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EDUCATION

Ph.D. in Land Resources, University of Wisconsin-Madison, May 1997

Dissertation: A Theoretical Model of the Life Cycle of Community Multipurpose Land Information Systems Development,
Advisor: Bernard J. Niemann, Jr.

M.L.A., Louisiana State University, May 1994

Thesis: Suitability Study Using a Multiple Objective Decision Model and Regional Planning Techniques, Advisor: Daniel Earle

B.S.L.A., University of Kentucky, May 1992

Teaching/Academic Experience

Associate Professor, Department of Landscape Architecture, 2003-present

Undergraduate Program Director, Environmental Planning and Design (140 students), 2002-2011

Assistant Professor, Department of Landscape Architecture, 1997-2003

Associate Director for Program Development and GIS Applications Program Leader, Center for Remote Sensing and Spatial Analysis, Cook College, Rutgers University, 1997 - present

Graduate Faculty of Geography, 1997 - present

Graduate Research Assistant, Land Information and Computer Graphics Facility, University of Wisconsin - Madison, 1994 - 1997

Graduate Teaching Assistant, School of Landscape Architecture, Louisiana State University, 1992-1994

Instructor, The Princeton Review, Baton Rouge, LA and Madison, WI, 1993-1994

Instructor, PrepMaster GRE Intensive Review, Baton Rouge, LA, 1992-1993

Teaching Aide, Department of Horticulture and Landscape Architecture, University of Kentucky, 1991

Professional Experience

Research Consultant, National States Geographic Information Council, 1997

Assistant Planner, D. N. Young & Associates, Inc., Gonzales, LA, 1993-1994

AutoCAD Operator, Brown & Butler, Inc., Civil Engineers, Baton Rouge, LA, 1993

Assistant Landscape Architect, Scruggs and Hammond, Inc., Landscape Architects, Lexington, KY, 1988-1992

TEACHING ACTIVITIES

Teaching Activity (at Rutgers)

Programs Served:

Environmental Planning and Design (S.E.B.S. Curriculum) – 140 students

Landscape Architecture (Undergraduate Option)

Landscape Industry (Undergraduate Option)

Environmental Planning (Undergraduate Option and Certificate)

Environmental Geomatics (Undergraduate Option and Certificate)

Geography (Graduate faculty member)

Human Dimensions of Environmental Change (Graduate Certificate)

Geospatial Information Science (Graduate Certificate)

Rutgers University Classes Taught (or co-taught):

16:550:572 Colloquium in Landscape Architecture

16:550:545 Intro to Geomatics

11:550:331 Intermediate Landscape Architecture I (<http://jrstudio.rutgers.edu/>)

11:550:437 Summer Studio in Europe – Barcelona, Spain

11:550:332 Intermediate Landscape Architecture II

11:372:478 Vector Geomatics

11:372:231 Fundamentals of Environmental Planning (<http://www.crssa.rutgers.edu/envplan/>)

01:450:625 Graduate Seminar: History of Geospatial Technologies

11:372:362 Intermediate Environmental Geomatics (<http://www.crssa.rutgers.edu/intgeo/>)

11:372:462 Advanced Environmental Geomatics and

11:015:425 Cook Junior/Senior Colloquium: Applications of Information Technology to Land Use Issues
(<http://www.crssa.rutgers.edu/advgeo/>)

Professional Classes Taught:

Crowdsourcing Geospatial Data Workshop, UCGIS Summer Assembly, May 2013.

Fundamentals of Geomatics, Cook Continuing Education, Geomatics Professional Certificate Program, October/November 2004.

Introduction to ArcView 8, Cook Continuing Education, Geomatics Professional Certificate Program, October/November 2003.

Introduction to ArcView 8, Cook Continuing Education, Geomatics Professional Certificate Program, June 2003.

Introduction to ArcView 8, Cook Continuing Education, Geomatics Professional Certificate Program, November 2002.

Introduction to ArcView, Cook Continuing Education, Geomatics Professional Certificate Program, (Co-taught with Rowan and Wiggins), October 1999.

Introduction to ArcView, Cook Continuing Education, Geomatics Professional Certificate Program, (Co-taught with Rowan), February 1999.

Introduction to Geographic Information Systems Workshop, Annual Joint Meeting of the New Jersey State Mapping Advisory Committee and the Mid-Atlantic Chapter of the Urban Regional Information Systems Association, (Co-taught with Chris Perks) June 1998.

Undergraduate Advising:

Currently serve as an advisor for roughly 30 students in Environmental Planning and Design

Served as Co-operative Education advisor for 41 students (1999-2008)

Served as internship advisor for 12 students

SCHOLARLY ACTIVITY

Refereed Papers

Ohri-Vachaspati, P., K. Lloyd, D. DeLeia, D. Tulloch, N. Petlick, D. Martinez, M. Yedidia. 2013. "A Closer Examination of Measures of Food and Physical Activity Environments as They Relate to Childhood Obesity," *Preventive Medicine*, 57: 162–167.

DeWeese, R., M. J. Yedidia, D. L. Tulloch, P. Ohri-Vachaspati, 2013. "Neighborhood Perceptions and Active School Commuting in Low-Income Cities," *American Journal of Preventive Medicine*, 45(4): 393–400.

Tulloch, D. 2013. "Learning from Students: Geodesign lessons from the Regional Design Studio," *Journal of Urbanism: International Research on Placemaking and Urban Sustainability*, DOI:10.1080/17549175.2013.765903.

Tulloch, D. 2012. "Geographic information systems and landscape architectural design and scholarship. A source of heritage and tension," *Revue Internationale de Géomatique* Special Issue: Geodesign: From Theory to Practice, 22:2, 169-184.

Tulloch, D. 2008. "Is VGI participation? From vernal pools to video games," *GeoJournal* 72: 161-171.

Tulloch, D., and E. Graff, 2007. "Green Map exercises as an avenue for problem-based learning in a data-rich environment," *Journal of Geography* Special Issue on Geographic Data and Education, 106 (6): 267-276.

