

CURRICULUM VITAE: TENLEY M. CONWAY

A. BIOGRAPHICAL INFORMATION

1. Personal

Office Contact:
3256 Davis Building
Department of Geography
University of Toronto at Mississauga
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2. Degrees

- 2004 Ph.D. Geography, Rutgers University (Thesis Title: The Ecological Impact of Future Land Use in Southeastern New Jersey, Supervisor Richard Lathrop).
2001 M.S. Geography, Rutgers University (Thesis Title: Predicting the Impacts of Future Development on Water and Terrestrial Resources Using Landscape-Level Resource Indicators, Supervisor Richard Lathrop).
1997 B.S. Natural Resources, Cornell University.

3. Employment

- 2009-Present Associate Professor, Department of Geography, University of Toronto at Mississauga.
Full Member, Geography and Planning Graduate Department, University of Toronto.
Full Member Graduate Faculty, School of Environment, University of Toronto.
Associate Member, Yeates School of Graduate Studies, Ryerson University (2010-2015)
2004-09 Assistant Professor, Department of Geography, University of Toronto at Mississauga.
2001-03 Jacques Cousteau National Estuary Research Reserve Fellow.
1997-99 Scientific Assistant, Mammalogy, American Museum of Natural History.

4. Honours

University of Toronto at Mississauga Dean's Excellence Award. 2006, 2007, 2010, 2011

NASA-MSU Professional Enhancement Award. 2003
US National Oceanic and Atmospheric Administration Walter B. Jones Award for Excellence in Graduate Study. 2003
Rutgers University Bevier Fellowship. 2003
Best Student Presentation Award, Annual Meeting of the US Chapter- International Association for Landscape Ecology. 2002
Rutgers University Graduate Fellowship. 1999

B. ACADEMIC HISTORY

6. Research

a. Research Endeavours

Human-Environment Interactions, Urban Ecosystems, Land Use/ Land Cover Change, Urban Forests, GIS

b. Research Awards

- 2016 \$6,943 from UTM Research and Scholarly Activity Fund for the project “Exploring Ecological and Socially-Relevant Diversity in the Urban Forest”. Sole investigator.
- 2014 \$1,700 from SSHRC SIG Funds for Conference Travel. Sole investigator.
- 2013 \$1,211 from SSHRC SIG Funds for Conference Travel. Sole investigator.
- 2012-17 \$220,800 from Social Sciences and Humanities Research Council of Canada (SSHRC) for the project “Seeing the forest through the people: households' relationship with urban trees”. PI **T.M. Conway**, Collaborators J. McKay (LEAF) and L. Nelson (TRCA).
- 2012 \$784 from SSHRC SIG Funds for Conference Travel. Sole investigator.
- 2011 \$1,300 from SSHRC SIG Funds for Conference Travel. Sole investigator.
- 2010 \$1,312 from SSHRC SIG Funds for Conference Travel. Sole investigator.
- 2009-12 \$74,097 from Social Sciences and Humanities Research Council of Canada (SSHRC) for the project “New Urbanism as Green Urbanism: Exploring Socio-Ecological Relationships in Toronto and Calgary”. PI **T.M. Conway**, Collaborator J. McKay (LEAF).
- 2009 \$1,379 from SSHRC SIG Funds for the project “The Role of NGOs, Homeowner Associations, and Residents in Shaping Urban Vegetation Patterns”. Sole investigator.

- 2006-09 \$44,874 from SSHRC for the project “Urbanization and Ecological Pattern in Toronto, Montreal, and Vancouver,” Sole investigator.
- 2006-08 \$20,000 from the Kawartha Heritage Conservancy for the project “Residential Development Threats in the Land Between,” Sole investigator.
- 2006-08 \$20,916 from the Connaught New Staff Matching Grant Program for the project “Urban Determinants of Ecological Variations in the Toronto Metropolitan Area,” Sole investigator.
- 2006 \$67,619 from the Canada Foundation for Innovation for infrastructure to create the Household-level Urban Socio-Ecology Laboratory, Sole investigator.
- 2006 \$67,619 from the Ontario Research Fund for infrastructure to create the Household-level Urban Socio-Ecology Laboratory, Sole investigator.
- 2005-08 \$163,000 from SSHRC for the project “Changing Urban Waterfronts,” P.I. G. Desfor (York), Co-applicants **T.M. Conway** and S. Prudham.
- 2004 \$10,000 from the Connaught Start-up Grant Program for the project “Assessing Ecological Characteristics of Suburban Landscapes”.
- 2003-04 \$17,500 (US) from the US National Oceanic and Atmospheric Administration (NOAA) for the project “Refining Resource Indicators for Coastal Management,” with R.G. Lathrop, declined.
- 2001-03 \$34,000 (US) from the US NOAA for the project “Integrating Land Use Change Models and Stakeholder Interests into a Framework for Coastal Management,” with R.G. Lathrop.

c. Proposals Funding Undergraduate Research and Instruction

- 2016 \$6,000 from UTEA-SSH for the project “Ecosystem services or ecological integrity: Exploring definitions within urban forestry” (with Danielle Coore)
- 2015 \$8,273 from UTM Writing Initiative for ENV201
- 2015 \$6,000 from UTEA-SSH for the project “Urban residents knowledge, attitudes and actions associated with native tree species” (with Fiaza Tariq)
- 2014 \$8,273 from UTM Writing Initiative for ENV201
- 2013 \$8,256 from UTM Writing Initiative for ENV201
- 2012 \$6,604 from UTM Writing Initiative for ENV201

- 2011 \$1,171 from UTM Dean's Office for the ENV399 ROP "Love your tree or your tomatoes".
- 2009 \$1,500 from UTM Dean's Office for the GGR399 ROP "Ecological Footprint of UTM".
- 2008 \$500 from UTM Dean's Office for the GGR399 ROP "Seeing the Forest through the Buildings: Mapping Urban Trees".
- 2005 \$5,000 from UTM Geography Department for the project "UTM Ecological Footprint".
- 2004 \$8,000 from UTM Office of the CAO for the project "Ecological Footprint and Campus Sustainability Assessment of UTM".

