

## Curriculum Vitae

Burnell C. Fischer, Ph.D., CF

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Clinical Professor  
School of Public and Environmental Affairs, RM 321  
Indiana University  
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### **Employment:**

2005-present Clinical Professor, School of Public & Environmental Affairs, IUB  
2005-present Affiliated Faculty Member and Co-coordinator Indiana IFRI CRC, Workshop in Political Theory and Policy Analysis, Indiana University  
2008-2011 Director, Undergraduate Programs, School of Public & Environmental Affairs, IUB  
1990-2005 State Forester & Director Division of Forestry, Indiana DNR  
1988-1997 Professor and Extension Forester, Department of Forestry and Natural Resources (FNR), Purdue University, (on-leave of absence 1990-1997); Adjunct 1997-present  
1985-1989 Co-Coordinator Illinois-Indiana Sea Grant Program, Purdue University  
1978-1988 Extension Coordinator, FNR, Purdue University  
1981-1988 Associate Professor and Extension Forester, FNR, Purdue University  
1977-1981 Assistant Professor and Extension Forester, FNR, Purdue University  
1974-1977 Assistant Professor of Forestry, Department of Forestry and Wildlife Management, University of Massachusetts-Amherst

### **Education:**

BSF (1969), MSF - Silviculture (1971) and Ph.D. - Silviculture (1974) Purdue University  
Ph.D. Thesis "Measuring and Modeling Light Energy in a Small Forest Opening"

### **Publications (2004 to present):**

Vogt, J. and B.C. Fischer. 2011. Exploring the Relationship Between the Urban Forestry and Community Sustainability Program in Indiana. *Arboriculture and Urban Forestry* (Submitted)  
Cox, Michael, Burnell Fischer, Sarah Mincey, Tatyana Ruseva, and Sergio Tomas-Villamayor. 2011. Evaluating the USFS State & Private Forestry Redesign Program: A First Look at Policy Implications. *Ecological Economics* (in press).  
Coleman, E., J. Kershaw and B.C. Fischer. 2011. Using Stocking Guides to Take Stock of Forest Institutions. *Society and Natural Resources* (in press)  
Farmer, J.R., D. Knapp, V.J. Meretsky, C. Chancellor and B.C. Fischer. 2011. Motivations Influencing the Adoption of Conservation Easement. *Conservation Biology* 25(4): 827-834.  
Auer, M., K. Richards, D. Seesholtz, B. Fischer, C. Freitag and J. Grice. 2011. The U.S. Forest Service and Its Responsibilities under the National Environmental Policy Act: A Work Design Problem. *Public Organization Review* DOI 10.1007/s11115-010-0115-6, p. 135-153.  
Fleischman, F.D., K. Boenning, G.A. Garcia-Lopez, S. Mincey, M. Schmitt-Harsh, K. Deadlow, M.C. Lopez, X. Basurto, B.C. Fischer and E.O. Ostrom. 2010. Disturbance, Response and Persistence in Self-Organized Forested Communities: Analysis of Robustness and Resilience in Five Communities in Southern Indiana. *Ecology and Society* 15(4): 9. [online] URL: <http://www.ecologyandsociety.org/vol15/iss4/art9/>  
Tucker, C.M., A. Agrawal and B.C. Fischer. 2010. The International Resources and Institutions Research Program: An Elinor Ostrom Creation. *Transnational Corporations Review* 2(2):79-83.  
Fischer, B.C. and T.B. Ruseva. 2010. What is happening in and outside America's private woodlands. (Invited Response to: Coufal, J.E., C. Wiedemann and M. Gleason, What's happening in the woods). *J. Forestry* 108(6):304-306.

