

Kristen S. Kurland

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WORK EXPERIENCE

Teaching Professor of Architecture, Information Systems, and Public Policy Carnegie Mellon University H. John Heinz III College/School of Architecture Pittsburgh, PA	1999 - Present
President Computer Technical Services Pittsburgh, PA	1992 - Present
Adjunct Assistant Professor Carnegie Mellon University H. John Heinz III School of Public Policy and Management/School of Architecture Pittsburgh, PA	1994-1999
Instructor Computer Research, Inc. Coraopolis, PA	1989 - 1992
Designer Galt Industries/HOOGO VENS U.S.A. Pittsburgh, PA and Ijmuiden, Netherlands	1988 – 1989
Architectural Intern ARTHUR LUBETZ ASSOCIATES Pittsburgh, PA	1988

ACADEMIC and PROFESSIONAL AFFILIATIONS

- Andrew Carnegie Society –Past President, Carnegie Mellon University (2016-present)
- Andrew Carnegie Society, Executive Board, Carnegie Mellon University (2010-present)
- Board of Trustees, Carnegie Mellon University (2014-2016)
- Andrew Carnegie Society –President, Carnegie Mellon University (2014-2016)
- Urban and Regional Information Systems Association, Central Appalachian Chapter, Past President (2000)
- Greater Pittsburgh ARCHIBUS/FM Users Group

EDUCATION

University of Pittsburgh - Bachelor of Arts, Architectural Studies
1989

PUBLISHED BOOKS

- *Chapter 5: Geographic Information Systems in Health, Public Health Intelligence: Issues of Measure and Method*, Krishna Regmi and Ivan Gee (Editors), (2016)
- *GISTutorial 1 : Basic Workbook Sixth Edition*, with Wil Gorr, Esri Press, (2016)

- *GISTutorial for Health, Fifth Edition*, with Wil Gorr, Esri Press, (2014)
- *GIS Tutorial for Crime Analysis*, with Wil Gorr, Esri Press, (2011)
- *Learning and Using GIS: ArcGIS Edition*, with Wil Gorr, Thomson Learning: Course Technology, (2006)
- *Learning and Using GIS: ArcExplorer Edition*, with Wil Gorr, Thomson Learning: Course Technology, (2005)