Tulloch, D., and F. Harvey, 2007, "When Data Sharing Becomes Institutionalized: Best Practices in Local Government GI Relationships," *URISA Journal*, 19: 2, 51-59 (http://www.urisa.org/files/Journal_Vol19No2.pdf).

Tulloch, D., 2007. "Many, many maps: Empowerment and the rapid growth of online participatory mapping," *First Monday* 12:2 (online at: http://www.firstmonday.org/issues/issue12_2/tulloch/index.html).

Lathrop, R.G., D. L. Tulloch, C. Hatfield, 2007. "Consequences of Land Use Change in the New York-New Jersey Highlands, USA: Landscape Indicators of Forest and Watershed Integrity," *Landscape and Urban Planning* 79: 2, 150-15

Harvey, F., and D. L. Tulloch, 2006. Local Government Data Sharing: Evaluating the Foundations of Spatial Data Infrastructures. *International Journal of Geographical Information Science*, 20(7), 743-768.

Tulloch, D. L., and T. Shapiro, 2003, "The Intersection Of Data Access And Public Participation: Impacting GIS Users' Success?" *URISA Journal* (<http://www.urisa.org/Journal/APANo2/Tulloch.pdf>).

- Tulloch, D. L., Hasse, J., Myers, J., Parks, P., and Lathrop, R. 2003. The Challenge of Automating Public Farmland Preservation Techniques, *Landscape and Urban Planning*, 63:1, 33-48.
- Tulloch, D., 2002. Data Shaping the Landscape: How Institutionalizing GIS Can Impact Public Decisionmaking and Policies About Our Landscapes, Council of Educators in Landscape Architecture 2002 Conference Proceedings.
- Tulloch, D., 2002. "Locally Produced Geodetic Control and Cadastral Framework Data in the United States," *Surveying and Land Information Systems*, 61 (3): 201-205.
- Tulloch, D. L., and E. Epstein. 2002. "Benefits of Community MPLIS: Efficiency, Effectiveness, and Equity," *Transactions in Geographic Information Systems*, 6 (2): 195-212.
- Tulloch, D. L., and J. Fuld. 2001. "County-level Production of Framework Data: Pieces of a National Spatial Data Infrastructure?" *Journal of the Urban and Regional Information Systems Association*, 13 (2), 11-21. Available on-line at: "http://www.urisa.org/Journal/Under_Review/tulloch/exploring_county_level_production_of.htm"
- Tulloch, D., and M. Robinson. 2000. A Progress Report on a U.S. National Survey of Geospatial Framework Data, *The Journal of Government Information*, 27: 285-298.
- Tulloch, D., 2000. "Data Shaping The Landscape: GIS and Stewardship," *Landscape Journal*, 19: 211-219.
- Tulloch, D. L. 1999. "Theoretical Model of Multipurpose Land Information Systems Development," *Transactions in Geographic Information Systems*, 3: 3, 259-83.
- Tulloch, D. L., D. Barnes, D. Bartholomew, D. Danielson, and N. von Meyer. 1997. "The Wisconsin Land Information Program: Supporting Community Land Information System Development," *Surveying and Land Information Systems*, 57 (December): 4, 241-248.
- Tulloch, D. L. 1994. "Areal Changes in US Forested Wetlands from 1940-1990," *Wetlands Ecology and Management*, 3 (1994) 1, 49-53.

Book Chapters

- Tulloch, D., 2008. "Public Participation GIS (PPGIS)," Entry in K. Kemp (Eds.) *Encyclopedia of GIS*: Sage Publications, p. 351-353. (Invited)
- Tulloch, D., 2008, "Institutional GIS" Chapter 25 in J. Wilson and S. Fotheringham (Eds.) *Handbook of Geographic Information Science* pp. 449-465 (Invited).
- Elmes, G., E. Epstein, R. McMaster, B. Niemann, B. Poore, E. Sheppard, and D. Tulloch, 2004. "GIS and Society: Interrelation, Integration, and Transformation," Chapter 10 in R. B. McMaster and E. L. Usery, *A Research Agenda for Geographic Information Science*, Boca Raton: CRC Press, pp. 287-312.
- Lathrop, R.G., and D. Tulloch, C. Hatfield, P. Parks, C. Phillipuk, J. Bogner, R. Pirani, M. Phelps and M. Hoppe. 2004. GIS-based Conservation Values Assessment of the New York-New Jersey Highlands. In: *Message for the Tatra: Geographical Information Systems and Remote Sensing in Mountain Environmental Research*. W. Widacki, A. Bytnerowicz and A. Riebau (Eds.), Jagiellonian University Press and USDA Forest Service. pp. 201-216.
- Tulloch, David L. 2002. Environmental NGOs and Community Access to Technology as a Force for Change. In Craig, Will, Trevor Harris, and Daniel Weiner. *Community Participation and Geographic Information Systems*. London: Taylor and Francis. 192-204.
- Tulloch, D. L. 1999. "The Wisconsin Approach: A State-Wide, Parcel-Based, Grass Roots Solution," in *Digital Parcel Mapping: Standards and Strategies for New Jersey's Parcel Mapping Communities*, K. Parrish (ed.), Trenton, NJ, New Jersey State Mapping Advisory Committee.
- Tulloch, D. L. 1999. "The Wisconsin Approach: A State-Wide, Parcel-Based, Grass Roots Solution," in *Digital Parcel Mapping Handbook: Standards and Strategies for New Jerseys Parcel Mapping Communities*, K. Parrish (ed.), Chicago, IL, Urban and Regional Information Systems Association. (Nationally marketed and distributed version of above document)

Wiggins, L., D. L. Tulloch, R. Sieber. 1999. "Organizational Issues," in *Digital Parcel Mapping: Standards and Strategies for New Jersey's Parcel Mapping Communities*, K. Parrish (ed.), Trenton, NJ, New Jersey State Mapping Advisory Committee.