C. SCHOLARLY AND PROFESSIONAL WORK

7. Refereed Publications

*** indicates student**

a. Articles

32. **Conway, T.M.** and *V. Yip. 2016. Assessing residents' reactions to urban forest disservices: a case study of a major storm event. *Landscape and Urban Planning* 153: 1–10. doi:10.1016/j.landurbplan.2016.04.016
31. **Conway, T.M.** 2016. Home-based edible gardening: urban residents' motivations and barriers. *CATE: Cities and the Environment* in press.
30. **Conway, T.M.** 2016. Tending their urban forest: residents' motivations for tree planting and removal. *Urban Forestry and Urban Greening* 17(1): 23-32. doi: 10.1016/j.ufug.2016.03.008
29. *Almas, A.D. and **T.M. Conway**. 2016. The role of native species in municipal urban forest planning and practice: a case study of Carolinian Canada. *Urban Forestry and Urban Greening* 17: 54–62. doi:10.1016/j.ufug.2016.01.015
28. **Conway, T.M.** and *J. Vander Vecht. 2015. Growing a diverse urban forest: species selection decisions by practitioners planting and supplying trees. *Landscape and Urban Planning* 138: 1–10.
27. *Vander Vecht, J. and **T.M. Conway**. 2015. Comparing species composition and planting trends: exploring pest vulnerability in Toronto's urban forest. *Arboriculture and Urban Forestry* 41(1): 24–37
26. **Conway, T.M.** and *K. Brannen. 2014. Who is tending their garden? edible gardens as a residential landscaping choice. *CATE: Cities and the Environment* 7(2): art. 10

25. **Conway, T.M.** and *E. Bang. 2014. Willing partners? residential support for municipal urban forestry policies *Urban Forestry and Urban Greening* 13: 234–243.
24. *Bourne, K.S. and **T.M. Conway**. 2014. The influence of land use type and municipal context on urban tree species diversity. *Urban Ecosystems* 17:329–348.
23. *Shakeel, T. and **T.M. Conway**. 2014. Individual households and their trees: fine-scale characteristics shaping urban forests. *Urban Forestry and Urban Greening* 13: 136–144.
22. *Shrestha, N. and **T.M. Conway**. 2013. Mapping exurban development: can road and census data act as surrogates? *Cartographica* 48(3): 237–249.
21. **Conway, T.M.** and *K. Bourne. 2013. A comparison of neighborhood characteristics related to canopy cover, stem density and species richness in an urban forest *Landscape and Urban Planning* 113(1): 10-18. DOI: 10.1016/j.landurbplan.2013.01.005.
20. *Weaver, J.E., **T.M. Conway**, M.J. Fortin. 2012. How landscape factors' correlation with an invasive bird's distribution change with spatial scales. *Landscape Ecology* 27 (9): 1351-1362.
19. **Conway, T.M.** and *C. Wellen. 2011. Not developed yet? addressing no change locations in land use models. *International Journal of Geographic Information Systems* 25(10): 1613-1631.
18. **Conway, T.M.**, *T. Shakeel, and *J. Attalha. 2011. Community groups and urban forestry activity: drivers of uneven canopy cover? *Landscape and Urban Planning* 101 (4): 321-329.
17. *Shrestha, N. and **T.M. Conway**. 2011. Mapping exurban development across large spatial extents. *Applied Geography* 30: 171-180.
16. **Conway, T.M.** 2009. Local environmental impact of alternative forms of residential development. *Environment and Planning B: Planning and Design* 36: 927-943.
15. **Conway, T.M.** 2009. The impact of class resolution in land-use change models. *Computers, Environment and Urban Systems* 33(4): 269-277.
14. *Lackner, M. and **T.M. Conway**. 2008. Determining land-use information from land cover through an object-oriented classification of IKONOS imagery. *Canadian Journal of Remote Sensing* 34(2): 77-92.
13. **Conway, T.M.**, *C. Dalton, *J. Loo, and *L. Benakoun. 2008. Developing ecological footprint scenarios on university campuses: a case study of the University of Toronto at Mississauga. *International Journal of Sustainability in Higher Education* 9(1): 4-20.

12. **Conway, T.M.** 2007. Impervious surface as an indicator of pH and specific conductance in the urbanizing coastal zone of New Jersey, USA. *Journal of Environmental Management* 85(2): 308-316.
11. **Conway, T.M.** and *L. Urbani. 2007. Variations in municipal urban forestry policies: a case study of Toronto, Canada. *Urban Forestry and Urban Greening* 6(3): 181-192.
10. *Fung, F. and **T.M. Conway**. 2007. Greenbelts as an environmental planning tool: a case study of southern Ontario, Canada. *Journal of Environmental Policy and Planning* 9(2): 101-117.
9. **Conway, T.M.** and J. Hackworth. 2007. Urban pattern and land cover variation in the greater Toronto area. *The Canadian Geographer* 51(1): 43-57.
8. **Conway, T.M.** 2006. Can broad land use policies maintain connections between protected green spaces in an urbanizing landscape? *Landscape Journal* 25(2): 218-227.
7. **Conway, T.M.** 2005. Current and future patterns of land-use change in the coastal zone of New Jersey. *Environment and Planning B: Planning and Design* 32(6): 877-893.
6. **Conway, T.M.** and R.G. Lathrop. 2005. Modeling the ecological consequences of land use policies in an urbanizing region. *Environmental Management* 35(3): 278-291.
5. **Conway, T.M.** and R.G. Lathrop. 2005. Alternative land use regulations and environmental impacts: assessing future land use in an urbanizing watershed. *Landscape and Urban Planning* 70(1): 1-15.
4. **Conway, T.M.** and K.F. Nordstrom. 2003. Characteristics of topography and vegetation at boundaries between the beach and dune on residential shorefront lots in two municipalities in New Jersey, USA. *Ocean and Coastal Management* 46(6-7): 635-648.
3. **Conway, T.M.** 2002. Getting watershed management to work: a framework for understanding interorganizational relationships. *Middle States Geographer* 35: 1-12.
2. Simmons, N.B. and **T.M. Conway**. 2001. Phylogenetic relationships of mormoopid bats (Chiroptera: Mormoopidae) based on morphological data. *Bulletin of the American Museum of Natural History* 285: 1-97.
1. Lunde, D.P., **T.M. Conway**, and P. Beresford. 2001. Notes on a collection of bats (Chiroptera) from Dzanga-Sangha, Central African Republic. *Mammalia* 65(4): 535-540.

b. Book Chapters

Conway, T.M. 2011. Boundaries and connectivity: The Lower Don River and Ashbridge's Bay. In *Reshaping Toronto's Waterfront*, (Ed. G. Desfor and J. Laidley). University of Toronto Press, Toronto.