PUBLICATIONS, PROCEEDINGS, and PROFESSIONAL REPORTS

- “3D and Spatial Analysis for Smart and Healthy Cities”, JoDLA, Journal of Digital Landscape Architecture, 2-2017
- “Proximity to a Major Road and Plasma Cytokines in School-Aged Children”
Franziska Rosser, Erick Forno, John Brehm, Yueh-Ying Han, Nadia Boutaoui, Edna Acosta-Pérez, Kristen S. Kurland, John F. Alcorn, Glorisa Canino, Juan C. Celedón, Pediatric Allergy, Immunology, and Pulmonology 08/2016; DOI:10.1089/ped.2016.0649
- “Proximity to a major roadway, vitamin D insufficiency and severe asthma exacerbations in Puerto Rican children”, Rosser F, Brehm JM, Forno E, Acosta-Pérez E, Kurland K, Canino G, Celedón JC. , *Am J Respir Crit Care Med*. 2014 Nov 15;190(10):1190-1193. No abstract available. PMID: 25398111
- “Accuracy of Prehospital Transport Time Estimation” David J. Wallace, MD, MPH, Jeremy M. Kahn, MD, MSc, Derek C. Angus, MD, MPH, Christian Martin-Gill, MD, MPH, Clifton W. Callaway, MD, PhD, Thomas D. Rea, MD, MPH, Jagpreet Chhatwal, PhD, Kristen Kurland, and Christopher W. Seymour, MD, MSc, *ACADEMIC EMERGENCY MEDICINE 2014; 21:9–16* © 2013 by the Society for Academic Emergency Medicine
- Chapter reviewer for “Liberation Science: Putting Science to Work for Social and Environmental Justice”, Emerman, S.H., M. Bjørnerud, J.S. Schneiderman, and S.A. Levy (eds.). (Chapter 6: "Public Participation and Spatial Information" by Dr. Shalini P. Vajjhala, Fellow, Resources for the Future), University of Arizona Press, January 6, 2012
- “Pediatric Craniofacial Fractures Due to Violence: Comparing Violent and Nonviolent Mechanisms of Injury”, Alexander F. Mericli, MD,* Gary E. DeCesare, MD, P Noel S. Zuckerbraun, MD, MPH,†, Kristen S. Kurland, BA,§ Lorelei Grunwaldt, MD, P Lisa Vecchione, DMD, MDS, P and Joseph E. Losee, MD, FACS, FAAPP, *The Journal of Craniofacial Surgery* , Volume 22, Number 4, (July 2011)
- “Performing GIS mapping on San Antonio Military Pediatric Center (SAMPC) Pediatric Wellness Center Data”, UPMC, Department of Defense, December 2010
- “Examination of the built environment and prevalence of obesity: neighborhood characteristics, food purchasing venues, green space and distribution of Body Mass Index” with Dubowitz T, Osypuk T., chapter in S. Babones (ed.), *Social Inequality and Public Health* (2009)
- Chapter 3: “CAD/GIS Integration: Rationale and Challenges,” by Omer Akin with a contribution from Kristen Kurland, in *CAD/GIS Integration: Existing and Emerging Solutions* Co-Eds Hassan Karimi and Burcu Akinci, Taylor & Francis, CRC Press, December 2009
- “Application of Geographic Information Systems (GIS) Mapping in a Pediatric Obesity Center”, with Tamara S Hannon, MD, Goutham Rao, MD, Dana Rofey, PhD, Fida Bacha, MD, Ingrid M Libman, MD PhD, and Silva Arslanian, MD Weight Management & Wellness Center (WMWC), Children's Hospital of Pittsburgh and Carnegie Mellon University, Pittsburgh, PA, USA, *Pediatric Academic Societies Conference*, (2008)
- “Evaluating the Relationship of All-Terrain Vehicle (ATV) Motocross Tracks and Pediatric Injury Using Geographic Information Systems,” with Sohail R. Shah, MD , Noel Zuckerbraun, MD , Kathy Gismondi , Christine J. McKenna, MSN , Marianne Miller, BS, Barbara Gaines, MD , and Jeffrey S. Upperman, MD., abstract and oral presentation, *American Academy of Pediatrics National Conference and Exhibition*, (2006)
- “Application of a Geographic Information System (GIS) to Identify Neighborhoods at High Risk for Severe Pediatric Pedestrian Injuries and the Relation to Green Space Density.” with NS Zuckerbraun, T Songer, K Gismondi and BA Gaines, abstract and poster presentation, *Pediatric Academic Societies Annual Meeting Abstracts, Pediatric Research*, (April 2006)
- “Geographic Information Systems (GIS)”, *Pennsylvania Public Health Association (on-line news issue)*, (Fall 2006)
- “How Physician Executives Can Use Geographic Information Systems (GIS)”, *American College of Physician Executives*, vol. 2, no1., (January 2005)

- Architecture and Engineering, Guest Editor, *Pittsburgh Engineer Magazine*, pages 2-11 (Spring 2004 Edition)
- “Curriculum Development for a New Class in Advanced Visualization of Urban Systems and Infrastructures”, (with Ramesh Krishnamurti and Luis Rico-Gutierrez, Steinbrenner Institute for Environmental Education and Research, (Spring 2004)
- “Businesses see importance of facilities management training”, *Pittsburgh Business Times (online edition)*, contributing editor, (Fall 2003)
- “Going Back to School: Doctors Learn about Infrastructure Issues”, *Health Facilities Management*, contributing editor, (August 2002)
- “Legal Aid GIS”, with George Tita, University of California Irvine: GIS training publication for Legal Aid Society of North America/Legal Services Corporation, (2003)
- “NEELAM:A Networked Environment for Education Learning And More”, Carnegie Mellon University, (with Ramesh Krishnamurti and Luis Rico-Gutierrez), (Fall 2003)
- “Information Technology - That's Dr. CIO”, contributing editor, *Hospital and Health Networks*, 76 (9) : pages 18-20, (2002 September)

