



**News Digest of the Canadian Association of Geographers
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U Toronto's President and geographer Meric Gertler to the Order of Canada: Dr. Getler The president received the honour in recognition of "his research in urban geography, notably for his influential studies of innovation, technology and development in cities," the Governor General's office said in its citation. Gertler, who was named a Member of the Order, noted that the list recognized many members of the U of T community, including faculty and alumni. "I'm delighted to see the Order of Canada celebrating so many members of the University of Toronto community," Gertler said. "These leading scholars and dedicated citizens have made extraordinary contributions to our country and our world and I'm pleased to offer them my congratulations. "It's an unexpected honour to be included among their number." [U of T News](#)

Mount Royal U's Lynn Moorman aims to help bridge the gap in geographic education across Canada: Calgary-based experts are charting a bold new course in geographic education by introducing geospatial software designed for the next generation of tech-savvy learners. A lack of comprehensive geographic education in Canada's schools is currently disabling higher learning opportunities for post-secondary students, says Lynn Moorman, PhD, professor of Earth Sciences at Mount Royal University and a [Canadian Geographic Education](#) executive. Noting a dearth in the basic geographic knowledge and skills among students of all ages, three years ago Moorman embarked on a research project on how to address the situation. "I found I couldn't actually teach about earthquakes and volcanoes at one point because students had no means of describing the places where they exist," says Moorman. Moorman, who will be received recognition from the [National Council for Geographic Education](#) for the best dissertation in the field of geography education in Washington in August, conducted extensive investigations in the field of geographic education as part of her PhD studies, with the assistance of Mount Royal University student and teachers, contributions by the community of researchers in geographic education and in partnership with Calgary's Connect Charter School and Canadian Geographic Education. Based on the results, TECTERRA, a Calgary-based non-profit innovation support centre that enables the development of geomatics technology and funds applied research in geospatial applications, contributed over \$200,000 towards Moorman's project. Moorman chose to work with the PYXIS innovation for the solution. WorldView™ Studio was introduced at Mount Royal with the help of elementary students from Connect Charter School. "This is cutting edge and new," says Moorman. "This is a means of interacting, analyzing and asking questions." Moorman notes that geography education in Canada is at a very interesting place — a critical crossroads of advancements and shifts in technology, societal communication and educational customs. [Mount Royal News](#)

U Victoria Geography “Biketoria” initiative becomes the subject of an undergraduate course for UVic students: At the University of Victoria, Biketoria has become the focal point of an upper-level undergraduate program studying matters of city-building. Officially listed by the university as Geography 491: Advanced Topics in Geography, Biketoria—launched last year as a “vision for creating an expanded cycling network that can accommodate people with a range of ages and abilities,” to use the words of the Victoria Times-Colonist—is the course’s focus, to the point that it may as well be called “Biketoria 101.” The course is taught at the downtown boardroom of the Capital Region District, a setting intended to underscore the subject matter, becoming part of the experience. As professor Trisalyn Nelson—who also created bikemaps.org, a mapping of cycling safety-related incidents—told the Times-Colonist, “We wanted to give the students a sense that something different was happening to really get them thinking outside the box and feeling like part of the community.” [Canadian Cycling Magazine](#) | [Victoria News](#)

U British Columbia's Dr. Olav Slaymaker named as member of the Order of Canada: Dr. [Olav Slaymaker](#) has been named as a member of the Order of Canada, one of the highest honours a Canadian can receive. Slaymaker is a professor emeritus of geography at UBC. His research has focused on the sustainability of mountain environments, alpine hydrology and geomorphology, lacustrine sedimentation and the human impact on geomorphic and hydrological processes. In recent years, Slaymaker has retired from teaching, but has continued to research climate change in cold environments, producing three books and 20 peer reviewed articles. [The UBYSSSEY](#)

