

Curriculum Vitae
MATHEW NOVAK

Dept. of Geography & Environmental Studies, Room B200F, Saint Mary's University,
923 Robie St, Halifax, NS, Canada, B3H 3C3
Tel: (902)491-6541 E-mail: m.novak@smu.ca

CURRENT APOINTMENT

2015-current **Assistant Professor**, Department of Geography & Environmental Studies, Saint Mary's University (SMU)

PAST APPOINTMENTS

2013-2015 **Director**, GIS Certificate Program, CWU
2012-2015 **Program Faculty**, Resource Management Graduate Program, CWU
2011-2015 **Assistant Professor**, Department of Geography, Central Washington University (CWU)

EDUCATION

2006-2010 **Ph.D.**, Department of Geography
The University of Western Ontario, London ON
Dissertation Title: *The Evolution of the Retail Landscape*

2004-2006 **M.A.**, Department of Geography
The University of Western Ontario, London ON
Thesis Title: *Fire and Urban Morphology: A Spatio-Temporal Analysis of Destruction and Reconstruction in Early-Twentieth Century London, Ontario*

1999-2003 **B.Sc. (Hon.)**, Genetics, Department of Biology
The University of Western Ontario, London ON

RESEARCH INTERESTS

- The economic and social geographies of retailing
- Urban development and the built environment
- Applications of Geographic Information Systems (GIS)
- Urban planning & policy
- Disasters (floods and fires) and their impacts on urban environments

REFEREED PUBLICATIONS

Gerend, J., and M. Novak. ACCEPTED "Planning for Retail Change: A Survey of Municipal Governments in Washington State." *Planning Practice and Research*.

Novak, M. SUBMITTED "Framing Downtown Redevelopment Issues." *Journal of Urban Regeneration & Renewal*.

Mowery, K., and M. Novak. 2016. "Challenges, Motivations, and Desires of Downtown Revitalizers Working Smaller Cities Under Neoliberalism" *Journal of Place Management and Development*.

Novak, M. 2015. "Beyond the Coffee Shop as Creative Class Hotspot: Innovation in the Coffee Shop Enterprise." In G. Micek (Ed.) *Understanding Innovation in Emerging Economic Spaces*. Aldershot, UK: Ashgate. pp. 274-305.

Novak, M. and J. Gilliland. 2011. "Trading Places: A Historical Geography of Retailing in London, Canada." *Social Science History* 35(4): 543-570.

Hayek, M., M. Novak, G. Arku and J. Gilliland. 2010. "Mapping Industrial Legacies: Building a Spatially-Referenced Comprehensive Brownfield Database in GIS." *Planning Practice and Research* 25(4): 461-475.

Novak, M. and J. Gilliland. 2009. "Buried Beneath the Waves: Using GIS to Examine the Physical and Social Impact of a Historical Flood." *Journal of Digital Studies* 1(2).

Novak, M., J. Gilliland, and E. Paddle. 2007. "Advancing Urban Morphology with GIS," in Stael de Alvarenga Pereira Costa (ed) *Urban Morphology in a Global Era* (Belo Horizonte, Brasil: Escola de Arquitetura da UFMG), 12 pages.

Gilliland, J. A., and M. Novak, 2006. "Positioning the Past with the Present: The Use of Fire Insurance Plans and GIS for Urban Environmental History." *Environmental History* 11: 136-139.

WORKING PAPERS

Novak, M. "Shopping Malls Enter Middle Age: Their Common History and Divergent Trajectories." To be submitted to *The Canadian Geographer*.

Novak, M. "Café Culture Meets Cowboy Culture: The Filtering of Coffee Into Small Towns of the American West." To be submitted to the *J. of Cultural Geography*

Novak, M. "A Holistic View of Townscape Analysis." To be submitted to *Urban Morphology*.

Novak, M. "Evaluating Retail Success in Traditional Neighborhood Designed Suburban Cores". To be submitted to the *Journal of the American Planning Association*.

