planning in western urbanized countries. International Conference April 16-18, 2003. Utrecht University, The Netherlands.
- Evans, T. P., Kelley H. and VanWey, L. 2003. Incorporating Demographics into Agent-Based Models of Landcover Change. Annual Meeting of the Population Association of America. Minneapolis, MN.
- Schweik, C. M., Grove, J. M. and Evans, T. P. 2003. The Open Source Paradigm and the Production of Scientific Research. Invited presentation at the International Symposium on Open Access and Public Domain in Digital Data and Information for Science, United Nations Educational, Scientific and Cultural Organization (UNESCO), March 11, 2003. Paris, France.
- Evans, T. P., Parker, D., Meretsky, V. and Kelley, H. 2002. An Agent-based Model of Landcover Change: Monroe County, IN. Annual Meeting of the Association of American Geographers 2002 Conference. Los Angeles, CA.
- Mussacchio, L., Bryant, M., Cadenasso, M., Evans, T. P., Steiner, F. 2002. Cities of Resilience: Integrating Ecology into Urban Planning, Design, Policy, and Management (panelist). Council of Educators in Landscape Architecture (CELA) September 2002. Syracuse, NY.
- Meretsky, V., Evans, T. P., Carlson, L., Parker, D., and Welch, D. 2002. Painting Trees by Numbers. 17th Annual Symposium of the International Association for Landscape Ecology, April 23-27. Lincoln, Nebraska.

- Evans, T. P., Hoffman, M., Kelley, H. and Parker, D. 2001. An Agent-based Model of Parcel-Level Landcover Change in Southern Indiana. Annual Meeting of the Association of American Geographers 2001 Conference. New York, NY.
- Green, G., Agarwal, C., Grove, M. Schweik, C. and Evans, T. 2001. Limits to Land Cover Change Modeling: Barriers Imposed By Disciplinary Divisions and Data Availability. Annual Meeting of the Association of American Geographers 2001 Conference. New York, NY.
- Meretsky, V., Evans, T., Brondizio, E., Croissant, C. and Parker, D. 2001. Characterizing landscape composition and pattern: Cross-site comparison of social and biophysical factors. Annual Meeting of the International Association of Landscape Ecology. Tempe, AZ.
- Evans, T. P., Manire, A., De Castro, F. and McCracken, S. 2000. A Dynamic Model of Household Decision Making and Parcel Level Landcover Change in the Eastern Amazon. Annual Meeting of the Population Association of America. Los Angeles, CA.
- Evans, T. P., Ostrom, E. and Moran, E. 2000. Spatial Integration of Social, Political and Biophysical Factors Contributing to Landcover Change. Association of American Geographers 2000 Conference. Pittsburgh, PA.
- Green, G., Carlson, L., and Evans, T. 2000. The Spatial Scale of Institutional Anomalies in the Distribution of Forested Land in Indiana. Biennial Meeting of the International Association for the Study of Common Property.
- Hoffman, M., Kelley, H. and Evans, T. P. 2000. Simulating Land Cover Change in Indiana: An Agent-Based Model of De/Reforestation. July 2000 Micro Changes and Macro Outcomes Conference.
- Schweik, C. Agarwal, C., Green, G., Grove, J. M. and Evans, T. P. 2000. "A Review and Assessment of Land Use Change Models: Dynamics of Space, Time, and Human Choice" presented at the 4<sup>th</sup> International Conference on Integrating GIS and Environmental Modeling (GIS/EM4): Problems, Prospects and Research Needs, September 2-8. Banff, Alberta. Canada.
- Evans, T. P., Green, G. and Schweik, C. 1999. Forest Fragmentation and Land Cover Change on Private Lands in Southern Indiana. Association of American Geographers 1999 Conference, Honolulu, HI.
- Evans, T. P. 1998. Spatial Modeling of Community Boundaries in Northeast Thailand. Association of American Geographers Conference. Boston, MA.
- Entwisle, B., Rindfuss, R., Walsh, S., and Evans, T. P. 1998. Satellite Data and Social Demographic Research. Annual Meeting of the Population Association of America. Chicago.
- Evans, T. P. 1997. Integration of Community Level Population and Environmental Data: Region Growing and Fuzzy Boundaries for Delineation of Village Territories in Northeast Thailand. First Place, 1997 GIS Specialty Group Student Paper Competition held at Association of American Geographers 1997 Conference. Ft. Worth, TX.
- Walsh, S., Evans, T. P., Welsh, W., Rindfuss, R., and Entwisle, B. 1997. Scale Dependence of Landuse/Landcover, Terrain, and Plant Biomass in Northeast Thailand and their Relationship to Population Characteristics at the Community Level. 1997 Open Meeting of the Human Dimensions of Global Environmental Change Research Committee. Laxenburg, Austria.