Wiggins, L., D. L. Tulloch, R. Sieber. 1999. "Organizational Issues," in *Digital Parcel Mapping Handbook: Standards and Strategies for New Jersey's Parcel Mapping Communities*, K. Parrish (ed.), Chicago, IL, Urban and Regional Information Systems Association. (Nationally marketed and distributed version of above document)

Book Reviews

Tulloch, D. 2012. Book Review of *Spatial Data Infrastructures in Context, North and South*, edited by Nedovic-Budic, Crompvoets, Georgiadou in *Environment and Planning B*.

Tulloch, D. 2009. Book Review of D. Steiner, *The Living Landscape*, *Journal of American Planning Association*.

Selected Conference Proceedings

Tulloch, D. L. and J. M. Hartman, 2005. "Moving the Appalachian Trail: Inventory, Analysis, Models, and Maps," ESRI User Conference, San Diego, CA (<http://gis.esri.com/library/userconf/proc05/papers/pap2060.pdf>).

Tulloch, D., 2004. "The Green Map System as a Means for PPGIS Education and Exploration," 3rd Annual PPGIS Conference, Madison, WI, URISA (<http://crssa.rutgers.edu/ppgis/PPGIS2004.pdf>).

Tulloch, D., 2003. "What PPGIS Really Needs Is...," 2nd Annual PPGIS Conference, Portland, OR, URISA.

Tulloch, D., 2000. "Looking Back and Looking Ahead: The State of Framework Data," Proceedings of URISA 2000, 427-36 (CD-ROM).

Tulloch, D. L. 1998. "Environmental NGOs: Community Access to Technology as a Force for Change," Workshop Paper for National Center for Geographic Information Analysis Specialist Meeting on Empowerment, Marginalization, and Public Participation GIS (<http://ncgia.ucsb.edu/varenius/ppgis/papers/tulloch/tulloch.html>).

Sheppard, E., G. Elmes, B. J. Niemann, D. L. Tulloch, E. F. Epstein, and R. Taupier. 1998. "GIS and Society," UCGIS White Paper.

Epstein, E. F., Tulloch, D. L., and B. J. Niemann, Jr. "Efficiency, Effectiveness, and Equity: Necessary Benefits for Community MPLIS Justification," Proceedings of URISA '97 (CD-ROM).

Tulloch, D. L., E. F. Epstein, and B. J. Niemann. 1997. "Will Concern For Equity Be A Defining Trend In LIS/GIS In The Next Decade?," 1997 ACSM/ASPRS Annual Convention and Exposition, Technical Papers Volume 5: Auto-Carto, 13 429-438.

Poster Session

Shao, N., J. Hasse, D. Tulloch, J. Hartman, S. Strom. 1999. "The Value of Green in the City: Analyzing Relationships of Housing to Components of Urban Forestry Using GIS and Remote Sensing Imagery," Contributed Poster Session, International Association for Landscape Ecology: 5th World Congress, Snowmass, CO.

Professional Magazines

Tulloch, D. L., 2013. "Students Map Critical Gas Resources," GeoPlace.com Online Exclusive, January 31, 2013 (<http://alturl.com/92khs>).

Graff, E. and D. Tulloch, 2007. "Integration von Jugendlichen in die Stadtplanung," *Garten + Landschaft*. 117: 4, 32-34. (Invited; in German)

Tulloch, D. L., and B. J. Niemann. 1996. "Evaluating Innovation: The Wisconsin Land Information Program," *Geo Info Systems* 6 (October) 10: 40-44.

Reports and Newsletters

- Ohri-Vachaspati, P., D. Tulloch, N. Petlick, D. Martinez, M. Yedidia, 2010. *Food Environment Maps Chart Book, Camden: The New Jersey Childhood Obesity Study*. Rutgers Center for State Health Policy. (<http://www.cshp.rutgers.edu/Downloads/8400.pdf>)
- Ohri-Vachaspati, P., D. Tulloch, N. Petlick, J. Chou, M. Yedidia, 2010. *Physical Activity Environment Maps Chart Book, Camden: The New Jersey Childhood Obesity Study*. Rutgers Center for State Health Policy. (<http://www.cshp.rutgers.edu/Downloads/8540.pdf>)
- Ohri-Vachaspati, P., D. Tulloch, N. Petlick, D. Martinez, M. Yedidia, 2010. *Food Environment Maps Chart Book, Newark: The New Jersey Childhood Obesity Study*. Rutgers Center for State Health Policy. (<http://www.cshp.rutgers.edu/Downloads/8420.pdf>)
- Ohri-Vachaspati, P., D. Tulloch, N. Petlick, J. Chou, M. Yedidia, 2010. *Physical Activity Environment Maps Chart Book, Newark: The New Jersey Childhood Obesity Study*. Rutgers Center for State Health Policy. (<http://www.cshp.rutgers.edu/Downloads/8550.pdf>)
- Ohri-Vachaspati, P., D. Tulloch, N. Petlick, D. Martinez, M. Yedidia, 2010. *Food Environment Maps Chart Book, New Brunswick: The New Jersey Childhood Obesity Study*. Rutgers Center for State Health Policy. (<http://www.cshp.rutgers.edu/Downloads/8440.pdf>)
- Ohri-Vachaspati, P., D. Tulloch, N. Petlick, J. Chou, M. Yedidia, 2010. *Physical Activity Environment Maps Chart Book, New Brunswick: The New Jersey Childhood Obesity Study*. Rutgers Center for State Health Policy. (<http://www.cshp.rutgers.edu/Downloads/8560.pdf>)
- Ohri-Vachaspati, P., D. Tulloch, N. Petlick, D. Martinez, M. Yedidia, 2010. *Food Environment Maps Chart Book, Trenton: The New Jersey Childhood Obesity Study*. Rutgers Center for State Health Policy. (<http://www.cshp.rutgers.edu/Downloads/8460.pdf>)
- Ohri-Vachaspati, P., D. Tulloch, N. Petlick, J. Chou, M. Yedidia, 2010. *Physical Activity Environment Maps Chart Book, Trenton: The New Jersey Childhood Obesity Study*. Rutgers Center for State Health Policy. (<http://www.cshp.rutgers.edu/Downloads/8570.pdf>)
- Ohri-Vachaspati, P., D. Tulloch, N. Petlick, D. Martinez, M. Yedidia, 2010. *Food Environment Maps Chart Book, Vineland: The New Jersey Childhood Obesity Study*. Rutgers Center for State Health Policy. (<http://www.cshp.rutgers.edu/Downloads/8480.pdf>)
- Ohri-Vachaspati, P., D. Tulloch, N. Petlick, J. Chou, M. Yedidia, 2010. *Physical Activity Environment Maps Chart Book, Vineland: The New Jersey Childhood Obesity Study*. Rutgers Center for State Health Policy. (<http://www.cshp.rutgers.edu/Downloads/8580.pdf>)
- Food Trust, 2009. *Food for Every Child: The Need for More Supermarkets in New Jersey*. Food Trust: Philadelphia, PA. (http://www.thefoodtrust.org/catalog/download.php?product_id=167)
- Rutgers Equine Science Center. 2007. *The New Jersey Equine Industry 2007; Economic Impact*. NJAES: New Brunswick, NJ (http://esc.rutgers.edu/news_more/PDF_Files/2007_Equine_Economic_Impact_Study_Report.pdf).
- Tulloch, D. 2007. "Public participation mapping," Green Map News, p. 3.
- Lathrop, R.G., C. Hatfield and D. Tulloch. 2003. Section 2: Land Resources. In: New York-New Jersey Highlands Regional Study Technical Report. Ed. M. Hoppe. USDA Forest Service NA-TP-04-03, Newtown Square, PA. pp. 45-219.
- US Forest Service. 2002. *The Highlands of New York and New Jersey Regional Assessment: Final Report*. Government Printing Office: Washington, DC.
- Tulloch, D., 2002. "Institutional GIS," Draft Research Challenge for the Universities Consortium for Geographic Information Sciences. (<http://www.crssa.rutgers.edu/InstitutionalGIS.html>)
- Carlile, J., B. H. Davis, P. Brainard, D. L. Tulloch, and J. M. Hartman. 2002. *High Lakes Greenway: Vision Plan*, Morris Land Conservancy. Boonton, NJ.