- Vogt, J. and B.C. Fischer. 2010. Tree City USA: A Potential Catalyst for Community Sustainability. Poster Paper, International Society of Arboriculture Annual Conference 2008, July 25-28, Chicago, IL.
- Mincey, S.K. and B.C. Fischer. 2009. The Woodland Campus: A historic walking tour of Indiana University-Bloomington. IU-B School of Public and Environmental Affairs publication (1<sup>st</sup> edition), 20p.
- Morrissey, R.C., M.M. Gauthier, J.A. Kershaw, Jr., D.F. Jacobs, J.R. Seifert and B.C. Fischer, 2009. Grapevine dynamics in association with manual tending, physiography, and host tree associations in temperate deciduous forests. *Forest Ecology & Management* 257: 1839-1846.
- Richards, K. D. Seesholtz, C. Freitag, M. Auer, J. Barbour, B. Fischer and G. McCardle. 2009. Contrast in NEPA: Approaches by the U.S. Forest Service Region 1 and Region 6 – a pilot study. A report to the U.S. Forest Service, Washington Office; USDA Forest Service.
- DeRolf, A., Lewis, S., and B.C. Fischer. 2008. Quantitative comparison of honors programs at IU-B. Poster Paper, IU-B Scholarship of Teaching & Learning Poster Paper Conference; 2008, April 24, Bloomington, IN
- Fischer, B.C. and B.C. Steed. 2008. Street trees: A misunderstood common pool resource. Proc. 84<sup>th</sup> International Society of Arboriculture Annual Conference, St. Louis, MO. 18 p.
- Morrissey, R.C., M.M. Gauthier, J.A. Kershaw, Jr., D.F. Jacobs, B.C. Fischer, and J.R. Seifert. 2008. Grapevine dynamics after manual tending of juvenile stands on the Hoosier National Forest, Indiana. In: Jacobs, D.F. and Michler, C.H., eds., Proceedings of the 16th Central Hardwood Forest Conference; 2008 April 8-9, West Lafayette, IN. USDA Forest Service Northern Research Station Gen. Tech. Rep. NRS-P-24.
- Johnson, D. and B.C. Fischer. 2008. Updating shade tolerance tables. Poster Paper, 16<sup>th</sup> Central Hardwood Forest Conference; 2008 April 8-9, West Lafayette, IN
- Corbin, S.C. and B.C. Fischer. 2008. Evaluating active learning using a campus field experience. Poster Paper, IU-B Scholarship of Teaching & Learning Poster Paper Conference; 2008, April 25, Bloomington, IN.
- Mincey, S.K. and B.C. Fischer 2008. Bloomington, Indiana and Indiana's School of Public and Environmental Affairs: Partnering for the urban forest. Poster Paper, International Society of Arboriculture Annual Conference 2008, July 25-28, St. Louis, MO.
- Morrissey, R.C., D.F. Jacobs, J.R. Seifert, B.C. Fischer and J.R. Kershaw. 2008. Competitive success of natural oak regeneration in clearcuts during the stem exclusion state. *Canadian Journal of Forest Research*, 38:1419-1430.
- Steed, B.C. and Fischer, B.C. 2008. Street trees: Are they a misunderstood common pool resource? Proc. of the 12<sup>th</sup> Biennial International Association for the Study of the Commons Conference, Cheltenham, England. 19 p.
- Richards, K., D. Seesholtz, J. Grice, M. Auer, J. Barbour, B. Fischer, C. Freitag and G. McArdle. 2007. Internal organization and external contracting for the NEPA process: Lessons from new institutional economics and strategic organization design. A white paper prepared for the USDA Forest Service, Pacific Northwest Research Station. 49p.
- Fischer, B.C. 2006. Forest management in the upland central hardwoods: a suggested status report." *The Indiana Forester*, pp. 2-3
- Fischer, B.C. 2005. State trends in Forest/Wildlife Issues - An Indiana Division of Forestry Perspective. *Purdue University Cooperative Extension Service Bulletin, FNR – 258*. p. 11
- Fischer, B.C. 2004. The need for alternative Institutions for management of forest land across boundaries in Indiana. In: *Forest Land Conservation: An Indiana Portfolio*. Workshop presented by the Center for the Study of Institutions, Population, Environmental Change, Indiana University and Department of Forestry and Natural Resources, Purdue University. Nashville, IN. 4p