**Workshops Given/Training:**

- May 2005. Co-Instructor. CIPEC/Biocomplexity Summer Institute on “Agent-based Modeling and Natural Resource Governance”. Monday May 16-June 1, 2005.
- August 2003: Co-organized NSF and USFS sponsored “Initiating an Open Source/Content Landcover Modeling Effort” workshop. Boston, MA.
- Spring 2003: The Application of FRAGSTATS for the study of landuse/landcover change. Offered at Indiana University through the University Information Technology Services “InfoShare” campus series. Bloomington, IN.
- Spring 2000: International Association for the Study of Common Property Annual Meeting, Introduction to the Use of Spatial Data in Common Pool Resources Research. Bloomington, IN.
- Spring 1998-2002: Co-Instructor, A Summer Institute on Environmental Monitoring and Assessment: Applications in the Americas, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University, three week training course.
- Co-organized workshop titled: “Initiating an Open Source/Content Landcover Modeling Effort” (With Schweik, C. M., and Grove, J. M.), co-sponsored by NSF Biocomplexity program and USDA. Madison, WI.

**Teaching:**

Course Number/Name	Semester/Year	Number of Students
G107 Physical Systems of the Environment (Team Taught)	Fall 2002	150
G237 Cartography and Geographic Information Systems	Fall 1999	13
	Spring 2000	12
G338/G538 Introduction to Geographic Information Systems	Spring 2000	11
	Fall 2000	15
	Spring 2001	19
	Fall 2001	20
	Spring 2002	14
	Fall 2002	14
	Fall 2003	21
	Fall 2004	26
G438/G539 Advanced Geographic Information Systems	Fall 2000	10
	Spring 2001	6
	Spring 2002	5
	Spring 2004	14
	Spring 2005	11
G439/G639 Seminar in Geographic Information Systems	Fall 2001	3
	Fall 2004	5

Note: G338/G538, G438/G539 and G439/G639 are courses with combined undergraduate and graduate sections. Course numbers for Introduction to GIS and Advanced GIS changed during this period.



*Supervision of Independent Readings and Research (1 student unless indicated)*

- G450, Supervision of Independent Readings and Research Coursework
  - Spring 2001 (3 students) – Geographic Information Systems
- G830, Supervision of Independent Graduate Independent Readings
  - Spring 2000 – GIS and Landuse/Landcover Change
  - Spring 2002 – GIS and Landuse/Landcover Change
  - Fall 2002 – GIS and Landuse/Landcover Change
  - Spring 2003 – Landownership and Parcelization
  - Fall 2004 – Readings in Landuse/Landcover Change
- G840, Supervision of Graduate Independent Research
  - Spring 2001 – Spatial metrics and Landcover analysis
  - Spring 2003 – Landuse/Landcover Modeling
  - Summer 2003 – Landownership and Landcover Change
  - Fall 2003 – GIS and Modeling
  - Spring 2004 – GIS programming

**Graduate Student Advising:**

Primary Advisor

*Ph.D. in progress*

Shanon Donnelly (Geography)  
Wenjie Sun (Geography)

*Masters in Progress*

Chuck Winkle (Geography)  
Debashish Ghosh (Geography)  
Howard Kim (Geography)

*Masters Completed*

Shanon Donnelly (Geography) – *Linking landscape pattern to social process: a multi-scale analysis of farm woodlots in Northern Indiana (2003)*

Committee Member

*Ph.D. in progress*

Cameron Griffith (Anthropology)  
Jon Winburn (Political Science)  
Dale Weigel (School of Public and Environmental Affairs)  
Lauren Persha (SPEA)

*Ph.D completed*

Cynthia Croissant (Geography) - completed 2004  
Brian Offerle (Geography) – completed 2003  
Keshav Bhattarai (Geography) – completed 2000

*Masters in progress*

*Masters completed*

Julie Hanson (Geography) – M.A. completed spring 2001

**Service:**

***Departmental Service Activities***

2000-2005 – Chair, Department of Geography Computer Resources Committee.