Simmons, N.B. and **T.M. Conway**. 2003. Evolution of ecological diversity in bats. In *Bat Ecology* (T. Kunz and M.B. Fenton, eds.) University of Chicago Press, Chicago. Pp. 493-535.

c. Scholarly Work in Progress

*A. Almas and **T.M. Conway**. Residential knowledge of native tree species: A case study of residents in four southern Ontario municipalities. In Review.

T.M. Conway and *M. Jalali. Urban forests representation in Canadian newspapers: impacts of a major ice storm. In prep.

T.M. Conway and *A. Lue. Protecting urban trees: knowledge and attitudes towards private tree protection by-laws in Canada. In prep.

*A. Robb and **T.M. Conway**. Urban forest canopy change: impacts of an ice storm. In prep.

*K. Watt and **T.M. Conway**. Implementing the Oak Ridges Moraine Act: change, challenges, and opportunity of a landscape plan. In prep.

8. Non-Refereed Publications

Conway, T.M., A. Lue, and V. Yip. 2015. Resident support and awareness for urban forestry policy and municipal actions after the December 2013 Ice Storm. Final Report.

Conway, T.M. and N. Shrestha. 2008. *Final Report: Residential Development Threats in the Land Between*, submitted to Kawartha Heritage Conservancy. 23 pp.

Conway, T.M. 2003. *Ecological Impacts of Future Land Use in Southeastern New Jersey*. Unpublished Ph.D. Dissertation, Rutgers- The State University of New Jersey, 270 pp.

Conway, T.M. 2003. *Final Report, Impact of land use policies on future urban development in the New Jersey coastal zone*, Submitted to NOAA. 66 pp.

Lathrop, R.G., S. Haag, and **T.M. Conway**. 2003. *Changing Land Use in the Mullica River Watershed*. Grant F. Walton Center for Remote Sensing and Spatial Analysis, Technical Report, 20 pp.

Lathrop, R.G. and **T.M. Conway**. 2001. *A Build-Out Analysis of the Cohansey Watershed*. Grant F. Walton Center for Remote Sensing and Spatial Analysis, Technical Report 2001-03, 11 pp.

- Lathrop, R.G. and **T.M. Conway**, 2001. *A Build-Out Analysis of the Barnegat Bay Watershed*. Grant F. Walton Center for Remote Sensing and Spatial Analysis, Technical Report 2001-02, 11 pp.
- Conway, T.M.** 2001. *Predicting the Impacts of Future Development on Water and Terrestrial Resources Using Landscape-Level Resource Indicators, in the Barnegat Bay Watershed*. Masters Thesis, Rutgers- The State University of New Jersey, 121 pp.
- Conway, T.M.** 2001. *If only you knew...Guide for Geography Graduate Students*. Department of Geography, Rutgers- The State University of New Jersey, 6 pp.

10. Papers Presented and Sessions Organized at Meetings and Symposia

2016. Panelist. Critical issues in Urban Forestry, Annual Meeting of the Association of American Geographers, March 2016.
2016. "Trees In the City". Four organized sessions with 20 participants, Annual Meeting of the Association of American Geographers, San Francisco, co-organizer S. Landry
2016. "Mapping canopy change in an urban forest following an ice storm event", Annual Meeting of the Association of American Geographers, San Francisco (with *A. Robb).
2016. "Return of the native?: a case study of residents' knowledge of native tree species and urban forest management in four southern Ontario municipalities", Annual Meeting of the Association of American Geographers, San Francisco (with *A. Almas).
2016. Participant. Growing the Urban Forest Workshop, Socio-Ecological Systems National Synthesis Center, Annapolis. Invited.
- 2015 "Successes and challenges in implementing the Oak Ridges Moraine conservation plan", Annual Meeting of the Canadian Association of Geographers, Ontario Division, Ottawa (with *K. Watt).
- 2015 "Residents growing the urban forest: moving from positive attitudes to positive actions", Casey Trees' Biennial Conference, Washington DC. Refereed.
- 2015 "Managing the risks: residents' experiences and support for urban forest management after an ice storm", Annual Meeting of the Association of American Geographers, Chicago (with *V. Yip).
- 2015 "The role of native species in Ontario urban forest management plans and municipal planting practice", Annual Meeting of the Association of American Geographers, Chicago (with *A. Almas).
- 2015 "Trees in the City". Annual Meeting of the Association of American Geographers; Session Organizer, Five organized sessions with 25 presenters, Chicago (with S. Landry)
- 2014 "Native trees in Carolinian Canada: questioning their role in urban forest management plans", CAG-ONT, Toronto (with *A. Almas).
- 2014 "Residents and their Trees: Motivations and Barrier to Planting and Removal," Annual Meeting of the Association of American Geographers, Tampa.
- 2014 "Trees in the City." Four organized sessions with 20 presenters, Annual Meeting of the Association of American Geographers, Tampa (with S. Landry).
- 2014 "If a Tree Falls in the Urban Forest: Current and Future Pest Vulnerability of Toronto's Urban Forest, Annual Meeting of the Association of American Geographers, (with *J. Vander Vecht).