### **Indiana University (2005-present) – Grants and Service**

#### **Research**

- Keep Indianapolis Beautiful “ Sustainable Urban Forest Management: Predicting Tree Success in Indianapolis NeighborWoods”  
PI's B.C. Fischer, J. Vogt, S. Mincey 2011-13 \$35,000

- Office of Sustainability, IUB “The Impact of Institutional Mechanisms on Sustainable Urban Development.”  
PI’s B.C. Fischer, Co PI’s S.K. Mincey, M. Schmitt-Harsh, R. Thureau 2011-12 \$15,000
- IUB-SPEA Research Seed Grant “Green Carbon: Developing Local Institutional Architecture for REDD+.”  
PI’s B.C. Fischer, E. Ostrom, M. McGinnis, Co-PI’s A. Agrawal, R. Holahan, P. Kashwan 2010-11 \$20,000
- IUB-SPEA Research Seed Grant “Comparing the Design and Outcomes of Competitive Funding Programs in Federal Natural Resource Agencies.”  
PI’s S. Fernandez, B.C. Fischer, Co-PI’s – M. Cox, S. Mincey, T. Ruseva, S. Villamayor-Tomas 2010-11 \$20,000
- City of Bloomington, IN “Urban Forestry Resources and Institutions (UFRI) Pilot Project  
PI’s B.C. Fischer, S.K. Mincey 2009-10 \$3,000
- Indiana Department of Natural Resources, Community and Urban Forestry Program  
“Urban Forestry Resources and Institutions (UFRI) Pilot Project”  
PI’s B.C. Fischer, S.K. Mincey 2009-10 \$3,000
- IU-B Center for Research in Environmental Science (CRES)  
“The Influence of Institutional Dynamics on Urban Tree Canopy in Bloomington, Indiana: A New Approach for Spatial Analysis of Sustained Urban Forests”  
PI Tom Evans, Co-PI’s B.C. Fischer, S.K. Mincey, R. Thureau 2009-10 \$18,700
- US Forest Service State & Private Forestry, Washington Office  
“Evaluation of the State & Private Forestry Redesign Program”  
PI B.C. Fischer, Co-PI’s M. Cox, S. Mincey, T. Ruseva, S. Villamayor-Tomas 2009-10 \$49,999
- IU-B SPEA, Sustainability Research Seed Grant  
“Studying Sustainability of Urban Social-Ecological Systems through the Urban Forest: Development of the Urban Forest Resources and Institutions (UFRI) system.”  
PI’s B.C. Fischer, S.K. Mincey, R. Thureau 2009-10 \$10,000
- US Forest Service NEPA for the 21<sup>st</sup> Century Initiative Cooperative Agreement “Standardization of NEPA practices in the USFS  
PI’s K. Richards, M. Auer, B.C. Fischer, S. Fernandez 2008-09 \$35,000
- National Science Foundation, Human and Social Dimensions  
“Dynamics of Reforestation in Coupled Social-Ecological Systems: Modeling Land-Use Decision Making and Policy Impacts”  
PI’s T. Evans, K. Caylor, B. Fischer, E. Moran, C. Tucker 2007-09 \$749,150
- US Forest Service NEPA for the 21<sup>st</sup> Century Initiative, Cooperative Agreement  
“Comparative Analysis of NEPA Process, Organization and Personnel”  
“New Institutional Economic Analysis of the Forest Service NEPA Responsibilities”  
PI’s K. Richards, M. Auer, B.C. Fischer 2006-07 \$125,798
- US Forest Service Northern Research Station  
“Dynamics, impacts and predictive modeling of *Microstegium vimineum* (Japanese stiltgrass) invasions in eastern deciduous forests.  
PI K. Clay, Co-P.I.’s S.L. Flory, A. Shelton, D. Johnson, B.C. Fischer 2007-10 \$75,735

