

KEVIN M. JOHNSTON

EDUCATION

Yale University. Department of Forestry and Environmental Sciences. Ph.D. candidate, September 1993 – present, Completion 2007.

Yale University. Department of Forestry and Environmental Sciences. Earned masters degree, May 1995.

Harvard University. Graduate School of Design. Earned M.L.A. (master's degree in landscape architecture) with distinction, June 1986.

University of Connecticut, Storrs. School of Education. Earned B.S. degree in recreation resource management with distinction, May 1979.

EMPLOYMENT: Industry

Product Division, Environmental Systems Research Institute (ESRI), Redlands, CA.

Product Engineer, August 1990 to present.

- Help develop ArcGIS software from design to implementation. Specialties include GRID, Spatial Analyst, Geostatistical Analyst, Agent Analyst, and Dynamic Simulation in the Geoprocessing environment.

Marketing, Prime/Wild GIS, Inc., Natick, MA.

Head of Worldwide Market Development, July 1989 to July 1990.

- Developed product and business strategies and managed the product specifications for the System 9 GIS

Product Manager of System 9 GIS, March 1989 to July 1989.

- Developed GIS product strategy for Prime/Wild GIS, and designed and prioritized requirements for System 9 GIS.

-

Industry Marketing, Prime Computer, Inc., Natick, MA.

Product Planning Consultant in Geoprocessing, December 1989 to March 1989.

Application Software Specialist in GIS, May 1986 to December 1989.

- Helped formulate the geoprocessing strategy at Prime, specializing in the integration of multi-technologies.

EMPLOYMENT: Academic

Graduate School of Design, Harvard University.

Visiting Instructor/Consultant, Advanced Landscape Architecture Design Studio: Utopia, Spring 1988.

Assisted with GIS related analysis and developed GIS evaluation models.

Department of Conservation Biology; Sterling College, Craftsbury, Vermont.

Adjunct Professor 2005 - 2007.

Teach introduction and advanced courses in Geographic Information Systems.

Department of Environmental Studies; Johnson State College, University of Vermont.

Adjunct Professor 2007.

Teach Introduction to Geographic Information Systems.

PUBLICATIONS (a sampling)

Catherine E. Burns, Kevin M. Johnston, and Oswald Schmitz, 2003. *Global climate change and mammalian species diversity in U.S. national parks*, Proceedings of the National Academy of Science. 100(20): 11474-11477.

Oswald J. Schmitz, Eric Post, Catherine Burns, and Kevin M. Johnston, 2003. *Ecosystem Responses to Global Climate Change: Moving Beyond Color-Mapping*, BioScience. 53(12): 1199-1205.

Kevin M. Johnston, Jay Ver Hoef, Konstantin Krivoruchko, and Neil Lucas. Using the Geostatistical Analyst, 2001. ESRI Press.

Jill McCoy and Kevin M. Johnston. Using the Spatial Analyst, 2001. ESRI Press.

Kevin M. Johnston and Oswald J. Schmitz, 1997. *Wildlife and climate change: assessing the sensitivity of selected species to simulated doubling of atmospheric CO₂*, Global Change Biology, 3, 531-544.

Kevin M. Johnston, 1992. *Using Statistical Regression Analysis to Build Three Prototype GIS Wildlife Models*, Technical Papers, Vol. 1, November, GIS/LIS Conference, San Jose, CA.

C. Dana Tomlin and Kevin M. Johnston, 1990. *The ORPHEUS Land-use Allocation Model*, Ch 11 in Introductory Readings in Geographic Information Systems. Edited by Donna J. Peuquet and Duane F. Marble. Taylor & Frances.

Kevin M. Johnston, 1990. *Geoprocessing and Geographic Information Systems Hardware and Software: Looking Toward the 1990's*, Ch. 2. Geographic Information Systems and Urban Regional Planning. Edited by Henk J. Scholten and John C. H. Stillwell. Dordrecht, Netherlands: Kluwer Academic Publishers B.V..

Bruce Milne, Kevin M. Johnston, and Richard T.T. Forman, 1988. *Scale-Dependent Proximity of Wildlife Habitat in a Spatially Neutral Bayesian Model*, Landscape Ecology Journal..

Kevin M. Johnston, 1987. *Natural Resource Modeling in the Geographic Information System*, Photogrammetric Engineering and Remote Sensing Journal.