

DOUGLAS M. JOHNSTON

Professor and Interim Director, Landscape Architecture

Professor and Interim Director, Community and Regional Planning

Interim Associate Dean for Research and Graduate Programs

College of Design

Iowa State University of Science and Technology

A. Educational Background

- 1979 B.S. in Environmental Studies (Magna Cum Laude), State University of New York College of Environmental Science and Forestry
- 1980 Bachelor of Landscape Architecture (Magna Cum Laude), State University of New York College of Environmental Science and Forestry
- 1982 Master of Landscape Architecture, Harvard University, Graduate School of Design
- 1986 Ph.D., Civil and Environmental Engineering, University of Washington, College of Engineering

B. List of Academic Positions since Final Degree

- 1986 – 1991 Assistant Professor, Department of Landscape Architecture, College of Fine and Applied Arts, University of Illinois at Urbana-Champaign
- 1990 – 2001 Director, Geographic Modeling Systems Laboratory, University of Illinois at Urbana-Champaign
- 1991 – 2007 Associate Professor, Department of Landscape Architecture, College of Fine and Applied Arts, University of Illinois at Urbana-Champaign
- 1992 – 2007 Affiliate, Department of Urban and Regional Planning, College of Fine and Applied Arts, University of Illinois at Urbana-Champaign
- 1994 – 2007 Affiliate, Associate Professor, Department of Geography, College of Liberal Arts and Sciences, University of Illinois at Urbana-Champaign
- 1994 – 2007 Senior Research Scientist, National Center for Supercomputing Applications, University of Illinois at Urbana-Champaign
- 2007 Professor, Department of Landscape Architecture, College of Fine and Applied Arts, University of Illinois at Urbana-Champaign
- 2007 – 2010 Professor and Chair, Department of Community and Regional Planning, Department of Landscape Architecture, College of Design, Iowa State University.

C. Other Professional Employment

- 1993-1994: Visiting Associate Professor, U.S. Army Construction Engineering Research Labs, Environmental Laboratory. *Full year half time sabbatical appointment working on geographic information system interfaces based on ongoing work with Corps of Engineers. Founded the UI Geographic Modeling Systems lab, an inter-departmental, inter-college facility for geographic information science.*
- 2001 – Visiting Research Scientist. CEMAGREF, Hydrology and Hydraulics Unit, Lyon, France. *Invited by CEMAGREF (French Ministry of Environment, Agricultural and Environmental Research Center) director to spend sabbatical with researchers on interface standards for GIS/flood management systems.*

D. Honors, Recognitions, and Outstanding Achievements Since 1990

- 1994 Director's Award for Distinguished Public Service. U.S. Army Construction Engineering Research Lab.
- 1994 Director's Award for Distinguished Partnering in Public Service (Departments of Landscape Architecture, Anthropology, Geography, and Urban and Regional Planning) U. S. Army Construction Engineering Research Lab.
- 1994 Design Honor Award for "The Worker's Garden" (D.M. Johnston and T. Harkness). American Society of Landscape Architects, Illinois Chapter.
- 1994 The Arnold O. Beckman Research Award for "Nature Reconstructed: Ecology, Context, Design, and its Interpretation" (D.M. Johnston and T. Harkness). University of Illinois at Urbana-Champaign.
- 1999 National ASLA Merit Award for "EcoRevelatory Design Exhibition and Catalog" (B. Brown, T. Harkness, and D.M. Johnston, Co-Investigators). American Society of Landscape Architects.

E. Invited Lectures and Invited Conference Presentations Since 2000 (Selected)

- 2000 "Database Management Issues". **National Science Foundation Workshop on Distributed Databases for Biodiversity Information.** Ft. Collins Colorado.