ARTICLES IN PREPARATION

Blair, L., Sipic, T., and M. Novak. In Preparation. "Measuring the Impact of Forestry Practices on Residential Housing Values." To be submitted to the *J. of Economic Geography*

Gerend, J., and M. Novak. In Preparation. "Planners' views on the importance and management of urban sub-regions."

OTHER SCHOLARLY PUBLICATIONS

Novak, M. 2009. "Not just for Geographers: GIS in Historical Research," Book review of *Historical GIS, Technologies, Methodologies and Applications for H-HistGeog*. Published 25 February, 2009.

Novak, M. 2007. "Report: Urban Morphology in the 'Bay City'." *Urban Morphology* 11(2).

Novak, M. 2007. "Book Review: The Calgary Project: Urban Form/ Urban Life." *Urban Morphology* 11(2).

Novak, M. 2007. Creation and editing of online content for the text *Human Geography, Canadian Edition*, by Fellmann, Getis, Getis, Shrubsole and Hopkins, Toronto: McGraw-Hill Ryerson.

GRANTS

- 2016 Novak, M. "Condominium Development in Halifax: A Survey of Resident's Perceptions". *SSHRC Insight Development Grant*. \$65,000. (February 1st Submission – Under Review)
- 2015 Novak, M. "Mapping Urban Retail Patterns in Seattle". *Faculty of Graduate Studies and Research - SMU*. \$5,000.
- 2015 Novak, M. "Building a Compressive Retail Database for Halifax Using Smartphone Technology". *David Sobey Centre for Innovation in Retail and Services*. \$10,000.
- 2015 Novak, M. "Graduate Programs in Geographic Information Systems." *School of Graduate Studies and Research – CWU* program development funding including one term teaching release (awarded but declined).
- 2014 Novak, M. "Retail Planning Practices and Policies." *College of the Sciences (CWU) Faculty Summer Grant*. \$4000.
- 2013 Novak, M. and Hickey, R. "Acquisition of GPS receivers to support geography research and teaching". *CWU Foundation Small Grants*. \$1000 matched by Department.
- 2012 Gerend, J. (PI) and Novak, M. (Co-PI). "RUI: Retail Location Patterns and Policy: Mapping Retailing and its Management Across Washington State." *NSF Geography and Spatial Sciences*. Amount Requested: \$168,532. *Not Funded – possible resubmission in 2015*

TEACHING EXPERTISE

- Interdisciplinary connections to explain global phenomena
- Data collection & analysis (statistics)
- Research design & implementation
- Information dissemination, including technical writing and graphic design
- Curriculum development (including online and hybrid models)

COURSES TAUGHT

Assistant Professor

Department of Geography & Environmental Studies, Saint Mary's University

- Fundamentals of Human Geography (Geog 2200)
- The Geography of Canada (Geog 2310)
- Urban Land Use (Geog 3312)
- Global Cities (Geog 2332)
- Urban Geography (Geog 2312)
- Introduction to Mapping and GIS (Geog 2386)
- The Built Environment (Geog 3302)
- Urban History and Preservation (Geog 4412)

Assistant Professor

Department of Geography, Central Washington University

In-Person

- Introduction to Geographic Information Systems (GIS) (Geog 303)
- Intermediate GIS (Geog 404)
- Advanced GIS (Geog 417)
- Maps and Cartography (Geog 203)
- Urban Geography (Geog 381)
- Heritage Preservation (Geog/Anthro 432)
- Introduction to Land Use Planning (Geog 305)
- Advanced Topics in Land Use Planning (Geog 405)
- Economic Geography (Geog 304)
- Resource Management Colloquium (REM 506)

Online & Hybrid

- Maps and Cartography (Geog 203)

Field-Based

- Advanced Topics in Land Use Planning (Geog 405)
 - Life on the Fringe – 21st Century Suburbs
 - The New Urbanism