- Tulloch, D., 2001. "Position Paper on Landscape Change," for the Workshop on Landscape Change, Santa Barbara, CA, January 2001. (<http://www.ncgia.ucsb.edu/landscape-2/landscape.htm>)
- Tulloch, D. 1999. "The Portland Community: A Working Model of Framework Data Sharing and Coordination," sidebar article in Framework Data Survey Preliminary Report, a Supplement to Geo Info Systems, 32.
- Tulloch, D. L., E. F. Epstein, D. D. Moyer, B. J. Niemann, S. J. Ventura, and R. Chenoweth. 1998. "GIS and Society: A Research Agenda," ViewPoint. Winter 1998.
- Tulloch, D. L., D. D. Moyer, and B. J. Niemann. 1998. "Modernizing Dane County's Register of Deeds: Saving Property Owners \$4.6 Million," Land Information Bulletin, No. 1.
- Tulloch, D. L., E. F. Epstein, B. J. Niemann., and S. J. Ventura. 1997. Multipurpose Land Information Systems Development Bibliography: A Community-wide Commitment to the Technology and its Ultimate Applications. National Center for Geographic Information Analysis Technical Report 97-1. Santa Barbara, CA.
- Tulloch, D. L., B. J. Niemann, S. J. Ventura, and E. F. Epstein. 1996. "The Final Stages of Land Records Modernization and Their Associated Benefits: The Pot at the End of the Rainbow?" White Paper for the Workshop on The Future of Spatial Data and Society, Mapping Science Committee, National Academy of Sciences/National Research Council, April 1996.
- Tulloch, D. L., and B. J. Niemann. 1996. "Adoption and Diffusion of GIS: Working Bibliography," White Paper for the Workshop on The Future of Spatial Data and Society, Mapping Science Committee, National Academy of Sciences/National Research Council, April 1996.

Keynote Lectures

- Tulloch, D. 2013. "Geospatial People: The Role of Volunteered Geographic Information, Public Participatory GIS, and Public Data in Changing Geographic Information Science." Keynote Lecture at Geospatial Summit (<http://www.geoalliance.wisc.edu/images/stories/2013/April/geospatial%20summit%202013%20full%20program%20final.pdf>) , April 2013, Madison, WI.
- Tulloch, D. 2009. "Thoughts on the Institutionalization of GIS Education." Keynote Lecture at MAC-URISA Conference, December 2009, Bordentown, NJ (Invited).
- Tulloch, D., 2009. "Bits of Landscapes: the Internet and geospatial information in a new era of planning and design," Arizona State University, Tempe, AZ. (Invited)

Invited Conference Presentations

- Tulloch, D., 2010. "Mapping Land Use Change," Shaping the "City" of New Jersey: 2010 Center for Urban Environmental Sustainability Workshop, April 2010, New Brunswick, NJ. (Invited)
- Tulloch, D., and R. Lathrop, 2010. "Climate Change, Impacts and Interventions for Coastal Landscapes," 2010 Annual Meeting of the New Jersey Chapter of the American Society of Landscape Architects, Atlantic City, NJ (Invited).
- Tulloch, D., B. Heller and E. Krafcik, 2010. "Stony Brook-Millstone Watershed: A Case Study in State of the Art ," 2010 Annual Meeting of the New Jersey Chapter of the American Society of Landscape Architects, Atlantic City, NJ (Invited).
- Tulloch, D., 2008. "Data Sharing for a Purpose: A Business Case for Data Sharing," Annual Conference of the Urban and Regional Information Systems Association, New Orleans, LA (Invited).
- Tulloch, D., 2005. "Baksights and Foresights: Some thoughts on Digital Stewardship and Landscape Architecture," GIS in LA Workshop, ASLA 2005, Ft. Lauderdale (Invited).
- Tulloch, D., 1999. "Democratization of GIS," Roundtable Moderator, Annual Conference of the Urban and Regional Information Systems Association 1999, Chicago. (Invited)

Conference Presentations

- Tulloch, D., 2011. "The Evolving Relationship between Landscape Architecture and GIScience," North American Cartographic Information Society (NACIS), Madison, WI.