- 2000 “Computing and Communications”. **Federal Workshop on Decision Support Systems for Place-Based Decision Making**. Denver, Colorado.
- 2000 “Putting Technology and Partnerships to Use: A University Perspective.” Plenary Session. **International Association of Fish and Wildlife Agencies Conference**. Indianapolis, Indiana. September, 2000
- 2000 “GIS Information Integration – Prototype Environments.” **Federal Crisis Management Consortium**. Washington D.C.
- 2001 “Recent Work.” **GIS Research Colloquium- INRA/CEMAGREF**. , Montpellier, France.
- 2001 “Environmental Modeling: GIS as an Integrating Tool and Prospective Software Environment.” **Ecole Centrale de Lyon**. Lyon, France.
- 2003 “Strategic Restoration of Large Floodplain Rivers.” **Harvard University**, Cambridge MA.
- 2005 “Green Landscapes: Exogenous Economic Benefits of Environmental Improvement” **Places of Power: Economic and Political Driving Forces of Landscape Change**. Chicago, IL. Johnston, D., and J. Braden.

H. Selected Grants and Contracts Received Since 2000

- 1999- Johnstone, D.M. and Curtis, D. “The Mississippi RiverWeb Museum Consortium.”
- 2003 National Science Foundation, Informal Science Education Program. (UIUC Principal Investigator since 2000.) \$672,272 (UIUC)
- 2000- Sparks, R., J. Braden, M. Demissie, A. Isserman, D. Johnston Z. Nedovik-Budic, D.
- 2003 Schneider , D. White. “Strategic Renewal of Large Floodplain Rivers.” National Science Foundation and U.S. Environmental Protection Agency. \$819,560.
- 2002 Braden, J., and D. Johnston. “The Downstream Economic Benefits of Stormwater Retention.” Sub-contract from Conservation Research Institute from the U.S. Environmental Protection Agency. EPA Award: \$55,000.
- 2005 Johnston, D.M. and M. Calkins. “Cross-National Comparison of Sustainable Design Practices.” \$14,900. Wadsworth Fund, University of Illinois.
- 2005 Johnston, D.M. “Scaling Effects of Conservation Design Best Management Practices.” University of Illinois Research Board. \$6,292.
- 2009 Borich, T., F. Owusu, D. Johnston, D. Swenson, C. Basmajian. Iowa Housing Needs Assessment. Iowa Finance Authority. \$25,000
- 2009 Johnston, D., M. Haddad, C. Basmajian. Iowa Economic Research and Analysis System. Iowa Department of Economic Development. \$87,000
- 2011 Johnston, D.M. Des Moines Area Metropolitan Planning Organization. Research in Support of Des Moines Region Sustainable Planning. \$110,000.

C. Books Edited or Co-Edited

- 2007 J.L. Wescoat Jr. and D.M. Johnston, ed. 2007. Places of Power: Economic and Political Driving Forces of Landscape Change, Springer Publishing (Neth.).

D. Chapters in Books

- 2001 Poole, K., S. Galatowitsch, R. Grese, D. Johnston, J.T. Keller, D. Richey, L. Skabelund, C. Steinitz, and J. Woodward. 2001 “Building Ecological Understandings in Design Studio: A Repertoire for a Well-Crafted Learning Experience.” In, Ecology and Design: Frameworks for Learning. Edited by Bart Johnson and Kristina Hill. Island Press.
- 2007 D.M. Johnston and J.B. Braden. 2007. “Green Greens: Economic Impacts of Environmental Improvement.” In J.L. Wescoat Jr. and D.M. Johnston, ed. Places of Power: Economic and Political Driving Forces of Landscape Change, Springer Publishing.
- 2007 D.M. Johnston and J.L. Wescoat, Jr. 2007. “Implications for Future Landscape Inquiry, Planning, and Design.” In J.L. Wescoat Jr. and D.M. Johnston, ed. Places of Power: Economic and Political Driving Forces of Landscape Change, Springer Publishing.
- 2009 D.M. Johnston. 2009. “Watershed Based Flood Management” In Cornelia Mutel, ed. A Watershed Year: Anatomy of the Iowa Floods of 2008.