U Regina’s Joseph Piwowar doesn’t see Regina pushing on climate change front: Regina’s climate change commitment dates back two decades. In 1994, city council set a target to reduce community greenhouse gas emissions 6% below 1990 levels by 2012. It also eyed reducing corporate emissions 20 per cent below 1990 levels by 2005, then an additional one per cent per year until 2012. Ten years later, the city produced a Community Greenhouse Gas Emission Reduction Action Plan with specific recommendations. Joseph Piwowar, Canada Research Chair in geomatics and sustainability at the University of Regina, remembers the “strong initiative” by the city. He found the plan “ambitious.” But, he said, “I think that’s tapered off in the past few years.” Emission targets were missed. Instead of decreasing community emissions, 2012 levels jumped by hundreds of thousands of tonnes over 1990. Corporate emissions have also grown. The report explains corporate emissions missed the mark due to “pressures on municipal operations and services.” Archer added that — “not to make excuses” — but hitting a fixed target as the city grows is challenging. Plus, “the way we measure matters,” he said. Piwowar agreed that, considering Regina’s spurt in population, higher emissions are no surprise and the 1990 target was perhaps unrealistic. But he also called it “disturbing” that with improved technologies, emissions have risen since the last low in 2005. [Regina Leader Post](#)

New in [The Canadian Geographer](#)

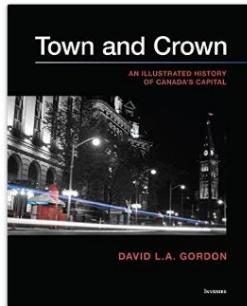


Sarah A. Howie and Ilja (H.J.) van Meerveld. 2016. [Classification of vegetative lagg types and hydrogeomorphic lagg forms in bogs of coastal British Columbia, Canada](#). The Canadian Geographer / Le Géographe canadien. DOI:10.1111/cag.12241

Jenna Smith, Derek Smith and Miguel Sioui. 2016. [Nature, cities, people: An exploration of Aboriginal perspectives](#). The Canadian Geographer / Le Géographe canadien. DOI:10.1111/cag.12250

New Book

David Gordon. 2015. [Town and Crown: An Illustrated History of Canada's Capital](#). Invenire: Ontario, CA. 442 pages.



Town and Crown is an illustrated history of the planning and development of Canada's capital city, filling a significant gap in our urban scholarship. It is the story of the transformation of the region from a sub-arctic wilderness portage to an attractive modern metropolis with a high quality of life. The book examines the period from 1800-2011, and is the first major study that covers both sides of the Ottawa River, addressing the settlement history of aboriginal, French and English peoples. Ottawa's transformation was a significant Canadian achievement of the new profession of urban planning in the mid-20th century. Our national capital has the country's most complete history of community planning, and served as a gateway for important international planning ideas and designers. Town and Crown illustrates the influence of landscape architect and Olmsted protégé Frederick Todd; Chicago's City Beautiful architect Edward Bennett; and British planner Thomas Adams. Prime Minister Mackenzie King maintained a direct interest in planning Canada's capital for almost fifty years, choosing France's leading urbanist, Jacques Gréber, to plan the post-1945 redevelopment of the region. The principal research method for Town and Crown includes over sixteen years of archival studies in North America, Australia and Europe, and interviews with key politicians, designers and planners that supplemented the contemporary research. The narrative is augmented by over 200 images drawn from early sketches, historical maps, plans and archival photography to illustrate the physical transformation of Canada's federal capital.

Recent Theses and Dissertations

Roxanne Ahmed. 2015. [Spatio-temporal variation in the spring freshet of major circumpolar Arctic river systems](#). MSc thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisors: Terry Prowse.

Jodi N. Axelson. 2015. [The effects of western spruce budworm \(*Choristoneura occidentalis*\) defoliation on Douglas-fir \(*Pseudotsuga menziesii*\): disturbance dynamics from the landscape to the cellular level](#). PhD dissertation. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisors: Rene Alfaro and Dan Smith.

Michael C. Branion-Calles. 2015. [Modelling and mapping regional indoor radon risk in British Columbia, Canada](#). MSc thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisors: Trisalyn A. Nelson and Sarah B. Henderson.