- 2013 “Examining Resilience in Toronto’s Urban Forest: How Local Actors Influence Pest Vulnerability,” Annual Meeting of the Canadian Association of Geographers, St. Johns (with* J. Vander Vecht).
- 2013 “Willing Partners? Residents' attitudes towards municipal urban forest policies,” Annual Meeting of the Association of American Geographers, Los Angeles.
- 2013 “Who is Tending Their Yard: Property-level correlates of urban tree conditions,” Annual Meeting of the Association of American Geographers, Los Angeles (with *T. Shakeel).
- 2013 “Trees in the City: Policies, people and the extent of the urban forests,” Annual Meeting of the Association of American Geographers; Session Organizer, 15 speakers in 3 sessions, Los Angeles (with S. Landry).
- 2012 “Predicting The Invasive Mute Swan's Range Expansion Using Climate Change and Urbanization Scenarios,” SCB North American Congress for Conservation Biology (with *J. Weaver and M.-J. Fortin).
- 2012 “Seeing the People through the Trees: Exploring the role of people in shaping biophysical components of the urban environment,” Annual Meeting of the Canadian Association of Geographers. Waterloo, ON.
- 2012 “Tomatoes or Trees: Meeting Urban Agriculture and Urban Forestry Goals in the Same Backyard,” Annual Meeting of the American Association of Geographers. New York (with K. Brannen and T. Shakeel).
- 2012 “Trees in the City: The Extent, Drivers, and Benefits of Urban Forests,” Annual Meeting of the American Association of Geographers. Session Organizer, 15 speakers in 3 sessions. New York (with A. Berland).
- 2012 “Quantifying Ecological Implications of Exurban Development: A GIS Perspective,” Annual Meeting of the American Association of Geographers. New York (with N. Shrestha).
- 2012 “Factors Explaining an Invasive Species' Distribution in Both its Native and Non-Native Ranges,” Annual Meeting of the American Association of Geographers. New York (with J. Weaver)
- 2012 “Residents as Urban Tree Stewards: Examining Household-Level Variables as Predictors of Urban Tree Cover,” Annual Meeting of the American Association of Geographers. New York (with T. Shakeel).
- 2011 “Invasive species Undeterred by Increasing Urbanization and Climate Change,” Annual Meeting of the American Geophysical Union. San Francisco (With J. Weaver).
- 2011 “Gardens vs trees a peek into the backyards of Mississauga’ Forests: Rooted in our Community, a ‘Friends of the Credit’ Stewardship Forum and Volunteer Appreciation Event (with T. Shakeel).
- 2011 “Households and Urban Trees: Attitudes and Planning Activity in Mississauga, Ontario,” Annual Meeting of the Ontario Division of the Canadian Association of Geographers (with T. Shakeel).
- 2011 “Urban Forests: Patterns and Drivers,” Annual Meeting of the American Association of Geographers. Session Organizer, a five speaker session. Seattle, WA. (with A. Berland).
- 2011 “Species Diversity in an urban forest: patterns and correlates,” Annual Meeting of the American Association of Geographers. Seattle, WA. (with K. Bourne).
- 2011 “Exurban development: barrier effects on wildlife movement,” Annual Meeting of the US-International Association of Landscape Ecology. Portland, OR. (with N. Shrestha)

- 2011 “The correlation between urban landscapes and an invasive species distribution,” Annual Meeting of the US-International Association of Landscape Ecology. Portland, OR. (with J. Weaver and M.-J. Fortin).
- 2010 “The Relationship between the urban landscape and invasive species’ distribution in Ontario” Annual Meeting of CAGONT. Toronto, ON. (with J. Weaver and M.-J. Fortin).
- 2010 “Where will they pave first, or: How best to model urban growth: Presence/absence or presence only methods?” Annual Meeting of the Association of American Geographers. Washington, DC. (with C. Wellen).
- 2010 “How local governments and NGOs grow the urban forest: A case study of the Greater Toronto Area.” Annual Meeting of the Association of American Geographers. Washington, DC.
- 2010 “Seeing the trees through the buildings: the benefits and drivers of urban forests.” A five speaker session. Annual Meeting of the Association of American Geographers. Washington, DC.
- 2010 “Where will they pave first, or: How best to model urban growth: Presence/absence or presence only methods?” Annual Meeting of the Association of American Geographers. Washington, DC. (with C. Wellen).
- 2009 “How best to model urban growth: presence-absence methods or presence only methods?” CAG-ONT, Mississauga, ON. (with C. Wellen).
- 2009 “Urban ecosystems: exploring social and biophysical interactions” A four person panel session at the Annual Meeting of the Association of American Geographers. Las Vegas, NV.
- 2008 “Mapping exurban development at large spatial extents using multiple geomatic approaches,” Annual Meeting of the Association of American Geographers. Boston, MA (with N. Shrestha).
- 2008 “Extracting exurban development,” US Chapter- International Association for Landscape Ecology. Madison, WI (with N. Shrestha).
- 2007 “Alternative geomatic approaches to developing spatially disaggregate data on exurban development,” Annual Meeting of the Association of American Geographers. San Francisco, CA (with N. Shrestha).
- 2007 “Use of ancillary data in an object-oriented classification of urban land-cover,” Annual Meeting of the Association of American Geographers. San Francisco, CA (with M. Lackner).
- 2006 “Urban form and ecological variation in the Greater Toronto Area,” Annual Meeting of the International Seminar on Urban Form. Stockholm, SE.
- 2006 “Urban form, ecological pattern and sustainability in the Greater Toronto Area,” Annual Meeting of the RGS-IBG. London, UK.
- 2006 “Urban pattern and ecological heterogeneity in the Greater Toronto Area,” Annual Meeting of the US Chapter- International Association for Landscape Ecology. San Diego, CA.
- 2006 “The relationship between urban form and NDVI in the Toronto Metropolitan Area,” Annual Meeting of the Association of American Geographers. Chicago, IL.
- 2005 “Measuring habitat connectivity in urbanizing regions,” Annual Meeting of the American of Association Geographers. Denver, CO.