PRESENTATIONS and APPEARANCES

- Keynote talk, “3D and Spatial Analysis for Smart and Healthy Cities”, Digital Landscape Architecture Conference, Anhalt University Dessau , Bernburg Germany, June 10, 2017
- Keynote talk, “Smart Cities and Campus Innovation”, ARCHIBUS Nexus, Washington, D.C., May 1, 2017
- “GIS for Healthy Cities”, 2016 GeoDesign Forum, Philadelphia University, Philadelphia, PA October 10, 2016
- “Carnegie Mellon University Interdisciplinary Projects for Designing Health Communities”, Fox Chapel Rotary, Fox Chapel, PA, August 21, 2016
- “Health Applications Using ArcGIS Pro”, ESRI Education Conference, San Diego California, June 2016
- “GIS Spatial Analysis”, Health 2.0: The Interconnection of Health and the Environment, Jewish Healthcare Foundation, Pittsburgh, PA, November 17, 2015
- “Spatial Data Analysis in Healthcare”, Reading Hospital, Reading, PA, November 16, 2015
- Guest lecturer, University of Pittsburgh, School of Health and Rehabilitation Sciences, Department of Sports Medicine and Nutrition, Pittsburgh, PA, December 2, 2015
- Guest lecturer, Carnegie Mellon University, Ecological Footprints course, School of Architecture, Pittsburgh, PA, September 2, 2015
- Keynote talk, “Collaborative 3D Model”, EnerGIS GITA Conference, Canonsburg, PA, May 19, 2015
- “3D Visualization for Healthy Cities”, Journee & Nuit de Numerique, 3D & Simulation Numerique, University Paris Descartes, Paris, France, March 26, 2015
- Faculty presenter, Odyssey Citizen Scholar Panel, Carnegie Mellon University, January 9, 2015
- Place Matters: GIS Mapping in Healthcare, University of Pittsburgh Medical Center Medical Grand Rounds, June 13, 2014
- "Crossing Boundaries: GIS Mapping for Healthy Communities and the Built Environment", Carnegie Mellon University, Doha, Qatar, April 2, 2014
- Guest Lecture, Mapping Urbanism course, Carnegie Mellon University, Doha, Qatar, March 31, 2014
- “Spatial Epidemiology: Beyond John Snow / GIS in Healthcare: Emerging Tools and Technologies", University of Pittsburgh, Urban & Regional Analysis program, University Center for Social and Urban Research, February 28, 2014
- “Research into Practice: Health and Wellness for Ourselves and for Our Community”, Panelist, Exploring Health Discovering Wellness Inauguration event, Carnegie Mellon University, February 21, 2014
- Faculty presenter, Odyssey Citizen Scholar Panel, Carnegie Mellon University, January 10, 2014
- Guest lecturer, University of Pittsburgh, School of Health and Rehabilitation Sciences, Department of Sports Medicine and Nutrition, Pittsburgh, PA, November 18, 2013