Tyson Kyle Carswell. 2015. [Analysis of MODIS-Aqua imagery to determine spring phytoplankton phenology in the Strait of Georgia, Canada](#). MSc thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Maycira Costa

Ansley Adeline Charbonneau. 2015. [Rock glacier activity and distribution in the southeastern British Columbia Coast Mountains](#). MSc thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Dan Smith.

Bethany L. Couthard. 2015. [Multi-century records of snow water equivalent and streamflow drought from energy-limited tree rings in south coastal British Columbia](#). PhD dissertation. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Dan Smith.

Rosanna Breiddal. 2015. [When consultation becomes a checkbox, what's the fracking point?: Colonial constraints on social learning processes in Northeast BC and the Fort Nelson First Nation's New Approach to resource governance](#). MA thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Michele-Lee Moore.

Bruce K. Downie. 2015. [Conservation influences on livelihood decision-making: a case study from Saadani National Park, Tanzania](#). PhD dissertation. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisors: Philip Dearden.

Robin Olive Kite. 2015. Movement analytics: [A data-driven approach to quantifying space-time variation in grizzly bear \(*Ursus arctos L.*\) near-road movement patterns](#). MSc thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Trisalyn Nelson

Evelyne Laurin 2015. [Loans as disservice: Cambodian women and predatory lending by unregistered microfinance institutions](#). MA thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Simon Springer.

Heather Leech 2015. [Seasonal habitat selection by resident and translocated caribou in relation to cougar predation risk](#). MSc thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Dennis Jelinski.

Shannon Ashley McFadyen. 2015. [Disturbance related patterns in fish community structure and function in river systems of the Lower Athabasca Oil Sands region, Alberta](#). MSc thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisors: Frederick J. Wrona and Olaf Niemann.

Cherry Mikaela. 2015. [Nitrogen transport and connectivity in two wetland-rich boreal sites in the Athabasca Oil Sands Region, Canada](#). MSc thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisors: John J. Gibson and S. Jean Birks.

Natasha Overduin 2015. [Exploring the role for private actors in water governance](#). MA thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Michele-Lee Moore.

Anthony W. Persaud. 2015. [Mercury use and the socio-economic significance of artisanal and small-scale gold \(ASGM\) mining in Senegal: a mixed-methods approach to understanding ASGM](#). MA thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisors: Maycira Costa and Kevin Telmer.

Stephen Robert Phillips. 2015. [Bio-optical characterization of the Salish Sea, Canada, towards improved chlorophyll algorithms for MODIS and Sentinel-3](#). MSc thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Maycira Costa

Shanley Dawn Thompson. 2015. [Mapping and monitoring indicators of terrestrial biodiversity with remote sensing](#). PhD dissertation. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Trisalyn Nelson

Adam Joseph Wicks. 2015. [Coastal storm surge identification, classification, and evaluation at Red Dog Dock, Alaska, 2004-2014](#). MSc thesis. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: David E. Atkinson.

Hot Papers by Canadian Geographers

Ofer Amram, Nadine Schuurman, Ian Pike, Michael Friger and Natalie L Yanchar. 2016. [Assessing access to paediatric trauma centres in Canada, and the impact of the golden hour on length of stay at the hospital: an observational study](#). BMJ Open. DOI:10.1136/bmjopen-2015-010274

Emily E. Campbell, Paula D.N. Dworatzek, Debbie Penava, Barbra deVrijer, Jason Gilliland, June I. Matthews and Jamie A. Seabrook. 2015. [Factors that influence excessive gestational weight gain: Moving beyond assessment and counselling](#). The Journal of Maternal-Fetal & Neonatal Medicine. DOI:10.3109/14767058.2015.1137894

Denise Cloutier, Amy Cox, Ruth Kampen, Karen Kobayashi, Heather Cook, Deanne Taylor and Gina Gaspar. 2016. [A tale of two sites: Lessons on leadership from the implementation of a long-term Care Delivery Model \(CDM\) in western Canada](#). Healthcare 4. DOI:10.3390/healthcare4010003

Richard J. Hebda, Olav B. Lian and Stephen Hicock. 2016. [Olympia Interstadial: Vegetation, landscape history and paleoclimatic implications of a mid Wisconsinan \(Stage 3\) nonglacial sequence from southwest British Columbia, Canada](#). Canadian Journal of Earth Sciences. DOI:10.1139/cjes-2015-0122

Robin Kite, Trisalyn Nelson, Gordon Stenhouse and Chris Darimont. 2016. [A movement-driven approach to quantifying grizzly bear \(*Ursus arctos*\) near-road movement patterns in west-central Alberta, Canada](#). Biological Conservation 195:24–32.