Lecturer

Department of Geography, The University of Western Ontario

- The Regional Geography of Canada (2010a)
- Land Use and Development Issues (3461f)

Teaching Assistant

Department of Geography, The University of Western Ontario

- Introduction to Urban and Regional Planning (2162b)
- Social Geography (2401b)
- Land Use Development Issues (3461f)
- Introduction to Urban and Regional Planning (178b)
- Urban Development (277g)
- World Cities (155a)
- Land Use and Development Issues (328b)
- Housing (376a)

OTHER TEACHING ACTIVITIES & INITIATIVES

2012-2015 **Internship Program**, coordinated internships for over twenty undergraduate and graduate students with organizations such as:

- Kittitas County Planning Office
 - Beginning paid Internship Program for Planning/GIS technicians
- Washington State Dept. of Fish and Wildlife
- Mid-Columbia Fisheries
- Downtown Ellensburg Association

2012-2015 **Independent Study**, with over 15 students on topics such as:

- Urban Geography theory & Social Media in Landscape Assessment
- New Urbanism Landscapes and Paradigms

2012-2015 **GIS Projects**, integrating student work into research agenda and offering GIS assistance to local organizations

GRADUATE STUDENT SUPERVISION

Chair

2013-2015 Kara Mowery. CWU Resource Management. *M.Sc. in progress*
Thesis title: *Renewing Spokane: A Study of Motivating Forces Behind Downtown Revitalization Projects*

Co-Chair

2012-2013 Wilbur Barrick. M.S. CWU Independent Studies -Anthropology (with Steve Hackenberger).
Thesis title: *Archaeological Landscapes of the Yakima Fold Belt: Nonsite Applications of Geographic Information Systems, Yakima Training Center, Washington*

Committee Member

- 2013-2015 Logan Blair. M.S. CWU Resource Management.
Thesis Title: *The Economic Impacts of Forest Pathogens in Washington State: A Hedonic Approach.*
- 2012-2014 Krista Evans. M.S. CWU Resource Management.
Thesis Title: *The Middle of Nowhere: Managing Rocky Mountain Ghost Towns.*

UNDERGRADUATE THESIS SUPERVISION

Supervisor

- 2016-2017 Eric Norris. B.A. (Hons) – Geography
Thesis title: Dog Park User’s Travel Distance and Mode Choice

Second Reader

- 2015-2016 Jo Fitzgibbons. B.A. (Hons) - Geography.
Thesis title: “I Wish This Was a Park”: Levels and Perceptions of Participation in Municipal Planning Processes Among Young Adults in Halifax, Nova Scotia

STUDENT RESEARCH PROJECTS

- 2014 Sean Stcherbinine. “How Big is that Hole? Using ArcGIS to Calculate the Volume of Sediment Needed to Mitigate Erosion of an Archeological Site.” Student presented work at CWU’s *Symposium on Undergraduate Research and Creative Expression (Source)*. May 15, 2014.
- 2014 Jared Hess, Kylie Ishimitsu, Kelsey Mueller, Lucas Salmons, and Allison Shinn. “Using GIS to Model Potential Salmon Habitat Restoration in the Swauk Creek/Highway 97 Corridor.” Students presented work at CWU’s *Symposium on Undergraduate Research and Creative Expression (Source)*. May 15, 2014.
- 2013-2104 Amy McCoy. Working with Ellensburg Downtown Association to build an inventory of historical murals in Ellensburg’s downtown.
- 2013 Krista Evans. “Just a Façade? Managing Northern Rocky Mountain Ghost Towns.” Student presented work at CWU’s *Symposium on Undergraduate Research and Creative Expression (Source)*. May 16, 2013.
- Taylor Steele “Examining the Relationship Between Farmer’s Markets and Obesity Rates in Washington State.” Student presented work at CWU’s *Symposium on Undergraduate Research and Creative Expression (Source)*. May 16, 2013.