- Guest lecturer, Carnegie Mellon University, Ecological Footprints course, School of Architecture, Pittsburgh, PA, October 7, 2013
- Guest lecturer, Carnegie Mellon University, Second Year Studio, School of Architecture, Pittsburgh, PA, September 20, 2013
- Healthcare Faculty Panel, Heinz College Healthcare Club, September 20, 2014
- Keynote Talk: “Spatial Analysis (GIS Mapping) in Healthcare, University of Pittsburgh Medical Center, Enterprise Analytics NOW Conference, Pittsburgh PA, June 20, 2013
- Luncheon Plenary Talk: “Emerging GIS Technologies and Users in Healthcare”, Pennsylvania GIS 21st Annual Conference, State College, PA, June 5 2013
- Keynote Talk: “Data, Data everywhere, but is there an app worth using? The rise of ‘Open Data’, ‘Big Data’ and ‘the New App Economy””, National Association of Counties 2013 Legislative Conference, Health Steering Committee, Washington D.C. March 3, 2013
- “Applied GIS from Health and Other Areas that Impact Local Government Services”, National Association of Counties 2013 Legislative Conference, Geospatial Information Systems Subcommittee, Washington D.C. March 3, 2013
- “Telling Compelling Stories with Your GIS”, Panel moderator, Esri Health Conference Scottsdale, AZ, August 21, 2012
- “GIS Impact on Local (County) Government Services”, National Association of Counties, Pittsburgh, PA, July 14, 2012
- Heinz College, MSIT Healthcare Panel, Carnegie Mellon University, Pittsburgh, PA, June 8, 2012
- “GIS Mapping: Turning NYC Food Desserts into Fresh Oases”, NYCEN (New York City Nutrition Education Network) , March 16, 2011
- NYC Department of Health, GIS Day Discussant, November 29, 2010
- “Effective Use of Technology by Faculty Members”, CMU Eberly Center, Pittsburgh, PA November 16, 2010
- Heinz College HCPM IT Panel, Carnegie Mellon University, Pittsburgh, PA, October 21, 2010
- Keynote Talk, “GIS and HEALTH: Applications to Promote and Support Healthy Communities”, Surveying and Spatial Sciences Institute Biennial International Conference, Adelaide Australia, October 2009
- “Technology, Health, and the Built Environment”, Adelaide Department of Planning, and Local Government, Adelaide Australia, September 2009
- “ArcGIS for Advanced Analysis”, Centers for Disease Control, Analysis-Visualization-Reporting Webinar, March 2009
- “GIS for Health and the Built Environment”, Chatham University, Pittsburgh, PA, November 2008
- “GIS for All Health Organizations”, Preconference Workshop: Environmental Systems Research Institute Health GIS Conference, Washington, D.C., October 2008
- “Using The Web To Cover Healthcare”, Online News Association Annual Conference, Washington, D.C., September 2008
- “Applications of GIS for Health Policy Research and Analysis”, Department for Families & Communities, Adelaide, Australia, September 2008
- “Application of Geographic Information Systems (GIS) Mapping in a Pediatric Obesity Center”, Pediatric Academic Societies, Poster Presentation, Honolulu, Hawaii, May 2008
- “The Human Layer: Solving Public Health Problems Using GIS”, Connected Urban Development Global Conference, Cisco, San Francisco, CA, February 2008
- “Obesity Research”, Washington Post, Washington, DC, February 2008
- “Executive Overview of GIS for Health Organizations”, Preconference Workshop: Environmental Systems Research Institute Health GIS Conference, Scottsdale Arizona, October, 2007
- “Applications of GIS to Health Policy Research and Analysis”, RAND Corporation, Santa Monica California, September 2007
- Guest Speaker, New York City Department of Public Health, GIS Department, August 2007
- “GIS Tutorials: A Lesson in Teaching with GIS”, author’s panel, Environmental Systems Research Institute, Inc. – 27th International User Conference, San Diego California (June 2007)
- Ann Devlin Show, Night Talk, December 2006

- Pittsburgh Today LIVE, October 2006
- DUQ Radio, October 2006
- “Designing a Healthy Community”, Highmark Childhood Obesity Regional Strategy Bounce Event, September 2006
- “GIS Tutorial for Healthcare Organizations”, Environmental Systems Research Institute, Inc. - 26th International User Conference, Health Users Group, San Diego California August 2006
- “Spatial Teaching with GIS Tutorial”, Microcomputers in Education Conference, University of Arizona, Tempe, AZ, March 2006
- “Geographic Information Systems: Mapping Health, Trauma, and Injury Cases”, Trauma Conference, Children’s Hospital of Pittsburgh, November 2005
- “GIS in the Study and Prevention of Childhood Obesity”, Grand Rounds, St. Margaret’s Hospital, Pittsburgh PA, September 2005
- “GIS Tutorial Workshop”, Environmental Systems Research Institute, Inc. - Fifth Annual ESRI Education User Conference, San Diego California, July 2005
- “Working with GIS”, Legal Services Corporation – TIG Conference, Austin, TX, January 2005
- “GIS in the Study and Prevention of Childhood Obesity”, Highmark Childhood Obesity Regional Strategy Committee Meeting, March 2005
- “GIS in Legal Services”, Environmental Systems Research Institute, Inc. - Fourth Annual ESRI Education User Conference, San Diego California, July 2004
- “GIS in Legal Services”, 4th Annual Western PA GIS Conference, California PA, September 2004
- “Developing Educational GIS Materials”, Environmental Systems Research Institute, Inc. - Third Annual ESRI Education User Conference, San Diego California, July 2003
- “Developing Educational GIS Materials”, 4th Annual Western PA GIS Conference, California PA, September 2003
- “GIS Distance Education to Non-Traditional Users”, Environmental Systems Research Institute, Inc. - Second Annual ESRI Education User Conference, San Diego California, July 2002
- “GIS Technology To Link Youth and Workforce”, Environmental Systems Research Institute, Inc., First Annual ESRI Education User Conference, San Diego California, June 2001