Jean-Philippe Martin and Daniel Germain. 2016. [Dendrogeomorphic reconstruction of snow avalanche regime and triggering weather conditions. A classification tree model approach](#). Progress in Physical Geography. DOI:10.1177/0309133315625863

Andrea Michelle Price, Pieter Roger Gurdebeke, Kenneth Neil Mertens and Vera Pospelova. 2016. [Determining the absolute abundance of dinoflagellate cysts in recent marine sediments III: Identifying the source of *Lycopodium* loss during palynological processing and further testing of the *Lycopodium* marker-grain method](#). Review of Palaeobotany and Palynology. DOI:10.1016/j.revpalbo.2015.12.009

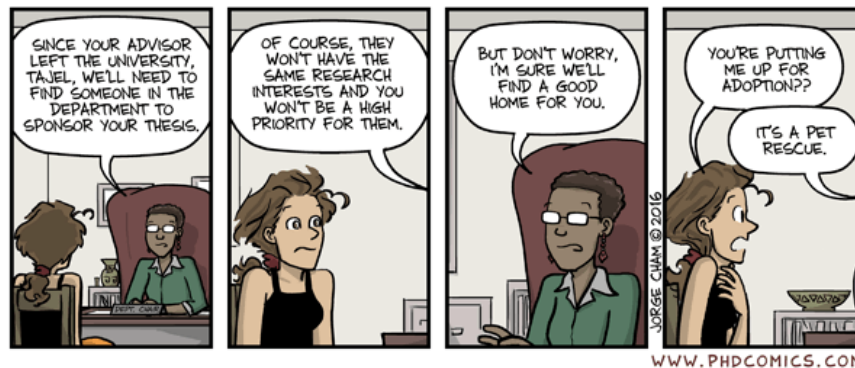
Other “Geographical” News

Why bike lanes make people mad: Cycling itself has become a heated symbol of gentrification. Bike lanes are treated as harbingers of demographic change, or evidence of preferential treatment, or synonymous with well-off white men. This fraught bike-lane tension, though, is based more on perception than data. So a group of researchers at McGill University and the University of Quebec in Montreal tried to quantify the connection between gentrification and cycling infrastructure. In both cities, they found "a bias towards increased cycling infrastructure in areas of privilege." [The Washington Post](#)

Aquaculture review fast-tracked and expanded by Canadian Government: The federal government has restarted a process to review how fish farms are regulated, and will now expand the scope of the review to include more provinces. Last December, the Department of Fisheries and Oceans sought contractors to study the legislative and regulatory framework governing aquaculture. The document explained that "nine federal organizations are involved in regulatory roles for aquaculture, involving 10 different pieces of legislation." There are additional controls at the provincial level. The department's regulatory review was the first step towards building "a coherent and adaptable federal legal framework," the document said. However, the review's scope was limited to federal regulations and those in British Columbia and Prince Edward Island — no other province. Friday the department published a revised tender with a scope that covered all "relevant federal and provincial levels." The deadline for the new version remains unchanged at March 31. [CBCNews | Nova Scotia](#)

Earthquakes in Alberta to become more frequent and stronger: Tremors caused by industrial activity will become more frequent and large enough to cause significant damage in the future, warns an expert on human-caused earthquakes. "As we generate more and more earthquakes, we expect that some of them are going to be larger," said Gail Atkinson, who studies induced seismic activity at Western University in London, Ontario. "So this is another example of the potential for oil and gas activity to generate some larger earthquakes which could become damaging." [CBCNews | Edmonton](#)

Some not so “Geographical” News



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