- 2005 “Maintaining connectivity between protected open space in a suburbanizing landscape,” Annual Meeting of the US Chapter- International Association for Landscape Ecology. Syracuse, NY.
- 2004 “Predicting future land use patterns in the coastal zone,” Annual Meeting of the Canadian Association of Geographers. Moncton, NB.
- 2004 “Moving beyond inhospitable oceans: representing urban/suburban landscapes for environmental monitoring,” Annual Meeting of the American of Association Geographers. Philadelphia, PA.
- 2003 “The impact of future urban development on habitat connectivity in southeastern New Jersey,” Annual Meeting of the Canadian Association of Geographers. Victoria, BC.
- 2003 “Modeling the impact of land use policies on landscape pattern change,” Annual Meeting of the US Chapter- International Association for Landscape Ecology. Banff, AB (with R.G. Lathrop).
- 2002 “Getting watershed management to work: understanding the relationships between organizations,” Annual Meeting of the Middle States Chapter, American Association of Geographers. Upper Montclair, NJ.
- 2002 “The impact of future development on water and terrestrial resources in the Barnegat Bay Watershed, NJ,” Annual Meeting of the US Chapter- International Association for Landscape Ecology. Lincoln, NE (with R.G. Lathrop).
- 2002 “Predicting future resource changes using landscape-level resource indicators in a coastal watershed,” Annual Meeting of the American Association of Geographers. Los Angeles, CA.
- 2001 “Using GIS to determine non-point source water pollution under different build-out scenarios, in the Barnegat Bay Watershed, NJ,” Annual Meeting of the American Association of Geographers. New York (with R.G. Lathrop).
- 2001 “GIS and Urban Sprawl,” A five speaker session at the Annual Meeting of the American Association of Geographers. New York (with J. Hasse).
- 1998 “Evolution of mormoopid bats,” 28th Annual North American Bat Meetings. Hot Springs, AR (with N.B. Simmons).
- 1998 “Phylogeny and biogeography of mormoopids (Chiroptera: Mormoopidae),” Annual Meeting of the American Society of Mammalogists. Blacksburg, VA (with N.B. Simmons).

11. Invited Lectures

- 2015 ‘Managing the urban ecosystem’, Munk Center, University of Toronto.
- 2014 ‘Who’s growing Mississauga’s urban forests?’ as part of the Discovery Series, Riverwood Conservancy.
- 2010 Panelist, “Academic Choices and Challenges” session in Considering An Academic Career? The Path to Get There workshop, Organized by the Status of Women Office, UofT.
- 2010 Panelist, “Publish or Perish?” session in the Professional Development Workshop, Geography, University of Toronto.
- 2009 “Drivers and patterns of exurban development in the Land Between,” 3rd Annual Land Between Research Forum, Peterborough, ON.

- 2009 “Patterns of vegetation across the Greater Toronto Area: the role of urban form, policy and neighbourhood socio-economics, Centre for Environment Research Day, University of Toronto.
- 2007 “Mapping Exurban development in the Land Between,” Land Between Research Forum, Peterborough, ON.
- 2006 Panelist, “Bridging the Gap between Human and Physical Geography,” Intersections Speaker Series, University of Toronto.
- 2006 “How big are UTM’s shoes? urban ecology and ecological footprints,” Toronto Undergraduate Geography Society, UTM, with C. Stewart.
- 2005 Panelist, “Contested Cities” Intersections Speaker Series, Department of Geography, University of Toronto.
- 2003 “Changing land use in the Mullica River Watershed: past and future trends,” Municipal Decision-Makers Workshop, sponsored by the Jacques Cousteau National Estuary Research Reserve.
- 2003 “Modeling the ecological impacts of future urban development,” Rutgers University, Department of Ecology.
- 2003 “The ecological imprint of urban development in southern New Jersey, USA” University of Toronto, Department of Geography.
- 2002 “The future of Barnegat Bay: land use and watershed planning,” Barnegat Light Taxpayers Association, Barnegat Light, NJ.
- 2002 “A build-out analysis of the Cohansey Watershed,” Sponsored by the Delaware Bay Estuary Foundation.
- 2001 “Searching for bats in the Central African Republic,” Rutgers University, Department of Geography.
- 2001 “A build-out analysis of the Barnegat Bay Watershed,” Department of Planning, Ocean County, NJ.
- 2001 “A build-out analysis of the Barnegat Bay Watershed,” Public presentation sponsored by the Barnegat Bay Estuary Program and the NJ Agricultural Extensions Office, Ocean County, NJ.

D. LIST OF COURSES TAUGHT AND STUDENT SUPERVISION

12. List of Courses

a. Undergraduate Courses Taught

Environmental and Resource Management (GGR234/ENV201), UTM: 2004-07, 09-15
 Biogeography (GGR305), UTM: 2005-07, 10, 12-16
 Managing Urban Ecosystems (ENV425), UTM: 2014-15
 The Geography of Food (GGR419/ENV420), UTM: 2009, 11-13
 Human Dimensions of Environmental Change (GGR322): UTM: 2004-05
 Geographic Information Systems, Rutgers University: 2002
 Introduction to Environmental Geography, Rutgers University: 2001

b. Graduate Courses Taught

Managing Urban Ecosystems (JPG1428) UofT: 2016
Urban Forests; Community Gardens (3 GGR1149), UofT: 2016
Environmental Consequences of Land Use Change (JPG1416), UofT: 2004-06, 08
Greenbelts and the Oak Ridges Moraine (GGR1149), UofT: 2015
Urban Land Use Change (PLA1149), UofT: 2009
Urban Ecology: The Role of Native and Non-Native Species (GGR2149), UofT: 2013