Teaching Grants/Agreements

- Indiana Department of Natural Resources, Division of Forestry.  
Urban Forest Conservation Fund Grant, “IU-Woodlands Brochure  
PI’s B.C. Fischer, S.K. Mincey 2008-09 \$4,410

- Indiana University Freshman Learning Project Fellowship – B.C. Fischer 2008 \$2,000
- Indiana University Active Learning Grant “Developing a Campus Field Experience for E162 Environment and People  
PI’s B.C. Fischer, S. Corbin 2007-08 \$1,500
- Indiana Department of Natural Resources, Division of Forestry Urban Forest Conservation Fund, Special Grant “Establishing an Urban Forestry Course at IU SPEA Bloomington.”  
PI B.C. Fischer 2006-07 \$9,475
- City of Bloomington, IN, Parks and Recreation Department “Urban Forestry Internships”  
PI B.C. Fischer 2006-07 \$7,000

Service

SPEA:

Master of Science in Environmental Science Curriculum Committee, 2006-present  
 Public Policy Ph.D. Admissions Committee, 2006-present  
 Overseas Education Committee, 2009-2011  
 Sabbatical Review Committee, 2009-11  
 Search Committee (Lecturers) Env. Technology (2009-10) & Management (2009)  
 SPEA New Classrooms/Library Construction Committee, 2009-10  
 Career Services Advisory Committee. 2008-11  
 Scheduling Committee, 2008-11  
 Scholarships and Awards Committee, 2008-11  
 Undergraduate Curriculum Committee, Chair, 2008-11  
 Master of Science in Environmental Science Admissions Committee, 2006-08

IUB:

Campus Roadmap Committee, 2011- present  
 Campus Tree Advisory Committee, 2008-present  
 The Workshop in Political Theory and Policy Analysis, Advisory Council, 2006-present  
 (Elected chair 2009-11)  
 Preparing Future Professors Faculty Learning Committee, 2009-present  
 Research and Teaching Preserve Executive Committee, 2007-11  
 Student Behavior Committee, 2008-11  
 Environmental Studies Degree Restoration Committee, 2009-10

**Professional Affiliations and Roles:**

**Indiana Division of Forestry (1990-2005)**

As State Forester, Dr. Fischer supervised the Division of Forestry within the Indiana Department of Natural Resources for 15 years. In 2005 the Division had 137 full-time and 216 intermittent employees, and a biennial budget of \$25 million. In addition the division managed over \$3.7 million annually in federal cooperative forestry programs. The division manages 150,000 acres of woodlands in the state’s 13 state forests, which also contain two state recreation areas and one state park. The division’s 18 district foresters provide on-site guidance to private landowners. The state’s two tree seedling nurseries annually sell five to six million tree seedlings and wildlife shrubs. The division offers education programs and technical assistance in forestry and conservation (Project Learning Tree), fire control, prevention and use, community and urban forestry, forest products utilization and marketing, and forest health. Also, the division administers the Licensed Timber Buyer’s and Classified Forestland programs.

**National Association of State Foresters (NASF)**

Chair, Forest Based Economic Development Committee 1993-95  
 Chair, Urban Forestry Committee 1999-2002  
 National Urban and Community Forestry Advisory Council (NUCFAC), 2000-2003  
 Chair of NASF Review Team that authored “A Review of State and Private Forestry Deputy Area – Washington Office, 2002”  
 NASF Treasurer 2001-02, Vice President 2002-03 and President 2003-04

NASF Foundation Board, member 2004-present, President 2006-11  
USFS Region 9/Northeastern Area Merger Analysis Team, 2008 (consultancy)

### **Northeastern Area Association of State Foresters (NAASF)**

Secretary-Treasurer 1996-97, Vice President 1997-98, President 1998-99  
Chair of NAASF Review Team that authored "A Review of State and Private Forestry Programs in the USDA Forest Service, Northeastern Area – 1999."