2003-2004 – Member Department of Geography Salary Committee

### ***University Service Activities***

2002-present. Associate Director, Center for the Study of Institutions, Population and Environmental Change (CIPEC).

2002-present. Lead Delegate to University Consortium for Geographic Information Science.

April 2004. Keynote speaker at Indiana University School of Public and Environmental Affairs graduate student conference “A Diversity of Disciplines in Creating “Public” Knowledge: Multiple Approaches to the Study of Environmental and Public Affairs”.

2001-2004. Co-organizer of GIS Day open house at Indiana University, a one day event co-sponsored by Department of Geography, Indiana Geological Survey and University Information Technology Services.

Spring 2003. Offered campus-wide workshop on Application of FRAGSTATS for Landcover Change Research through University Information Technology Services Infoshare program at Indiana University.

Spring 2002. Member of committee to develop a Global Environmental Change program within new International Studies curriculum at Indiana University

Fall 2001. Coordinated application for membership in University Consortium for Geographic Information Science.

Fall 2001. Search committee for tenure-track appointment of Head of Geology Library.

### ***Disciplinary Service Activities***

#### **Manuscript reviews**

*Agriculture, Ecosystems and the Environment*

*Annals of the Association of American Geographers*

*Conservation Biology*

*Conservation Ecology*

*Environmental Management*

*Environment and Planning B*

*Field Methods*

*Forest Science*

*Geographical Analysis*

*International Journal of Geographic Information Science*

*Landscape Ecology*

*Plant Ecology*

*Photogrammetric Engineering and Remote Sensing*

*Professional Geographer*

*Small-scale Forest Economics*

*Management and Policy*

**Proposal reviews:**

NSF Geography and Regional Science Program (2001-2003)  
NSF Small-Business Innovation Research (SBIR)  
Natural Sciences and Engineering Council of Canada (NSERC).

**Other Service Activities:**

2005. Co-organizing (with Steve Manson – U. Minn) special issue on Agent-based modeling and landuse/landcover change. Special Issue approved by editors for *Environment and Planning B*.

Spring 2005. Co-organized sessions on Complexity at 2005 meeting of the Association of American Geographers (with Steve Manson, Paul Torrens and Dawn Parker)

Spring 2004. Organized three sessions on Agent-based Modeling at 2004 meeting of the Association of American Geographers. March 15-19. Philadelphia, PA.

Fall 2003. Organized special session on *Designing Landcover Change Models to Meet Policy Needs* at 2003 International Open Science Meeting of Human Dimensions of Global Change. October 16-18. Montreal, Canada.

Summer 2003. Co-organized workshop “Initiating an Open Source\Content Landcover Modeling Effort” (with Morgan Grove (USFS) and Charlie Schweik (U.Mass)). <http://www-unix.oit.umass.edu/~cschweik/Research/LULC/>. August 21-22. Boston, MA.

Summer 2002. Presentation to Sassafras Chapter of the Audobon Society. Bloomington, IN.

Fall 2001. Co-organized NSF funded “Land Use/Land Cover Workshop” – an initiative to develop modeling strategies between LTER, HERO and NSF project members (with Morgan Grove (USFS) and Charlie Schweik (U.Mass)). August 1-3. Madison, WI.  
<http://caplter.asu.edu/biocom/agenda1.htm>

Spring 2001. Co-organized three sessions on Population-Environment Interactions at 2001 Association of American Geographers conference.

**Memberships:**

Association of American Geographers (AAG)  
American Society for Photogrammetry and Remote Sensing (ASPRS)  
Population Association of America (PAA)