SELF-PUBLISHED TEACHING MATERIALS

- *AutoCAD: 2D and 3D Tutorials and Videos*
- *Geographic Information Systems Video Lectures*
- *ARCHIBUS/FM Training Tutorials: Space Management, Asset Management, Telecommunications, Building Operations, Real Property and Lease Management, Core Applications*

COURSES TAUGHT

- Enterprise Data Analytics (Heinz College Master of Medical Management), October 2016-present
- HCPM Systems Synthesis (Clinical Pathways), client: Children’s Hospital of Pittsburgh (Spring 2016 and Spring 2017)
- HCPM Systems Synthesis (Discharge and Readmission Project), client: Children’s Hospital of Pittsburgh (Spring 2014 and Spring 2015)
- HCPM Systems Synthesis (Patient Handoffs), client: Children’s Hospital of Pittsburgh (Spring 2013)
- HCPM Systems Synthesis (Comprehensive Clinic Redesign Project), client: Children’s Hospital of Pittsburgh (Spring 2012)
- HCPM Systems Synthesis (Children with Special Health Care Needs Injury Prevention), client: Children’s Hospital of Pittsburgh (Spring 2011)
- HCPM Systems Synthesis (Team Up, Patient Transition), client: Children’s Hospital of Pittsburgh (Spring 2010)
- HCPM Systems Synthesis (Programmatic Space Plan), client: Children’s Hospital of Pittsburgh (Spring 2009)
- HCPM Systems Synthesis (Patient Empowerment), client: West Penn Allegheny Health System (Spring 2008)
- HCPM Systems Synthesis (Urban Senior Living), client: Presbyterian Senior Care (Spring 2007)

- GIS, Heinz School Adelaide Campus (Spring 2007, Fall 2008, Fall 2009, Summer 2010, Summer 2011, 2012, 2013, 2014)
- Advanced CAD/Building Information Modeling (BIM)/3D Visualization, School of Architecture (2006-present)
- Healthcare Geographic Information Systems, Heinz College (2005-present)
- Geographic Information Systems, Heinz College (1999-present)
- Geographic Information Systems Distance Course, Heinz College/MSIT (1999-present)
- Infrastructure Management, Heinz College, Master of Medical Management (1999-present)
- Systems Synthesis, Heinz College/School of Architecture Urban Lab (2002-2004)
- Advanced CAD/3D Studio MAX, School of Architecture (1999-2006)
- GIS/CAFM, School of Architecture (1999-present)
- Spatial Analysis in Infrastructure Planning, School of Architecture (2003- present)
- Special Topics, AutoCAD, CIT – Civil and Environmental Engineering, (1999-present)
- Knowledge Management in Infrastructure Planning, Heinz School (1999-2002)
- AutoCAD, School of Architecture (1995-1999)
- Computer Aided Facilities Management, Heinz School (1994-1999)

INDEPENDENT STUDIES

- *Bike Pittsburgh GIS, Lu Zhu (Spring 2017)*
- *Network Analysis Stroke Study, Terence Harrington (Spring 2017)*
- *Voting Percentages for Donald J. Trump - West Virginia by County Demographic Analysis, Molly Wilson, (Fall 2016)*
- *Lead Cases 2011-2014 Allegheny County, Pennsylvania Applied Geographic Information Systems for Healthy Homes, Sophie Riedel (Fall 2016)*
- *Advanced GIS for Healthcare, Kevin McGrady (Summer 2016)*
- *Assessing the Potential for Electric Vehicle Public Charging Infrastructure in Chicago, Syed Uzair Junaid (Spring 2015)*
- *An Ability to Use GIS in Managing and Supervising Construction Plans in Vietnam, Do Canh Dong Nguyen (Spring 2015)*
- *Discharge Lounge Redesign, Anuja SHiralkar (Spring 2015)*
- *Health Disparities Study, Mariamma Thomas (Spring 2015)*
- *GIS for Arts Management, Samantha Breske (Spring 2015)*
- *3D GIS and City Engine, Juan Castellanos (Spring 2015)*
- *Advanced GIS, Shalini Ramesh (Fall 2014)*
- *BIM Programming, Shalini Ramesh (Fall 2013)*
- *Advanced CAD/BIM, Yunier Cai (Fall 2013)*
- *Revit/BIM, Teng Zhang (Fall 2013)*
- *Advanced Spatial Analysis, Elia Sorice (Spring 2012)*
- *Spatial Analysis of Renewable Energy: Roberto Ponce Lopez (Fall 2011)*
- *GIS neighborhood health analysis (BSWELL, New York City), Jenny Sabol (Fall 2011)*
- *GIS Mapping, Benjamin Horwitz, Paul Karam, Alissa Burger, Bizhou Wang, Amy Nagengast (Spring 2011)*
- *GIS Mapping, Benjamin Horwitz, Paul Mastin (Fall 2010)*
- *Children's Hospital of Pittsburgh (TeamUp) VENKATRAMANI, ANUSHA and CHEEKS-LOMAX, ALANA N (Fall 2010, Spring 2011)*
- *Guam Infrastructure Mapping Project, Bill Chase (Summer 2010)*
- *Pediatric to Adult Transition (Summer 2010)*
- *GIS for Architecture, Yeifei Lu, Annie Bodhidatta(Spring 2010)*
- *Google Earth Pro Spatial Analysis, Paul Mastin (Spring 2010)*

