

P. J. Lamberson

Center for the Study of Complex Systems
University of Michigan
321C West Hall
1085 S. University Avenue
Ann Arbor, MI 48109-1107

pjlamber@umich.edu
www.cscs.umich.edu/~pjlamber
T: (734) 615-4646
F: (734) 763-9267

Education and Positions

Visiting Assistant Professor, starting July 2008
System Dynamics Group, Department of Management Science
MIT Sloan School of Management

Postdoctoral Research Fellow, May 2006 - present
Center for the Study of Complex Systems, University of Michigan

Doctor of Philosophy, Mathematics, Columbia University, May 2006

Master of Philosophy, Mathematics, Columbia University, February 2005

Master of Arts, Mathematics, Columbia University, February 2003

Bachelor of Arts, Mathematics, The University of Chicago, June 2001
with *Honors in Mathematics* and *Honors in the College*

Publications

Lamberson, P. J., "The Milnor Fiber Conjecture and Iterated Branched Cyclic Covers," (Ph.D. thesis), *Transactions of the American Mathematical Society*, forthcoming.

Wildhaber, Mark L. and P. J. Lamberson, "Importance of the Habitat Choice Behavior Assumed when Modeling the Effects of Food and Temperature on Fish Populations," *Ecological Modelling*, 2004, 175(4), 395-409.

Wildhaber, Mark L., P. J. Lamberson and David L. Galat, "A Comparison of Measures of Riverbed Form for Evaluating Distributions of Benthic Fishes," *North American Journal of Fisheries Management*, 2003, 23, 543-557.
(nominated for *Best Paper of 2003* by the American Fisheries Society)

Lamberson, William R., P. J. Lamberson and Laura L. Melton, "A Relationship-based Algorithm for Identifying Genetically Diverse Subpopulations," *Proceedings of the 7th World Congress on Genetics Applied to Livestock Production*, 2002, 28, 24-26.

Wildhaber, Mark L., Vernon M. Tabor, JoAnne E. Whitaker, Ann L. Allert, Daniel W. Mulhern, P. J. Lamberson, and Kenneth L. Powell, "Ictalurid Populations in Relation to the Presence of a Main-stem Reservoir in a Midwestern Warmwater Stream with Emphasis on the Threatened Neosho Madtom," *Transactions of the American Fisheries Society*, 2000, 129, 1264-1280.

Under Review and Circulating

Lamberson, P. J., "Superstars and Long Tails: The Consequences of Localized Increasing Returns," under review.

Lamberson, P. J. and Scott E. Page, "Long Term Efficiency and Short Term Lock-in: Market Predictability with Positive Feedbacks," under review.

Breck, James E., Carl P. Simon, Edward S. Rutherford, P. J. Lamberson, Bobbi S. Low and David Swank, "When to Mature? New Answers from life history theory with applications to Great Lakes salmonids."

Lamberson, P. J., "The Bass Diffusion Model Applied to Hybrid Electric Vehicles," internal paper for Ford Motor Company, 2006.

Teaching

Complex Systems Models in the Social Sciences, Co-instructor, Inter-University Consortium for Political and Social Research (ICPSR) Summer Program in Quantitative Methods of Social Research, University of Michigan, Summer 2007
Sustainable Strategies: Systems Thinking for Business and Organizations, Co-instructor, Ross School of Business, University of Michigan, Spring 2007
Calculus II, Instructor, Columbia University, Summer 2002, Summer 2005
Calculus I, WebWork Coordinator, Columbia University, Fall 2005
Calculus I, Teaching Assistant, Columbia University, Spring 2003, Fall 2005
Modern Geometry Graduate Course, Roundtable Leader, Columbia University, 2004-2005
VIGRE Summer Research Experience for Undergraduates, Project Leader, Columbia University, Summer 2004
Calculus I, Instructor, Columbia University, Summer 2003, Summer 2004
College Algebra and Analytic Geometry, Instructor, Columbia University, Fall 2003, Spring 2004
Algebraic Topology Graduate Course, Roundtable Leader, Columbia University, 2002-2003

**Fellowships,
Grants and
Memberships**

American Economic Association, 2008-present
Academy of Management, 2007-present
The Royal Economic Society, 2007-present
Columbia University Faculty Fellow, 2001-2006
American Mathematical Society, 2001-2006
Columbia University Mathematics Department Summer Research Grant, 2004
Carl B. Boyer Memorial Fellowship, 2003-2004
Phi Beta Kappa, initiated 2001
Sigma Xi, initiated 2001

Invited Talks

Energy and the Social Sciences: Challenges and Opportunities, University of Michigan, Ann Arbor, Michigan, 2008.

Complex Systems Advanced Academic Workshop, University of Michigan, Ann Arbor, Michigan, 2007.

Business Analytics and Infotronics Department Seminar, Ford Motor Company Research and Advanced Engineering, Dearborn, Michigan, 2007.

Competitive Strategies in Complex Systems, presented by the Santa Fe Institute, Alidade Incorporated and the US Navy Strategic Studies Group, Newport, Rhode Island, 2006.

Business Network and Board of Trustees Symposium, Santa Fe Institute, Santa Fe, New Mexico, 2006.
Featured in "The Many Facets of Infectivity," by Lesley S. King, *SFI Bulletin*, 2007, 22(1).

Mathematics Department Seminar, Universidad de Zaragoza, Zaragoza, Spain, 2005.

Mathematics Department Seminar, Universidad Complutense de Madrid, Madrid, Spain, 2005.

Columbia Geometric Topology Seminar, Columbia University, New York, New York, 2005.

Columbia Geometric Topology Seminar, Columbia University, New York, New York, 2005.

CERC Seminar, USGS Columbia Environmental Research Center, Columbia, Missouri, 1998.

Service Complex Systems Seminar and Reading Group, Co-organizer, Fall 2006
Columbia Geometric Topology Seminar, Co-organizer, Fall 2005
Columbia University Graduate Student Advisory Council, Social Chair, 2003-2004
Columbia University Graduate Student Advisory Council, Representative, 2001-2004

Related Experience *Research Assistant*
United States Geological Survey, Columbia Environmental Research Center
Columbia, Missouri, Summers 1997 – 2000
Modeling, computer programming, statistics and field research

Additional Skills Proficiency in R, SAS, C++, NetLogo, STELLA and Mathematica