CONFERENCE PRESENTATIONS

Novak, M. 2016. "Assessing New Urbanism's Efforts to Create a Vital Core Offering Local Shopping Options." Annual Meeting of *The Canadian Association of Geographers*, Halifax, Nova Scotia (May 31, 2016).

Novak, M. 2015. "Spatial and Functional Distribution of Retailing in the Seattle Metropolitan Area." Annual Meeting of *The Association of American Geographers*, Chicago, Illinois (April 22, 2015).

McCoy, A.L., and M. Novak. 2014. "Fading Away: Historical Murals in Downtown Ellensburg." *Association of Washington Geographers*, Tacoma, WA (May 17, 2014)

Gerend, J., and M. Novak. 2014. "Municipal Retail Planning." Annual Meeting of *The Association of American Geographers*, Tampa, Florida (April 9, 2014).

Novak, M. 2012. "Taking a stroll along Main Street: The shifting landscapes of the primary urban shopping district at the turn of the twentieth-century." *Social Science History Association Annual Conference*. Vancouver, B.C. (November 3, 2012).

Novak, M. 2012. "Independent cafés in the land of Starbucks: Comparing the spaces and practices of coffee shops in Washington State, USA." *International Geographical Union: Innovation & Creativity in Emerging Economic Spaces*. Krakow, Poland (May 4, 2012).

Novak, M. 2010. "Tracing the Shelf-life of Shopping Malls." *Western Research Forum*, London, Ontario (February 27, 2010).

Novak, M. and J. Gilliland. 2009. "Retail's Changing Place and Face in the Urban Landscape." *International Seminar on Urban Form*, Guangzhou, China (September 6, 2009).

Novak, M. 2009. "Gone with the Flow: Rebuilding a Community after Flooding in London, Canada." *World Congress of Environmental History*, Copenhagen, Denmark (August 8, 2009).

Novak, M., and J. Gilliland. 2009. "Form, Function and Fluidity in the Central Retail District in London, Canada: 1880-1930." Presented to a special joint session "Addressing the Archives" at the annual meetings of the *Canadian Association of Geographers* and the *Canadian Historical Association*, Ottawa, ON (May 27, 2009).

Hayek, M.G. Arku, M. Novak and J. Gilliland. 2009. "Brownfield Redevelopment in the City of London, Ontario: Identification of Sites using Historical GIS and Evaluation of Policy Measures." Annual meeting of the *Urban Affairs Association*, Chicago, Ill. (Friday, March 6, 2009).

Novak, M. and J. Gilliland. 2008. "A Historical Geography of Retailing in London, Canada." *Historical GIS 2008*, University of Essex, UK (August 21, 2008).

Novak, M. 2008. "The Rise and Fall of the Small Indoor Mall." Annual meeting of the *Canadian Association of Geographers*, Quebec City (May 22, 2008).

Novak, M., J. Gilliland, and E. Paddle. 2007. "Advancing Urban Morphology with GIS." *International Seminar on Urban Form*, Ouro Preto, Brazil (August 30, 2007).

Novak, M., and J. Gilliland. 2007. "Fire and Urban Morphology in an Early-Twentieth Century Canadian City." *International Seminar on Urban Form*, Ouro Preto, Brazil (August 31, 2007).

Novak, M. and J. Gilliland. 2007. "Assessing the Impact of Fire on Urban Form Using Historical-GIS." Annual Meeting of *The Association of American Geographers*, San Francisco California (April 20, 2007).

Gilliland, J., Larsen, K., and M. Novak. 2006. "GIS Research in the Human Environments Analysis Laboratory." *Social Science Research Day Presentation*, University of Western Ontario, London, ON. (January, 16, 2006).

Gilliland, J. and M. Novak. 2006. "The Imag(in)ing London HGIS Project." GIS Day Presentation, UWO Geography Department, London ON (November 15, 2006).

Novak, M. 2006. "Modeling a Historic Flood With GIS." Annual Meeting of the *Canadian Association of Geographers - Ontario Division*, Hamilton ON (October 14, 2006).