- *ITxM (Blood Bank) Spatial Analysis*, Ian McMeans(Spring 2010)
- *GIS and Education*,(Spring 2009) Megan Walker
- *Food Bank Spatial Analysis (Spring 2009)*, Brandon Loughery
- *Advanced GIS Analysis for Determining Population Distributions for Six Texas Counties, (Spring 2009)*, Ryan Menefee
- *Economic and Social Impact of Brownfield Development (Fall 2008)*, Shruti Vasudev,
- *GIS for Healthcare Analysis (Summer 2007)*,Chelsea Smith
- *Advanced GIS Web Design (Summer 2007)*, Heather S. Henkel
- *Advanced GIS (Spring 2007)*, Heather S. Henkel
- *Childhood Obesity and the Built Environment (Spring 2007)*, Chelsea Smith
- *Advanced GIS (Spring 2007)*, John David Perry
- *CAFM (Spring 2007)*, Chris Koch
- *INTRO TO GIS (Spring 2006)*, Sophia Hartkopf (Georgetown University)
- *Advanced GISs (Fall 2005)*, Natalia Rudiak, Kimberly Ellison- Taylor
- *GIS Public Transportation Study (Fall 2005)*, Michael Sypolt
- *Advanced GIS (Spring 2005)*, Ashley Vann Ness, Tim White
- *Advanced GIS (Spring 2004)*, Kristina Alagar
- *Infrastructure Management (Spring 2004)*, Po-Hsin Lin, Ibrahim Coulibaly, and Parikh Mihir
- *Advanced GIS (Fall 2003)*, Fan Zhang
- *Advanced GIS (Summer 2003)*, Lawrence H. Walsh
- *Computer Aided Design (Spring 2003)*, Jennifer Sinfelt
- *Infrastructure Management (Spring 2003)*, Patrick Donnelly, Leah Lizarondo-Espino, and Natalia Pineda
- *Perspective Design (Fall 2002)*, Christine Love
- *WEB Development (Fall 2002)*, Hsi Shen
- *Computer Aided Design (Fall 2002)*, Erin Elizabeth Andrew, Harold Carlson II, Jill Suzanne Stark, and Rachel A. Steigerwalt
- *Advanced GIS (Fall 2002)*, Shannon McKay
- *CAFM - FM Mapping Project (Spring 2002)*, Hsi Shen
- *AutoCAD (Fall 2001)*, Roger Pech-Sanchez, Jonghun Jeong, and Jaejoon Lee
- *3D Studio MAX (Fall 2001)*, Borden Po-Ting Seng

AWARDS and SPECIAL RECOGNITION

- 2012 Esri Health Communications Award, August 2012
- H. John Heinz III School of Public Policy and Management, Martcia Wade Teaching Award, (2005)
- ARCHIBUS, Inc., Outstanding Educator Award, (1998, 2000, 2003)
- Environmental Systems Research Institute (ESRI), Special Achievement in GIS Award, (2004)
- “Move near a park and keep children healthy”, The Advertiser, Adelaide Australia local newspaper, By Tory Shepard, Health reporter, September 2009
- “Young Lives at Risk: Our Overweight Children”, Washington Post, By Steve Hendrix and Hamil R. Harris, Washington Post Staff Writers, May 20, 2008
- CMU Today, “Solving a Weighty Issue”, pages 12-14 (April 2007)
- The Piper, “Location, Location, Location: It May Be Why You’re Overweight”, page 6 (January 2007)
- Pittsburgh Tribune Review, “Architects join in the battle of the bulge”, (September 16, 2006)
- Carnegie Mellon University, 8.5 x 11 News, Vol. 17, no. 6, “Research Says US Cities Are Making Children Obese”, (August 2007)
- Steinbrenner Institute for Environmental Education and Research (SEER), Spotlight on SEER Faculty, (Spring 2005)

