Stephen M Ervin, MLA, PhD, FASLA
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Current Position:
    Assistant Dean for Information Technology,
    Director of Computer Resources,
    Lecturer in Landscape Architecture,
    Harvard University Graduate School of Design

Academic Appointment:
- 1997-present: Lecturer, Department of Landscape Architecture, Harvard GSD
- 1994-96 Associate Professor, Department of Landscape Architecture, GSD
- 1989-94 Assistant Professor, Department of Landscape Architecture, GSD

Other Academic/Administrative Experience:
    Co-Chair, Harvard Digital Video Steering Committee, 2011- present
    Chair, Technical Advisory Committee, Harvard University Center for Geographic
    Analysis, 2006 – present
    Chair, H.T. Fisher Prize Committee, Harvard GSD 2005-2011

Education:
- 1989 Ph.D., Dept. of Urban Studies and Planning, Massachusetts Institute of Technology; Ph.D. Thesis Title: "Structure and Function of Diagrams in Environmental Design: A Computational Model"
- 1981 MLA, University of Massachusetts at Amherst
- 1972-74 Boston Architectural Center

Books and Publications
- Editor, JoDLA: Journal of Digital Landscape Architecture, Wichmann

- 2017 "Responsive Landscapes", Editorial, in *JoDLA 2-2017: Journal of Digital Landscape Architecture,* Wichmann
- 2017 "Technology in Geodesign", *in Landscape and Urban Planning* Volume 156, Pages 1-128 (December 2016)
- 2017 "Geodesign", in Kitchin, Rob, Tracey Lauriault, and Matthew W. Wilson, eds, *Understanding Spatial Media*. Thousand Oaks, CA: SAGE Inc.
- 2016 "Cybernetic Design Cycles", *JoDLA1-2016: Journal of Digital Landscape Architecture*
- 2015 Buhmann/Ervin/Pietsch (Eds.) *Proceedings, Digital Landscape Architecture 2015*, Wichmann
- 2015 "Geodesign Research", in *Proceedings, Digital Landscape Architecture 2015,* Wichmann
- 2014 Buhmann/Ervin/Pietsch (Eds.) *Proceedings, Digital Landscape Architecture 2014*, Wichmann
- 2014 "BioComplexity, Systems Thinking, and Multi-Scale Dynamic Simulation: Foundations of Geodesign", in *Proceedings, Digital Landscape Architecture 2014,* Wichmann

• 2013 *Qinglonghu: Foothill Strategy*, with Yu Kongian , and Adrian Blackwell
• 2012 Li, Ervin, M. Flaxman, Goodchild, Steinitz., "Design and application of an ontology for Geodesign".; In *Proceedings of Revue Internationale de Géomatique*. 2012, 145-168.
• 2012 Buhmann/Ervin/Pietsch (Eds.) *Proceedings, Digital Landscape Architecture 2012*, Wichmann
• 2012 "Geodesign Futures, nearly 50 Predictions", in *Proceedings, Digital Landscape Architecture* 2012, Wichmann
• 2011 *Landscape and Ecological Urbanism \in China: Taihu Prospects*, with Yu Kongian , Mark Mulligan and Peter Rowe
• 2011 "A System for Geodesign", in *Proceedings, Digital Landscape Architecture* 2012, Wichmann
• 2010 *Landscape and Ecological Urbanism Alternatives for Sujiatuo, Beijing*, with Yu Kongian and Jane Hutton
• 2006 Foreword to *Visualization of Digital Terrain and Landscape Data: A Manual*, by Ruediger Mach and Peter Petschek, Springer, 2006.
• 2005 Foreword to *Visualization in Landscape and Environmental Planning*, by Ian Bishop and Eckart Lange, Taylor & Francis, 2005.
• 2003 "Digital Landscape visibility computation: necessary but not sufficient", with Carl Steinitz, in Environment and Planning B, Planning and Design, Volume 30.
• 2003 *Trends in Landscape Modeling : Proceedings at Anhalt University of Applied Sciences 2003,* Buhmann/Ervin eds., Herbert Wichtmann Verlag, Heidelberg.
• 2001 *Landscape Modeling: Digital Techniques for Landscape Visualization* with Hope Hasbrouck, McGraw-Hill, 2001.
• 2001 "Digital Landscape Modeling and Visualization: A Research Agenda", in Landscape and Urban Planning, May 2001.

Recent Invited Lectures:

• 2017 Invited keynote address, "Responsive Landscapes, DLA2017, Bernburg, Germany
• 2016 Invited keynote address, "A City is Not a Tree, But…", New Urbanization Panel, Beijing Forum, Beijing, China
• 2015 Invited keynote address, "Assuring Urban Quality: Systems, Synthesis and Citizens", New Urbanization Panel, Beijing Forum, Beijing, China
• 2015 Invited keynote address, "GeoDesign Research", Digital Landscape Architecture Conference, Dessau, Germany
• 2015 Invited keynote address, "Design Cycles", Digital Landscape Architecture Conference, Nanjing, China
• 2015 Invited keynote address, "GeoDesign Research", GeoDesign Summit ESRI, Redlands, California
• 2013 Invited keynote address, "A System for GeoDesign", Peking University , Beijing, China
• 2012 Invited address, "An Inclination towards GeoDesign", ESRI, User's Conference, San Diego, California
• 2012 Invited address, "GeoDesign Futures", GeoDesign Summit ESRI, Redlands, California

• 2011 Invited keynote address, "A System for GeoDesign", Digital Landscape Architecture Conference, Dessau, Germany
• 2011 Invited Flash Talk, "Object-Oriented GeoDesign", GeoDesign Summit ESRI, Redlands, California
    http://video.esri.com/watch/195/2011-geodesign-summit-stephen-ervin-object-oriented-geodesign
• 2009 Invited Flash Talk, "On the Necessity of Diagrams in Design", GeoDesign Summit ESRI, Redlands, California
    http://video.arcgis.com/watch/55/2010-geodesign-summit-stephen-ervin-on-the-necessity-of-diagrams
• 2008 Invited address, "To what extent can the fundamental spatial concepts of design be addressed with GIS?", UCSB Spatial Thinking, Santa Barbara
    http://ncgia.ucsb.edu/projects/scdg/docs/present/Ervin-presentation.pdf
• 2008 Invited Keynote address, "Ten Heroes of Environmental Design", Chinese Landscape Architecture Conference, Beijing China
• 2007 Invited keynote address, "Land-Tech-Scape-Nology", Imagina 3D Visualization Conference 2007, Monte Carlo, Monaco
• 2006 "Meta-Models", Knowledge Based Landscape Modeling Conference, Anhalt University, Dessau, Germany
• 2004 Invited address, ESRI Users Conference, "Knowledge-Based GIS", San Diego, California
• 2003 "Landscape Modeling: Rocks, Trees, Rivers", ASLA Annual Meeting, New Orleans, LA

Honors and Awards:
    • 2012, Lifetime Achievement Award for Contributions to Geodesign, ESRI
    • 2005, Fellow of the American Society of Landscape Architects (FASLA)
    • 2003, University of Massachusetts at Amherst, Distinguished Alumnus
    • 2002, "Landscape Modeling": Merit Award, American Society of Landscape Architects