Novak, M. and J. Gilliland, 2006. "'Burning Down the House": An Analysis of Fire in Early-Twentieth Century London Ontario." Annual Meeting of the *Canadian Association of Geographers*, Thunder Bay ON (May 30, 2006).

Novak, M. and J. Gilliland, 2006. "Fire and Urban Evolution: Destruction and Reconstruction in London, Ontario, 1915-1929." Annual Meeting of the *Canadian Historical Association*, Toronto ON (May 29, 2006).

Novak, M., 2006. "Reconstructing London's Devastating Flood of 1883." Western Research Forum, London ON (April 11, 2006).

Novak, M. and J. Gilliland, 2006. "Buried Beneath the Waves: Examining London's Great Flood of 1883." Annual Meeting of the Association of American Geographers, Chicago IL (March 9, 2006).

Novak, M. and J. Gilliland, 2005. "The Morphogenesis of Residential Landscapes in London, Ontario." Annual Meeting of the *Canadian Association of Geographers*, London ON (June 2, 2005).

Gilliland, J., Aldred, D., Healy, M. and M. Novak, 2005. "The Imag(in)ing London Project." Demonstration project presented to the Virtual Historic Canada Workshop at the Annual Meeting of the *Canadian Historical Association / Canadian Association of Geographers*, London ON (June 1, 2005).

Novak, M., 2005. "The Morphogenesis of London." Demonstration project presented to Virtual Historic Canada Workshop at the Annual Meeting of the *Canadian Historical Association / Canadian Association of Geographers*, London ON (June 1, 2005).

Novak, M., 2005. "Catastrophes and Urban Form: An HGIS Approach." Poster presentation to Virtual Historic Canada Workshop at the Annual Meeting of the *Canadian Historical Association / Canadian Association of Geographers*, London ON (June 1, 2005).

INVITED LECTURES & PRESENTATIONS

"Inner City Planning, Re-Development and Social Change." Field trip (co-led with Hugh Millward) at the annual meeting of *The Canadian Association of Geographers*, Halifax, Nova Scotia. June 1, 2016.

"Natural Hazards: Resilience and Response." Roundtable hosted by the Cascadia Hazards Institute, CWU. December 31, 2014.

"Spatial Technologies in Primate Research." Invited by Dr. Lori Sheeran to speak to her graduate class Introduction to Primatology (PRIM 501), Department of Anthropology, CWU. October 13, 2014.

"GPS and GIS technologies in emergency response." Invited by the *RoboSparx Team* (a youth robotics and research club) of Moses Lake, WA. December 31, 2013.

"Canada, More Than Just America's Hat." Invited by Dr. Bob Kuhlken to speak to his *Geography of North America* course, Department of Geography, CWU. September 25, 2012.

"The Evolution of the Retail Landscape." *Colloquium* in the Department of Geography, UWO. January 15, 2010.

"Human Impacts on Natural Systems and Human Health." Invited by Dr. Godwin Arku to speak to his first year course - *People, Places and Landscapes*, Department of Geography, UWO. March 30, 2009.

"An Introduction to GIS." Invited by Dr. Godwin Arku to speak to his first year course - *People Places and Landscapes*, Department of Geography, UWO. January 19, 2009.

"An Introduction to GIS." Invited by Dr. Dan Shrubsole to speak to his first year course - *People Places and Landscapes*, Department of Geography, UWO. January 14, 2008.

"The Geography of Retailing." Invited by Dr. Jason Gilliland to speak to his third year course - *Land Use and Development Issues*, Department of Geography, UWO. November 21, 2007.

"Sub-Saharan African Cities." Invited by Dr. Jacek Malczewski to speak to his second year course - *World Cities*, Department of Geography, UWO. February, 2005.

INVITED EXHIBITIONS

Gilliland, J. and M. Novak. 2006. "Old East Explorer." An interactive computer-based kiosk installation for *The Old East: London's Industrial Engine* exhibit at *Museum London*, London, ON. (Feb 18 – July 30)

Gilliland, J. and M. Novak. 2006. "Mapping London: Layers of Time." An interactive computer-based kiosk installation for *Museum London*, London, ON.