- AIA Columns magazine, “Are American Cities Making Us Fat?”, (November 2005)
- CADENCE Magazine, “New Technology Drives AutoCAD Training Techniques”, (January 2000)

ACADEMIC and PROFESSIONAL ACTIVITIES

- Carnegie Mellon University Taskforce on the CMU Experience, co-chair Campus Infrastructure Working Group (2016-present)
- H. John Heinz III College, Chair, Technology Enhanced Learning (TEL) committee (2015-present)
- Carnegie Mellon University, Doherty Award Committee (2013-present)
- Penn State University, GeoDesign Advisory Board (2011-present)
- Institutional Animal Care & Use Committee (non-scientist member)
- University of Pittsburgh, Graduate School of Public Health, Committee member for Pilot Grant Program “Advancing Research on Opioid Drug and Heroin Addiction”
- Carnegie Mellon University, Strategic planning committees: Innovative Teaching and Learning, Innovative Carnegie Mellon Experience (2014-2015)
- Carnegie Mellon University, Provost Search Committee (2014-2015)
- Ryan Teaching Award Committee (2008-2010)
- Esri Education Advisory Board (2013)
- Google Earth Pro Advisory Board (2010)
- Allegheny County Comprehensive Plan, GIS Resource Panel, (2006-present)
- Environmental Justice Institute, GIS mapping consultant, (2005-present)
- University of Pittsburgh Medical Center - Collaborative on Health and the Environment (CHE), member, (2005-2105)
- University of Pittsburgh, Graduate School of Public Health, Department of Epidemiology, board of advisors member for the Academic Consortium for Excellence (UPACE) in Environmental Public Health Tracking (EPHT) Network (2005-2010)
- CMU’s Water QUEST Center, faculty member (2005-present)
- Allegheny County – Consultant to Computing Services and Health Department, (2004-present)
- Allegheny County Medical Society, Western PA Obesity Taskforce committee member, (2004-2008)
- Children’s Hospital of Pittsburgh (GIS), Consultant for GIS mapping projects (2004-present)
- Highmark, Childhood Obesity Regional Strategy Committee, mapping committee chair, data committee member, built environment committee, (2004-2009)
- CMU Remaking Cities Institute, faculty member, (2004-present)
- CMU Steinbrenner Institute for Environmental Education and Research (SEER) advisory board member representing Heinz School, (2004-2010)
- University of Pittsburgh Graduate School of Public Health, Advisor to students and contributor to “State of Environmental Health Data” publication (2004-2010)
- CMU Instructional Technology Task Force Committee, committee member, (2004 - present)
- CMU/Oxford University joint degree program, Heinz School/School of Architecture faculty representative/advisor, (2003-present)
- CMU Faculty Senate Member, representing CMU University President Jerry Cohon, (2003-2004)
- Legal Services Corporation / Legal Aid Society (GIS), GIS Consultant, (2003- present)
- University GIS Portal, coordinator for local universities to provide GIS files on-line, (2003-2005)
- City of Pittsburgh , consultant to City Planning Department, Urban Redevelopment, Housing Authority, CIS, City Council, (2001-present)
- CMU Heinz School Master of Medical Management, acting director, (2001)
- CMU Urban Laboratory, faculty member, (2000-present)

- ITT Technical Institute, Board of Advisors, (1999-2005)
- Pittsburgh Foundation Access to Work Taskforce, committee member, (1999- 2009)
- Authorized ArcView Instructor, Environmental Research Systems Inc., (1998-2002)
- National Imagery Mapping Agency, (NIMA), Consultant, top-secret clearance, (1998-present)
- CMU InfoLink School-to-Work Program, Co-Director/ Faculty Advisor, (1994-2002)