- Tulloch, D., 2010. "In Fits and Starts: Historic and future relationships between GIS and LA," Council of Educators in Landscape Architecture/ISOMUL 2010, May 2010, Maastricht, The Netherlands.
- Tulloch, D., 2010. "Fast, Cheap, and Online," Land Trust Rally, New Jersey Conservation Foundation, Montclair, NJ.
- Tulloch, D., 2009. "Understanding the Role of Emerging Geospatial Technologies in Landscape Architecture: PPGIS, VGI, and Video Games," 2008 (sic) Annual Conference of the Council of Educators in Landscape Architecture, Tucson, AZ.
- Tulloch, D., 2005. "Moving the Appalachian Trail: Inventory, Analysis, Models, and Maps," ESRI User Conference, August 2005.
- Tulloch, D., 2004. "The Green Map System as a Means for PPGIS Education and Exploration," 3rd Annual PPGIS Conference, Madison, WI.
- Tulloch, D., 2003. "What PPGIS Really Needs Is...," 2nd Annual PPGIS Conference, Portland, OR.
- Tulloch, D., 2003. "A Multidisciplinary Approach to Developing a Landscape Change Research Agenda and Program Through Research, Teaching, and Outreach," *Council of Educators in Landscape Architecture*, September 2003.
- Tulloch, D. L., and F. Harvey. 2002. "Best Practices for Data Sharing in Local Government," 2002 Annual Conference of the *Urban and Regional Information Systems Association*, October 2002.
- Tulloch, D. L., 2002. "Data Shaping the Landscape: How Institutionalizing GIS Can Impact Public Decisionmaking and Policies About Our Landscapes," *Council of Educators in Landscape Architecture*, September 2002.
- Tulloch, D., 2000. "Looking Back and Looking Ahead: The State of Framework Data," 2000 Annual Conference of the Urban and Regional Information Systems Association.
- Tulloch, D., "Publicly Accessible Geo-Spatial Data: Different Needs for Different Users," 1998 Annual Conference of the Council of Educators in Landscape Architecture, Arlington, TX.

Panels

- Steinitz, C, S. Ervin, D. Olsen, and D. Tulloch, 2005. "Spatial Technology in Landscape Architecture," Panel in GIS in LA Workshop, ASLA 2005, Ft. Lauderdale (Invited).
- Tulloch, D., 2004. "GIS-based Green Mapping with Landscape Architecture Students," Municipal Art Society Panel on Sustainability Education and Mapping, October 2004 (Invited).

University Lectures

- Tulloch, D. 2013. "Geospatial People: The Role of Volunteered Geographic Information, Public Participatory GIS, and Public Data in Changing Geographic Information Science." University of Wisconsin-Milwaukee, April 2013.
- Tulloch, D., 2012. "Spatial Perspectives," School of Landscape Architecture, University of New Mexico, April 2012 (Invited).
- Tulloch, D., 2012. "PPGIS, VGI, and Video Games as Emerging Geospatial Technologies in Planning and Design," University of Seoul, Seoul, South Korea, March 2012 (Invited).
- Tulloch, D., 2012. "Developing and sharing government data for optimizing public benefits," Ulsan National Institute of Science and Technology," Ulsan, South Korea, March 2012 (Invited).
- Tulloch, D., 2012. "Developing and sharing government data for optimizing public benefits," Hanyang University, Seoul, South Korea, March 2012 (Invited).
- Tulloch, D., 2012. "The Emerging Field of Geodesign: A new future for landscape architecture and GIS," SangMyung University, Seoul, South Korea, March 2012 (Invited).
- Tulloch, D., 2012. "The Emerging Field of Geodesign: A new future for landscape architecture and GIS," SangMyung University, Cheonan, South Korea, March 2012 (Invited).

- Tulloch, D., 2012. "Shaping the Future: Landscape Architecture, Geodesign and GIS," Rowan University, February 2012 (Invited).
- Tulloch, D., and R. Lathrop, 2010. "Addressing the vulnerability of the New Jersey coast to climate change and sea level rise," Invited Lecture at Temple University-Ambler, Ambler, PA (Invited).
- Tulloch, D., 2009. "Bits of Landscapes: the Internet and geospatial information in a new era of planning and design," Arizona State University, Tempe, AZ. (Invited)
- Tulloch, D., 2007. "Interstitial Spaces and Spatial Interfaces," Rutgers Landscape Architecture Lecture Series.
- Tulloch, D., 2006. "Land Use, Landscape Architecture and GIS," Guest Lecture at University of Kentucky (Invited).
- Tulloch, D., 2002. "Farmland Preservation in the Garden State: Automation and Advancement of a Spatially-Implicit Policy," College of Agriculture, University of Kentucky, Lexington, KY, January, 2002. (Invited)
- Tulloch, D., 2001. "GIS and Landscape Architecture and Stewardship," Department of Landscape Architecture and Regional Planning, University of Massachusetts-Amherst, Amherst, MA, February 2001. (Invited)
- Tulloch, D., "Land Information Systems: Benefits of Community Applications," Portland State University, Portland, OR, April 2000. (Invited)
- Tulloch, D., "Benefits Of The Development Of Community Multipurpose Land Information Systems ," Technical University of Vienna, Vienna, Austria, March 2000. (Invited)

Government Lectures

- Tulloch, D., 2012. "VGI and GIS for community input," SeonBok-Gu Government, SeonBok-Gu, Seoul, South Korea, March 2012. (Invited)
- Tulloch, D., 2012. "Developing and sharing government data for optimizing public benefits," Metropolitan Government of Seoul, Seoul, South Korea, March 2012. (Invited)
- Tulloch, D., 2012. "Making and mapping the world we want: How PPGIS and VGI are changing environmental planning," Nam Yang Ju municipal government, Nam Yang Ju, South Korea, March 2012. (Invited)
- Tulloch, D., 2000. "What is METRO GIS worth? And to Whom? ," Portland METRO, Portland, OR, April 2000. (Invited)