### **Purdue University**

Adjunct Professor of Forestry, 1997-Present (annually serve on MS and Ph.D. committees)  
Hardwood Tree Improvement & Regeneration Center Coordinating Committee & Chair of External Advisory Committee, 1999-2005  
Natural Resources Leadership Development Institute, Steering Committee, 2002-07  
College of Agriculture Dean's External Advisory Committee, 2004-07  
Published 50+ research papers and 70+ extension publications/articles while on Purdue faculty  
Participated in research and extension projects that generated more than \$500,000 in extramural funding while on Purdue faculty  
Co-chaired the National Extension Committee on Policy's Nonindustrial Private Forestlands Task Force 1984-85 which wrote the national report "Forest Resource Extension in the United States – A Mandate to Lead"  
Served on six USDA Cooperative State Research Service comprehensive forestry school reviews

### **Society of American Foresters**

Indiana SAF Continuing Education Committee Chair, 1981-90  
SAF National Committee on Educational Policies, 1987-90 & 1990-93  
Indiana SAF Chairman, 1990  
SAF National Study Committee on Occupational Competencies, 1992-94  
General Chairman, Society of American Foresters National Convention, Indianapolis, 1993  
Indiana SAF Nominations Committee Chair, 1995-2004

### **The Nature Conservancy**

Member, South American Sustainable Forestry Review Team (Brazil, Bolivia, Chile), 2005  
Invited Speaker, TNC's Forum "Forests: A Critical Part of the Climate Solution" presented "Forest Conservation and Indiana," Indianapolis, 2009

### **Other memberships**

Forest Guild  
Indiana Academy of Science  
Indiana Arborists Association (IAA)  
Indiana Forestry & Woodland Owners Association (IFWOA)  
Indiana Urban Forest Council (IUFC)  
International Society of Arboriculture (ISA)  
National Audubon Society  
Sycamore Land Trust  
The Nature Conservancy

### **Volunteer Experience:**

Lafayette (Indiana) Parks Task Force, member, 1996 (conducted review, wrote report for Mayor)  
Chair, Search Committee for Superintendent Lafayette Parks & Recreation Department, 1996  
Lafayette Tree Advisory Committee, Chairman 2001-04  
IHLA Forestry Committee, member 1995-2008  
Lafayette Tree Fund Board, member 1999-2006  
Hardwood Plywood & Veneer Association's Hardwood Forestry Fund Board 1999-present  
National Association of State Foresters Foundation Board, member 2004-present, President 2007 - present  
Bloomington Tree Commission, member 2005-2010

Sycamore Land Trust volunteer forester, 2007- present  
Indiana Urban Forest Council Board of Directors, member 2007-present, Vice President 2008-10, President 2010-12  
Arbor Day Foundation Tree Advisory Committee, 2008-present  
IFWOA Indiana Forestry Education Foundation, Life Trustee  
Alliance for Community Trees Board of Directors, member 2010-present  
Keep Indianapolis Beautiful Board of Directors, member 2011

**Awards and Honors:**

National Defense Education Act Fellowship, 1969-73  
Society of American Foresters Technology Transfer and Extension Award, 1985  
Co-chair Indiana Governor's Conference on the Environment, 1994  
Indiana Society of American Foresters Meritorious Service Award, 1996  
Society of American Foresters Certified Forester, 1997-Present  
Society of American Foresters Fellow, 1998  
Purdue University Distinguished Agricultural Alumni Award, 2003  
Indiana Arborist Association Distinguished Service Award, 2004  
National Association of State Foresters, dedicated the "NASF Burney Fischer Current Achievement in Urban Forestry Award," 2006  
Indiana Urban Forest Council – Government Entity Award for Promoting Urban Forestry to IU-SPEA for the Development of an Urban Forest Management Course, 2007  
SPEA Undergraduate Teaching Award, 2008  
Indiana University Freshman Learning Project Fellow, 2008