c. Thesis Supervision

1. Graduate Students, primary supervisor

Vivian Yip. (M.Sc., supervisor) Patterns of diversity in the urban forest, ongoing since 2015.
Talha Khan (M.Sc., supervisor) Urban forest diversity and climate vulnerability, ongoing since 2015.
Adrian Lue (M.A., supervisor) Community garden participants' motivations and challenges across different socio-demographic groups and urban forms, ongoing since 2015.
Angela Robb (M.Sc., supervisor) Mapping changes in the urban forest from a major ice storm, ongoing since 2014.
Kathleen Watt (M.A., supervisor) Evaluating the Oak Ridge's Moraine: plan implementation and land cover impacts, ongoing since 2014.
Andrew Almas (Ph.D., supervisor) Policy, practice and attitudes towards native urban tree species in Carolinian Canada, ongoing since 2012.
Anna Melikian (M.Sc.Pl., Current Issues Paper (CIP) supervisor), Examining tools for parkland acquisition and maintenance in three suburban communities: Mississauga, Oakville and Markham, completed 2015.
Jennifer Vander Vecht (M.A., supervisor) Urban tree species selection choices and pest vulnerability, completed 2014.
Seth Wright (M.Sc.Pl., Current Issues Paper (CIP) supervisor), Permaculture principles in planning building climate change resilient cities, completed 2014.
Christopher Wellen (Ph.D., co-supervisor), Quantifying urban and agricultural nonpoint source phosphorus fluxes using distributed watershed models and Bayesian Inference, completed 2013.
Mike George Dean (M.Sc.Pl., Current Issues Paper (CIP) supervisor), Measuring the success of stream restoration projects: an evaluation of five Ontario Conservation Authorities, completed 2013.
Michelle Berquist (M.Sc.Pl., Current Issues Paper (CIP) supervisor), Stormwater infrastructure on private land: accountability through accounting, completed 2013.
Jennifer Weaver (Ph.D., co- supervisor) Invasive Species Distribution Models: An Analysis of Scale, Sample Selection Bias, Transferability and Prediction, completed 2012.
Tooba Shakeel (M.Sc., supervisor) Homeowners as Urban Forest Managers - Examining the Role of Property-level Variables in Predicting Variations in Urban Forest Quantity Using Advanced Remote Sensing and GIS Methodologies, completed 2012.
Namrata Shrestha (Ph.D., supervisor) Exurban development and biodiversity in a mosaic ecotone, completed 2012.

Maria McGibbon (M.Sc.Pl., Current Issues Paper (CIP) supervisor), The archetype sustainable house, completed 2012.

Aubrey Iwaniw (M.Sc.Pl., Current Issues Paper (CIP) supervisor), Beyond the Tap: groundwater planning issues in southern Ontario, completed 2011.

Kirstin Bourne (M.Sc., supervisor) The biogeography of Peel's urban forest: patterns and correlates of species diversity, completed 2011.

Dema Ali (M.Sc.Pl., Current Issues Paper (CIP) supervisor), Greening development applications, completed 2010.

Liviu Timotin (M.Sc.Pl., Current Issues Paper (CIP) supervisor) LEED ND: Building greener and healthier neighborhoods, completed 2009.

Amanda O'Rourke (M.Sc.Pl., Current Issues Paper (CIP) supervisor) Planning for the urban forest in urbanizing landscapes: lessons from three Ontario case studies, completed 2007.

Mike Lackner (M.Sc., co-supervisor) Development of an object-oriented urban land use classification scheme, completed 2006.

Jo Ashley (M.S.A., supervisor) Using GIS to assess the potential for solar energy generation in residential neighbourhoods in Mississauga, completed 2006.

Kirk Biggar (M.Sc.Pl., CIP supervisor) Greener on the other side? Alternative planning for employment lands in an emerging policy framework, completed 2006.

Carmen Pearsall (M.Sc.Pl., CIP supervisor) Inclusion of natural heritage policies into the city of Toronto's Plan, completed 2005.

2. Graduate Students, committee member

Tingdong Guo (Ph.D., University of Canterbury, committee member) Exploring the effects of redevelopment on urban forests in Christchurch, New Zealand, ongoing since 2016.

Ambika Tenneti (Ph.D. committee member), Community engagement in urban forest management, ongoing since 2016.

Bing Lu (Ph.D. committee member), Simulating chlorophyll content for Canadian grasslands: a remote sensing and modeling integrated approach, ongoing since 2014.

Jian Yang (Ph.D. committee member), Establishing a hardwood resource inventory for southern Ontario: crown delineation and species classification at individual tree level using multispectral aerial images, ongoing since 2014.

Sadia Butt (Ph.D. Forestry, committee member), Urban forests in Mississauga: citizens' access to green spaces and decision-making venues, ongoing since 2012.

Nicole Percival (M.Sc.Pl., second reader), This is bear country: making space for largescale ecological corridors for wildlife movement in Alberta's regional planning process, completed 2016.

Emily Macrae (M.Sc.Pl., second reader), Apartment tower renewal in Toronto: what motivates private sector participation? completed 2016.

Janani Savarajah (Ph.D. external proposal defense committee member), Benefits of shade trees in school yards, December 2015

Amy Mui (Ph.D. SGS Committee), A multi-temporal remote sensing approach to freshwater turtle conservation, completed 2015.

Christopher Greene (Ph.D., Ryerson University, committee member), Integrating sustainability subsystems in the management of urban forests, completed 2015.

Kerry Thompson (M.Sc.Pl., second reader), Contested Ground: Provincial Policy and Local Land Use Planning for Sea-level Rise in British Columbia, completed 2015.

Kathleen Egan, (M.Sc., committee member), Shoreline modification impacts on lake ecology as a result of intensive cottage cluster development, completed 2014.

Alexander Tong, (M.Sc., committee member), Estimating grassland chlorophyll content for a mixed grassland: exploring the performance of the empirical-statistical and the physical modeling approach, completed 2014.

Stephanie Gagliardi (M.Sc., committee member), Intraspecific trait plasticity in coffee agroforestry systems of Costa Rica, completed 2014.

Seana Richardson (M.Sc.Pl., second reader), Aggregate recycling in Ontario: challenges and opportunities, completed 2014.

Assunta Saliola (M.Sc., committee member), Object-based image analysis for the delineation of canopy gaps and individual tree crowns using multi-source data: A case study in Haliburton Forest, Ontario, completed 2013.

Diana Chang (Masters, Queens, external committee member), Tree and priority investment neighbourhoods: Implications and opportunities for environmental equity in Toronto.

Zarar Siddiqi (Masters, committee member), Dynamic ridesharing: is technology important? Completed 2012.

Tom Young (Ph.D. committee member), Forest management and local politics in Vermont, completed 2011.

Sylvia Adamick (M.F.C., external supervisor), Reconciling environmental sustainability with urbanization through the retention and development of green infrastructure, completed 2011.

Carlos Avendaño (M.Sc., committee member), Recreating historical land use in Guatemala, completed 2011.