Other Presentations, Panels, and Lectures

- Tulloch, D., 2011. "Challenges of Mapping the Food Environments of New Jersey," Rutgers Department of Family and Community Health Sciences, March 2011.
- Tulloch, D., 2010. Discussant and Moderator, Film screening and discussion with filmmaker Maria Terezinha Vaz, " A Convenient Truth: Urban Solutions from Curitiba, Brazil" as part of Ecologies in the Balance in Latin American and the Caribbean: A Documentary Film Series, Rutgers Center for Latino Arts and Culture, March 2010.
- Tulloch, D., 2009. "Digital geospatial applications for classroom instruction," Presentation at OIRT Technology Fair, December 2009.
- Tulloch, D., 2008. "Google Earth and Google Map for Higher Education," Presentation at OIRT Technology Fair, December 2008.
- Tulloch, D., 1999. "What are the Costs and Benefits of GIS Adoption and Use," presented to the Open Space Workshop, organized by the Morris Land Conservancy, December 1999. (Invited)
- Tulloch, D., 1999. "Messages from the Landscape: What Our Landscapes Tell Us, and What They Say About Us," Rutgers Alumni College, Winston-Salem, NC, 1999. (Invited)

Student Workshops

4-H Science Saturday workshop, "How GIS can change your world," March 2010.

Specialist Meeting Presentations

Tulloch, D., 2012. "A Design Perspective on Spatial Thinking" Specialist Meeting on Spatial Thinking Across the College Curriculum, December 2012, Santa Barbara CA. (Invited)

Tulloch, D., 2007. "Finding the Seams in Volunteered Geographic Information," Specialist Meeting on Volunteered Geographic Information (Invited).

Tulloch, D. "Geospatial Data Access And Public Participation" Specialist Meeting on Participation and Access, Spoleto, Italy, December 2001.

Tulloch, D., "A New Jersey Perspective on Landscape Change," Workshop on Landscape Change, Santa Barbara, CA, January 2001.

Tulloch, D., "Environmental NGOs: Community Access to Technology as a Force for Change," PPGIS Specialist Meeting: Empowerment, Marginalization, and Public Participation GIS, Santa Barbara, CA, 1998.

FUNDING

Funded Research and Projects

Yedidia, MJ and Ohri-Vachaspati P, Dual PIs, 2012-17. "Impact of Environmental Changes on Children's BMI and Behaviors: A Panel Study," National Institute of Child Health and Development (NIH/NICHHD), D. Tulloch co-investigator. \$3,027,486 (grant through Rutgers Center for State Health Policy).

Ohri-Vachaspati P, PI, 2012-17. "Tracking the Impact on Children of Changes in the Food and Physical Activity Environments in Five New Jersey Cities over Five Years," Robert Wood Johnson Foundation, \$559,798. MJ Yedidia co-PI, , D. Tulloch co-investigator. (grant through Rutgers Center for State Health Policy).

Hartman, J., H. Nelson, and D. Tulloch, 2010-11. "St Croix Site Planning Project," Office of Insular Affairs, US Department of Interior, \$56,322.

Yedidia, M., PI, 2008-11. "New Jersey Childhood Obesity Study," Robert Wood Johnson Foundation, \$1,638,000. P. Ohri-Vachaspati, D. Tulloch co-investigators. (grant through Rutgers Center for State Health Policy).

Fine, J., J. DeFilippis, and U. Berg (PIs) 2009-10. Rutgers Immigrant Infrastructure Map (RIIM), with K. Newman, R. Rodriguez, M. Sidney, C. T. Brenner, and D. Tulloch (Faculty) and S. Munn (Project Director), Carnegie Foundation, \$50,000.

Fine, J., J. DeFilippis, and U. Berg (PIs) 2009-10. Rutgers Immigrant Infrastructure Map (RIIM): An Inter-Disciplinary Planning Grant, with K. Newman, R. Rodriguez, M. Sidney, C. T. Brenner, and D. Tulloch (Faculty) and S. Munn (Project Director), Rutgers Academic Excellence Fund Award, \$60,000.

Tulloch, D., 2008. "Data Analysis of Food Supply Issues in New Jersey," Philadelphia Food Trust (supported by Robert Wood Johnson Foundation) \$10,000.

Lathrop, R. and D. Tulloch 2007-8. "Enhancing Spatial Literacy Education," Charlesworth Family Donation, \$40,000.

Lathrop, R. 2006-7. "New Jersey LiDAR Workshop," NASA-IAGT, \$5,000 (Project Team).

Tulloch, D., 2007-12. Umbrella station project, "Advancing New Jersey Landscape Change Research," New Jersey Agricultural Experiment Station. (amount unspecified)

Tulloch, D., 2006-07 "The NJ E-Scape: A Landscape Information Resource for the New Millennium," NJASLA/ASLA Chapter Initiative Program grant.

Cook College. 2006-07. "Waste Stream and BioEnergy Technology Assessment Project," NJ Board of Public Utilities \$160,000. Proposal Co-author, GIS team leader.

Tulloch, D., 2006-07. "GIS Case Studies in Landscape Architecture," Rutgers University, Research Council Grant, \$1,000.

Tulloch, D., and J. Myers, 2006. "Exploratory Study Using GIS and Aerial Photography to Remotely Identify Equine Facilities," through New Jersey Agricultural Experimentation Station, \$2,500.

Future City, Inc., 2005-06. Sustaining Our Spaces, Elizabeth River/Arthur Kill Watershed, Geraldine R. Dodge Foundation, \$35,000. (Co-author, research leader)

Lathrop, R., and Tulloch, D. 2003-4. "New Jersey Remote Sensing Workshop," NASA-IAGT, \$5,000 (Project Team).

Lathrop, R., and D. Tulloch. 2004. "Advancing GIS-based Tools for Land Use Planning in the New Jersey Highlands," USDA Forest Service \$45,000.

Lathrop, R., and D. Tulloch. 2002-03. "Applying GIS-based Tools for Land Use Planning in the New Jersey Highlands," Geraldine R. Dodge Foundation \$45,000.