ACADEMIC AWARDS

2010	Western Graduate Research Scholarship
2009	UWO Teaching Assistant Award Nomination
2009	Travel Award, Network in Canadian History and the Environment
2009	Travel Award, Canadian Association of Geographers
2008	Western Graduate Research Scholarship
2008	Travel Award, Canadian Association of Geographers
2007	Ontario Graduate Scholarship
2007	Urban Geography Specialty Group Travel Award
2006	Dean's Award for Research Excellence, Western Research Forum
2006	Travel Award, Canadian Association of Geographers
2006	Department of Geography Entrance Scholarship
2006	Western Graduate Research Scholarship
2005	Western Graduate Research Scholarship
2005	Network in History and Environment (NiCHE) Travel Scholarship
2004	Western Graduate Research Scholarship
1999	University of Western Ontario Entrance Scholarship

CAREER-RELATED WORK EXPERIENCE

	Consultant
2010	Joint Ventures and Alliances Research Group Ivey Business School, UWO, London ON <ul style="list-style-type: none">• Manipulation of a large database (>120 000 records and >1500 variables) pertaining to international business mergers and alliances
2010	London Bridge Child Care Centres, London ON <ul style="list-style-type: none">• Produced a report on London's changing child care landscape, detailing implications of new government policies and evolving demographic conditions• Suggested strategies to deal with these changes and avenues for future growth
2004-2010	Graduate Research Assistant Department of Geography, The University of Western Ontario <ul style="list-style-type: none">• Contribution to the "Imag(in)ing London" project, a digital collection of sources pertaining to London's historical development.• Tasks included input and organization of data, GIS analysis, and the supervision of undergraduate students

- 2003 **Archival Specialist**
Assiginack Museum, Manitowaning ON
• Implemented the museum's archives and computer database
- 1999 **Curator**
The Little Schoolhouse & Museum, South Baymouth ON

COMMUNITY SERVICE PROJECTS

- 2012 Trail Mapping Project for Outdoor Pursuits and Rentals (CWU).
- 2012 Historical mapping project for Ellensburg WA. Working with undergraduate GIS students, spatially rectified historical maps to be used by local planning officials.
- 2005 GIS Analyst, City of London Planning Department
• Contributed GIS analysis of residential development patterns

PROFESSIONAL & COMMUNITY SERVICE

- 2014-2015 **Planning Commission Member**, City of Ellensburg
- 2012-2015 **Website Coordinator**, Dept. of Geography, CWU
- 2013-2014 **Faculty Senator**, Central Washington University
- 2011-2014 **Board Member**, Museum of Culture and Environment, CWU
- 2014 **Search Committee Member**, Sessional Lecturer, Department of Geography, Central Washington University
- 2012 **Search Committee Member**, Chair Position, Department of Geography Central Washington University
- 2010 **Co-Organizer**, New Researchers' Forum. *International Seminar on Urban Form*, Hamburg, Germany. August 20-23, 2010.
- 2009-2010 **Hiring Committee**, Department of Geography, The University of Western Ontario
- 2005 **Session Co-chair** (with Z. Chen) "Virtual Historic Canada Workshop" at the Annual meetings of the *Canadian Historical Association / Canadian Association of Geographers*, London ON (June 1, 2005).

- 2005 **Fieldtrip Co-Organizer** (with J. Gilliland and V. Munro) “Urban Villagescapes of London” for the Congress of the *Social Sciences and Humanities*, London, ON (June 2, 2005).
- 2004-2005 **Councilor**, The Society of Graduate Students, UWO

COURSES & WORKSHOPS

- 2013 Early Career Faculty Workshop (American Association of Geographers)
- 2006 Database Design I (MS Access)
- 2005 Introduction to ArcGIS levels I & II (ESRI training)