Jennifer Forkes (Ph.D., committee member), Toronto's urban food metabolism: environmental impacts and municipal response, completed 2011.

Zoe Dalton (Ph.D. committee member), Building supportive collaborations: developing first nations/non-aboriginal partnerships in the restoration of southern Ontario's endangered black oak savannahs, completed 2010.

Adam French (Ph.D. SGS defense committee), Rapid assessment of the impacts of climate change (RAICC): An integrated approach to understanding climate change in the Halton region of Ontario, Canada. 2010.

Malik Sohrab (M.Sc.Pl., second reader), Reporting of land use indicators, completed 2009.

Aisling Brady (M.Sc., committee member), The distribution of coral, reefs and coastal habitats in North Central Cuba, completed 2008.

Katherine Mitchell (M.Sc.Pl. second reader), White or green? identifying a natural heritage system in the white belt, completed 2008.

Patrick Hodgson (M.Sc. committee member), Development of a fuzzy-based methodology for GIS-based habitat modeling using the worm-eating warbler (*Helmitheros vermivora*) as a case study, completed 2006.

Elizabeth Noble (M.A. committee member), A place and space for change: exploring residents' perceptions of their natural environment and health in Malton (Mississauga), Ontario, completed 2006.

J. Marvin R. Macaraig (Ph.D. exam committee member), Constructing a livable Toronto: civil society, science, and politics in urban environmental issues, 2005.

Rajendra Khajuria (Ph.D. Forestry, exams committee member), Modeling forest management alternatives, 2005.

3. Undergraduate students

- Xin Ning Cheah (ENV399: Research Opportunity Program) Where is that tree from? residents' knowledge about native tree species in the urban forest, Summer 2015.
- Faiza Tariq (ENV399: Research Opportunity Program) Where is that tree from? residents' knowledge about native tree species in the urban forest, Summer 2015.
- Danielle Coore (GGR399: Research Opportunity Program) Residents and trees: knowledge, attitudes and actions related to native species, Summer 2015.
- Adrian Lue (undergraduate thesis) Residential support for municipal private tree protection by-laws, AY 2014-2015.
- Vivian Yip (undergraduate thesis) Residents experiences and attitudes towards the urban forest after a major ice storm, AY 2014-2015.
- Kiran Shahzad (ENV399: Research Opportunity Program) Mississauga's adoption of a new private tree by-law, Summer 2014.
- Murtza Jalali (ENV399: Research Opportunity Program) Trees in the news, Summer 2014.
- Tricia Badal (GGR399: Research Opportunity Program) Who's eating their backyard? Exploring motivating factors and barriers to home-based edible gardens, Summer 2013.
- Lara Cosca (ENV399: Research Opportunity Program) Trees, tomatoes, or both: exploring residents' landscaping choices, Summer 2012.
- Elizabeth Bang (undergraduate thesis) Level of Support for Tree and Garden-Related Policies in the City of Mississauga, AY 2011-2012.
- Kyle Brannen (undergraduate thesis) Home-based edible gardening in Mississauga, AY 2011-2012.
- Elizabeth Bang (ENV399: Research Opportunity Program) Love your tree or your tomatoes?, Summer 2011.
- Kyle Brannen (ENV399: Research Opportunity Program) Love your tree or your tomatoes?, Summer 2011.
- Ray Ziemba (ENV399: Research Opportunity Program) Love your tree or your tomatoes?, Summer 2011.
- Joanna Attallah (GGR399: Research Opportunity Program) Tending our yards: Managing urban vegetation, AY 2009-2010.
- Tooba Shakeel (undergraduate thesis) Role of Business Improvement Associations in Urban Forest Management, AY 2009-2010.
- Meshal Waqar (GGR399: Research Opportunity Program) Student commuting and the Ecological Footprint of UTM, AY 2009-2010.
- Suzanna Svajda (GGR399: Research Opportunity Program) Ecological Footprint of URM, Summer 2009.
- Tooba Shakeel (GGR399: Research Opportunity Program) Ecological Footprint of UTM, Summer 2009.
- Kirstin Bourne (GGR498: Independent Study) Climate change and Mississauga's street trees, Fall 2008.
- Garrett Lim (GGR399: Research Opportunity Program) Seeing the forest through the buildings: mapping urban trees, Summer 2008.
- Disha Gori (GGR399: Research Opportunity Program) Seeing the forest through the buildings: mapping urban trees, Summer 2008.
- Ashley Elliott (GGR399: Research Opportunity Program) UTM residence students' ecological footprint, Summer 2007.

Alvino Gani (GGR399: Research Opportunity Program) Footprinting faculty and staff commuting patterns to UTM, Summer 2007.

Aastha Sahdev (undergraduate thesis, supervisor) Analyzing land cover in suburban neighborhoods of Mississauga, ON, Summer 2005.

Jennifer Loo (St. George 299 summer, co-supervisor) Ecological Footprint at UTM, completed 2005.

David Kerins (undergraduate thesis, supervisor) Predicting land use change in Mississauga, ON, completed 2005.

Chelsea Stewart (UTM funded project, supervisor) University of Toronto at Mississauga campus sustainability assessment, completed 2006.

Greg Bunker (UTM funded project, supervisor) Calculating the ecological footprint of the University of Toronto at Mississauga, completed 2004.

D. Other Teaching

1. Multi-day Workshops

- 2001 Course Instructor, Environmental Planning and GIS Workshop, Woodrow Wilson Fellowship Foundation, Princeton University.
- 2001 Workshop Instructor, Jacques Cousteau National Estuary Research Reserve, Tuckerton, NJ.

2. Teaching Sessions/ Guest Lectures

- 2014-16 “Transcription,” four hours of instruction for utmONE’s Program for Accessing Research Training.
- 2010 “Geographic patterns of biodiversity,” Presentation and Q&A session on note taking for Head Start Science
- 2009 “Quantitative Methods in Environmental Research,” Presentation for JPG1111 Research Design, University of Toronto.
- 2008 “Women in Physical Geography,” Panelist for GGR1200 Physical Geography Core Course”, University of Toronto.
- 2001 “Land management in New Jersey,” Guest Lecture for Transforming the Global Environment, Rutgers University.
- 2001 “Geographic information systems and spatial analysis,” Guest Lecture for Geographic Research Methods, Rutgers University.
- 2001 “Using GIS in geography,” Guest Lecture for Introduction to Geography, Rutgers University.
- 2001 “Environmental planning and GIS,” Guest Lecture for Environmental Planning and the Development Process, Rutgers University.