Tulloch, D., and Lathrop, R. "Evaluation of New Jersey Land Use Change in Relation to Spatial Proximity to Wetlands" New Jersey Center for Environmental Indicators, 6/03-12/03, \$5,000.

Lathrop, R., D. Tulloch and C. Hatfield. "Assessment of the New York/New Jersey Highlands," US Forest Service/US Congress, \$175,000 5/01 – 6/02.

Harvey, F., and Tulloch, D. "Building the NSDI at the Base: Establishing Best Sharing and Coordination Practices among Local Governments" UCGIS/FGDC, 12/01-12/02, \$45,000.

Tulloch, D., "Exploratory Studies of the NSGIC/FGDC Framework Survey: Looking at the State of the Nation," The Universities Consortium for Geographic Information Sciences, \$29,000.

Tulloch, D., "Comparative Study of Community GIS," Rutgers University, Research Council Grant, \$900.

Tulloch, D., R. Lathrop, and P. Parks, United States Department Of Agriculture Cooperative State Research, Education, And Extension Service, National Research Initiative Competitive Grants Program, "Developing Community-based Tools for Farmland Preservation Evaluation," \$145,000, 9/99-8/01.

Tulloch, D., 1998-2006. Umbrella station project, "Study Of Local Government Development And Application Of Geo-Spatial Technologies," New Jersey Agricultural Experiment Station. (amount unspecified)

Strom, S., J. M. Hartman, and D. L. Tulloch, United States Department Of Agriculture - National Urban and Community Forestry Advisory Council, \$104,700, 7/97-12/99.

Supported Participation in Specialist Meetings

Specialist Meeting on Spatial Thinking Across the College Curriculum, 2012, Santa Barbara CA.

Specialist Meeting on Volunteered Geographic Information, 2007, Santa Barbara CA.

Specialist Meeting on Participation and Access, 2001, Sponsored by NSF-ESF, Spoleto, Italy.

Specialist Meeting on Landscape Change, 2001, Santa Barbara CA.

Specialist Meeting on Public Participation GIS, 1999, Santa Barbara CA.

HONORS

2010 Council of Educators in Landscape Architecture Award for Research and Creative Work, 2010.

Academic Professional Excellence Award in Academic Innovation, School of Environmental and Biological Sciences, 2008.

Co-recipient, 2007 Northeast Extension Directors' Award of Excellence for 2007 New Jersey Equine Economic Impact Study.

Appalachian Trail 100-Hour Volunteer, National Park Service, 2004.

Young Scholar Award, Universities Consortium for Geographic Information Sciences, 2002.

Awards to Students

- 1st Place Software Integration, 2nd Place Best Newbie, 2010 New Jersey Department of Environmental Protection Annual Mapping Contest, 14 Student team from 11:550:331 Intermediate Landscape Architecture (<http://www.state.nj.us/dep/gis/mapcon23.htm>)
- 2010 Merit Award in Analysis and Planning, NJASLA, "Vision Plan for the Stony Brook Millstone Watershed" given to 11:550:331 Intermediate Landscape Architecture I.
- 1st Place Newbie of the Year, 1st Place Software Integration, 1st Place Best Overall Non-DEP, 2009 New Jersey Department of Environmental Protection Annual Mapping Contest, 16 Student team from 11:550:331 Intermediate Landscape Architecture (<http://www.state.nj.us/dep/gis/mapcon22.htm>)
- 1st Place Most Unique, 2009 New Jersey Department of Environmental Protection Annual Mapping Contest, Ed Krafcik, April Maly, Diana Marino, Drew Siglin, Student team from 11:550:331 Intermediate Landscape Architecture (<http://www.state.nj.us/dep/gis/mapcon22.htm>)
- 1st Place Newbie of the Year, 2nd Place Most Unique, 2nd Place Best Overall Non-DEP, 2007 New Jersey Department of Environmental Protection Annual Mapping Contest, Student team from 11:372:462 Advanced Environmental Geomatics (<http://www.state.nj.us/dep/gis/mapcon20.htm>)
- 1st Place Newbie of the Year, 2nd Place Most Unique, 2006 New Jersey Department of Environmental Protection Annual Mapping Contest, Serkan Talip, Nicholas Laub, Dan Sgrizzi, Peter Kovac, David Gates, Student team from 11:372:462 Advanced Environmental Geomatics (<http://www.state.nj.us/dep/gis/mapcon19.htm>)
- 1st Place Best Newbie, 2nd Place Best Cartographic Design, 2005 New Jersey Department of Environmental Protection Annual Mapping Contest, Bill Millette, Steven Rainey, Shaughn Norton, Student team from 11:372:462 Advanced Environmental Geomatics (<http://www.state.nj.us/dep/gis/mapcon18.htm>)
- 2005 Merit Award in Analysis and Planning, NJASLA, "The AT at Bear Mountain; Inventory and Analysis" given to 11:550:331 Intermediate Landscape Architecture II.
- Best Overall Map (Non-NJDEP), 2nd Place Most Unique, 2nd Place Best Newbie, 2003 New Jersey Department of Environmental Protection Annual Mapping Contest, Matt Jones, Tsz Ting Liu, Marina Lotarevich, Robert Martin, Brett Taylor, Alan Lee, Jeffrey Skinner, Student team from 11:550:332 Intermediate Landscape Architecture II, (<http://www.state.nj.us/dep/gis/mapcon16.htm>)
- 2nd Place, 2002 National Green Space Design Competition, Joann Diez, April Dewart, Tina Travers, Student team from 11:550:332 Intermediate Landscape Architecture II (http://www.greenspacedesign.org/news_competition.html).