E. Administrative Positions

13.

a. Academic Service and Committees within the University

1. Department

TA Allocation Committee (2013-2016)
Teaching Mentor for Olive (ongoing since 2012)
Teaching Mentor for Brown (ongoing since 2014)
Research Mentor for Besco (ongoing since 2015)
Tri-campus Graduate Committee, Geography (2005-06; 2009-10; 2011-13; 2013-14; 2015-16)
Mentor, Sessional Instructors (2012-2016)
Director, UTM Environment Programs (2009-10, 11-15)
Advisor for Environmental Management Program (2004-15)
MScSM Job Search Committee (2015)
Graduate Student Award (SSHRC) Committee (2014-15)
St.G. CUSP Job Search Committee (2014)
Member of Geography Lecturer Second-Year Review Committee (2014)
PTR Committee (2014)
Teaching Mentor for He (2009-14)
MSSM Job Search Committee (2013-2014)
Status-Only Appointments Committee (2013-2014)
Member of Geography Tenure Candidate Committee (2014)
Chair, Geography Third-year Review Committee, (2013)
Internal Reviewer, for promotion to Senior Lecturer candidate (2013)
Human Geography Lecturer Search Committee (2012-13)
Business Manager (maternity leave replacement) Search Committee (2013)
Visiting Professor Committee (2012-13)
UTM Geography Graduate Committee (2012-13)
Reviewer, teaching dossier for full professor candidate (2013)
Environmental Policy Job Search Committee (2011-12)
Member of Geography Tenure Candidate Committee (2012)
Member of Geography Third-year Review Committee, Chair (2011)
Graduate Curriculum Review Committee member (2010)
Remote Sensing Job Search Committee, Geography (2008-09)
Graduate Expansion Funds Award Committee (2009)
UTM-Geography OCGS Committee (2008)
Graduate Admissions Committee, Program in Planning (2006-07)
NSERC-URSA Ranking Committee, Geography (2006; 2008)
Spatial Analysis Job Search Committee, Geography (2004-05)

2. College/ University

University of Toronto Sustainability Board Member (ongoing since 2007)
PART Advisory Committee (2015-16)
MSSM Program Committee (2011-2015)
UTM SSHRC Peer Reviewer Pool (2015)
UTM Academic Affairs Committee (2013-14)

Steering Committee, Center for Environment (2009-12)
Graduate Research and Leadership Awards Committee (2012)
UTM Program Review Committee (2009-10, 2011-13)
UTM Planning and Resources Committee (2011-13)
Dean's Rep: CCIT's New Media Search (2011-12)
Environment@UofT Advisory Committee (2010)
External reviewer for promotion to Senior Lecturer candidate, UofT, Innis College, 2009
Hiring Committee, UTM Research and Graduate Administrative Assistant (2006)
Landscape Ecology Search Committee, Biology (2005-06)

b. External Service and Committees

Editorial Board, Landscape and Urban Planning, since 2013
External reviewer for tenure candidate at Ohio University, 2011
External reviewer for tenure and promotion candidate at SUNY Oneonta, 2009
Land Between Working Group, 2005-09
Curriculum Review for Memorial University of Newfoundland, Sir Wilfred Grenfell College's
proposal for a Sustainable Resource Management Program, 2006
Judge for Landscape Ecology Student Paper Competition, 2005, 2006

F. Other Relevant Information

a. Affiliations

Canadian Association of Geographers
Association of American Geographers
International Association of Landscape Ecology
Environmental Studies Association of Canada

b. Referee Work

1. Manuscript Reviewer

African Geographical Review; AIMS Environmental science; Area (2); Biological Conservation (2); The Canadian Geographer (2); Canadian Journal of Higher Education; Canadian Journal of Forest Research; Canadian Journal of Remote Sensing; CATE: Cities and the Environment; Cities (2); Computers, Environment and Urban Systems (9); Diversity and Distributions; Ecological Modelling; Environment and Planning B (2); Environmental Management (6); Environmental Monitoring and Assessment; Environmental Science; Forests; International Journal of Applied Geospatial Research; International Journal of Environmental Studies; International Journal of Geographic Information Systems (2); International Journal of Sustainability in Higher Education; Journal of Applied Ecology; Journal of Biogeography; Journal of Environmental Management (4); Journal of Environmental Policy and Planning; Journal of Environmental Studies and Science; Journal of Land Use Science; Journal of Planning

Literature; Journal of Sustainable Development; Land; Land Use Policy (3); Landscape Journal; Landscape and Urban Planning (27); Leisure Science; Local Environment (2); Professional Geographer (7); Remote Sensing; Simulation Modelling Practice and Theory; Society and Natural Resources; Sustainability; Urban Ecosystems (2); Urban Forestry and Urban Greening (8); Urban Geography (3); Urban Studies (2); Water, Air, & Soil Pollution

2. Proposal Reviewer

Social Sciences and Humanities Research Council
Natural Sciences and Engineering Research Council
US National Science Foundation (3)
North Carolina Sea Grant (6)
Israel Science Foundation
Special Issues Proposals, *Landscape and Urban Planning*
Mitacs Programs (2)

3. Book, Book Chapter, and Encyclopedia Entry Reviewer

Oxford University Press (3)
Chapter for book in Springer's *Advances in Spatial Science* series
Encyclopedia entry for *Berkshire Encyclopedia of Sustainability*

4. Abstracts Reviewer

US-IALE Conference 2005, 2006, 2008

c. Advisor and Non-Academic Boards

Board member, EcoSpark, ongoing since 2014.

Neptis Foundation Project "Deriving a consolidated built-up urban area for the Toronto metropolitan region using satellite imagery," 2008