Recognition in news media

- "The Dirt on Blogging: How can blogs change the way we communicate about landscape architecture," Jost, Daniel, *Landscape Architecture Magazine* 99 (June) 6: 40-53.
- "Colleges Concerned for the Environment," Wahlers, Robert. 2008. Special Supplement to *the Star-Ledger*, 2/3/08, p. 34.
- "Researchers balance risks of continuous development," Coan, Andrea, 2008. *The Daily Targum*, 4/17/08, p. 3.
- "Landscape goes green, donates 10k: Cipriano Landscape Design gives two U. departments grants environmental students," Greenfest, Sara, 2008. *The Daily Targum*, 1/31/08, p. 1.
- "A guide to city's green side - Map of Elizabeth shows locations," Golson, Jennifer, 2006. *The Star-Ledger*, 5/10/06.
- "U. picks College Avenue jury," Shure, Joseph, 2006. *The Daily Targum*, 1/23/06.
- "New Route for Hiking"- Malwitz, Rick, 2004. *The Home News Tribune*, p. B1, B3. 12/6/04.
- "Rutgers Students Lend a Hand to Nature"- Malwitz, Rick, 2004. *Courier News*, p. C3. 12/6/04.
- "Landscape Architecture Students Tackle Bear Mountain Trail Redesign"- Hujber, Michelle, 2004. *Rutgers Focus*, 12/6/04.
- "Getting Appalachian Trail Back on Track" - Cannon, G., 2004. *The Times Herald-Record*, p.12, 12/3/04.

"Students Examine Appalachians"- Androvich, E., 2004. The Daily Targum, p. 1, 11/29/04.

SERVICE

Service to the University Community (including the department)

Acting Graduate Director, Graduate Program in Landscape Architecture, 2013

Member, S. E. B. S. Planning Committee, 2013-present

Department of Landscape Architecture FCP Merit Raise Committee Chair 2010

Member, S. E. B. S., Committee for Educational Policy, 2003-2012

Member, S. E. B. S., Financial Aid Committee, 2007-2010

Chair, S. E. B. S., Financial Aid Committee, 2010-2011

Undergraduate Program Director for Environmental Planning and Geomatics, 2003-2011

Department of Landscape Architecture PEC Merit Raise Committee Chair 2008-2009

Developed and maintained Department of Landscape Architecture News and Alumni email list 2004-2010

Rutgers Delegate, the University Consortium for Geographic Information Sciences, 1998-present

Member, Cook College/S.E.B.S. Building and Grounds Committee, 2005-2008

Guided tour of landscape architecture on the National Mall, Rutgers alumni and summer interns for DC Chapter of RU Alumni Association and RU Federal Office, 2006-2009

Planned and led Rutgers Landscape Architecture Club hike, Manhattan Tip-to-Tip, 2008, 2010

Chair of faculty mentoring committee for Wolfram Hoefer, 2006-2008

Chair of faculty mentoring committee for Allan Shearer, 2005-2009

Chair of faculty mentoring committee for Seiko Goto, 2006-2009

Member, Co-operative education transition team, S. E. B. S., 2008-2009

Faculty search committees, 11 positions 1999-present

Planned and led Department Fall Field Trip ~20-40 students on four-day field trip 2000, 2002, 2003, 2005, 2007, 2009, 2010

Department of Landscape Architecture FASIP Merit Raise Committee Chair 2004-2007

Planned and led Rutgers University Outdoors Club hike, Brooklyn Tip-to-Tip, 2006

Faculty advisor to Sigma Lambda Alpha, 2002-2006

Planned and led Rutgers University Outdoors Club hike, Manhattan Tip-to-Tip, 2002-2005

Member, Cook College Committee on Teaching Effectiveness, Evaluation and Improvement, 2000-2005

Geography Graduate Admissions Committee, 2003

Faculty advisor to the LA Club/Student Chapter of the ASLA, 1998-2002

State & Public Community

GIS Technician Personnel Examination Author, NJ Department of Personnel, 2007.

NJ Landscape Project Peer Review Committee, NJ Department of Environmental Planning, 2005-present.

Board Member, Future City Inc, Elizabeth, NJ. 2005-2007.

Service to the Scientific and Professional Community

Landscape Architecture Accreditation Board Visiting Review Committee Member, University of Illinois, March 2014.

Program Committee for AGILE 2013 (Association of Geographic Information Laboratories in Europe)

Landscape Architecture Accreditation Board Visiting Review Committee Member, University of Connecticut, March 2012.

Chair of Workgroup on Geospatial Extension Specialist Agenda, University Consortium for Geographic Information Science (www.ucgis.org) 2011.

Chair of Policy and Legislation, University Consortium for Geographic Information Science (www.ucgis.org) 2009-2012.

Landscape Architecture Accreditation Board Visiting Review Committee Member, Polytechnic University of Puerto Rico, May 2011.

Landscape Architecture Accreditation Board Visiting Review Committee Chair, Colorado State University, March 2010.

Invited Guest Critic, Landscape Architecture Design Studio, Robert Reich School of Landscape Architecture, Louisiana State University, October 2008.

Book Review Editor for URISA Journal 2004-2010

NJ ASLA Chapter Initiative Project, NJ E-Scape Project Leader, 2006-2008

Board of Trustees for the Universities Consortium for Geographic Information Science (www.ucgis.org) 2004-2007

Vice-Chair of Policy and Legislation for the Universities Consortium for Geographic Information Science (www.ucgis.org) 2001-2004, 2008.

Nominating Committee Member for the Universities Consortium for Geographic Information Science (www.ucgis.org) 2002-2004, committee chair 2004.

Peer review of journal manuscripts for Landscape Journal, Landscape and Urban Planning, International Journal of Geographic Information Science, Transactions in GIS, URISA Journal, Journal of Soil and Water Conservation, GeoJournal, Geography Compass, Forest Science, International Journal of Spatial Data Infrastructure Research, AAG Annals.

DiBiase, D., M. DeMers, A. Johnson, K. Kemp, A. T. Luck, B. Plewe, E. Wentz (Eds.). 2006. *Geographic Information Science and Technology Body of Knowledge, 1st Ed.* University Consortium for Geographic Information Science. (Advisory Board)

External review of tenure materials for junior faculty in landscape architecture, 2006.

Landscape Architecture Accreditation Board Visiting Review Committee Chair, Florida International University, March 2009.

Landscape Architecture Accreditation Board Visiting Review Committee Member, Iowa State University, November 2007.

Proposal Reviewer for National Science Foundation, Army Research Office, and Federal Geographic Data Committee.