

Ryan L. Burns

Curriculum Vitae

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Academic Positions

- 2016-present Assistant Professor
Department of Geography, University of Calgary
- 2017-present Faculty Member
O'Brien Institute for Public Health, University of Calgary
- 2019-2021 Instructor
Arts & Sciences Honours Academy, University of Calgary
- 2015-2016 Assistant Professor of Instruction
Department of Geography and Urban Studies, Temple University

Education

- 2009-2015 Ph.D., Geography
University of Washington
Committee: Sarah Elwood, Mark Ellis, Vicky Lawson, Jin-Kyu Jung (Interdisciplinary Arts & Sciences, UW-Bothell)
Dissertation title: *Digital Humanitarianism and the Geospatial Web: Emerging Modes of Mapping and the Transformation of Humanitarian Practices*
- 2010-2015 Work toward Certificate in Public Scholarship, Simpson Center for the Humanities, UW
- 2009 M.S., Geographic Information Science
San Diego State University
Committee: André Skupin, Stuart Aitken, Eniko Csomay (Linguistics)
- 2006 B.A., Geography, Magna Cum Laude, Honors
Eastern Kentucky University

Grants, Scholarships, and Awards

External research awards

- 2018 \$53,655. SSHRC Insight Development Grant. "The Politics of Knowledge Representation in Open Data and Smart Cities" PI: **Ryan Burns**.
- 2018 \$16,500. Urban Alliance: City of Calgary and University of Calgary. "Exploring North American Municipal Data Sharing Agreements". PI: **Ryan Burns**. City of Calgary Collaborators: Nichole Wyatt, Cameron Stark.
- 2017 \$25,000. SSHRC Connection Grant. "The Social and Environmental Implications of Smart Cities: Toward a Global Comparative Research Agenda." PI: Byron Miller. Co-applicants: **Ryan Burns**, Victoria Fast, Jack Lucas, Matthew Patterson, Frank Towers, Eliot Tretter. Collaborators: Gwendolyn Blue, Dean Curran, Elizabeth Paris, Melanie Rock, Marit Rosol, Alan Smart, Aaron Williams.

- 2017 \$27,600. Andrew W Mellon Foundation, through University of Calgary Library. Academic Research and University Libraries: Creating a New Model for Collaboration. “Open Data for a Smarter City: Creating A Data Infrastructure Pilot Initiative”. PI: **Ryan Burns**. Co-applicants: Anthony Levenda, Byron Miller, Victoria Fast, Dean Curran, Steve Liang, Eliot Tretter, Alex Whalley
- 2017 \$5,000. SSHRC, through University of Calgary. Partnership Development Seed Grant. Co-applicant.
- 2017 \$3,422. SSHRC, through University of Calgary. Insight Development Enhancement Grant. PI: **Ryan Burns**.
- 2013 \$4,000. United Nations Office for the Coordination of Humanitarian Affairs: “Humanitarian Research and Innovation Grant”. PI: **Ryan Burns**, Kenny Meesters.
- 2009 \$500. Cartography & Geographic Information Society (CaGIS) Master’s Award

Internal research awards

- 2016-2019 \$150,000. University of Calgary, Human Dynamics Research Strategy. “The Social and Environmental Implications of Smart Cities: A Global Comparative Research Agenda”. PI: Byron Miller Co-PIs: Gwendolyn Blue, **Ryan Burns**, Dean Curran, Victoria Fast, Noel Keough, Jack Lucas, Greg Morrow, Elizabeth Paris, Matt Patterson, Marit Rosol, Alan Smart, Josephine Smart, Eliot Tretter, Kathryn Reese-Taylor, Melanie Rock, Frank Towers, Aaron Williams
- 2019 Eyes High Postdoctoral Scholars Competition. 2 years of funding, total value of \$110,000. Post-doc will start July 1, 2019. Co-PIs: **Ryan Burns**, Victoria Fast.
- 2018 \$5,000. Vice President of Research, University of Calgary. Conference Grant. To support the 13th Annual Critical Geographies Mini-Conference. PI: **Ryan Burns**.
- 2018 \$1,000. Faculty of Arts, University of Calgary. Scholarly Activity Grant. To support the 13th Annual Critical Geographies Mini-Conference. PI: **Ryan Burns**.
- 2018 \$680. Quality Money. Graduate Student Association. To support the 13th Annual Critical Geographies Mini-Conference. Co-applicant with organizing committee graduate students.
- 2018 \$500. Latin American Research Centre. To support the 13th Annual Critical Geographies Mini-Conference. Co-applicant.
- 2017 \$3,000. Calgary Institute for the Humanities Working Group. “Social Justice and the Smart City”. Conveners: Anthony Levenda, **Ryan Burns**, Victoria Fast, Dean Curran, Noel Keough, Elizabeth Paris, Frank Towers
- 2017 \$2,500. University of Calgary, Hunter Hub for Entrepreneurial Thinking Global Entrepreneurship Week Engagement Fund. Co-applicant.
- 2013 \$3,000. UW Graduate School Gerlach Award
- 2011 \$556. Howard Martin Research Grant
- 2009 \$9,000. UW Geography Top Scholar Award

Recognitions and honours

- 2017 Department of Geography Graduate Student Association Recognition Award
- 2007 \$6,600. SDSU McFarland Award
- 2007 \$50. SDSU Map Design Competition winner

Travel scholarships

2016	\$1,500. University of Calgary, Vice President of Research Faculty Conference Travel Grant
2011-2012	\$1,000. Simpson Center for the Humanities Graduate Interest Group Funding
2011	\$750. Simpson Center for the Humanities Travel Funds
2011	\$500. UW Graduate School Fund for Excellence and Innovation
2011	\$250. UW Graduate & Professional Student Senate Travel Fund
2009	\$1,800. International Cartographic Association (ICA) Travel Scholarship

Research Activities

2018	Technology, Law, and Society Summer Institute. University of California – Irvine. Competitive application.
2018	Globalization and Digitization — (New) Geoinformation Relationships in the World. Forum for the Study of the Global Condition: Jena, Germany . Personal invitation as participant and keynote speaker in 4-day workshop.
2017	Ethical Issues of Digital Humanitarianism. Personal invitation as participant and keynote speaker for one-day workshop. Montreal, QC.
2016-2017	Ethics of Location-Based Technologies in Crisis Workshop. American Association for the Advancement of Science: Washington, DC. Personal invitation as participant for three workshops.
2016	Summer Institute in Economic Geography. University of Kentucky, Lexington. Competitive application.
2015	Data Science for Social Good Fellowship. eScience Institute, University of Washington. http://escience.washington.edu/what-we-do/data-science-for-social-good . Competitive application.
2014	"Revisiting Critical GIS". Friday Harbor Laboratories, Friday Harbor, WA. Personal invitation.
2013	Oxford Internet Institute Summer Doctoral Programme. i-School, University of Toronto, Canada. Competitive application.
2011	Bergen Summer Research School. University of Bergen, Norway . Competitive application.

Publications

Peer Reviewed Articles and Book Chapters

2018	<u>Burns, Ryan</u> . Datafying Disaster: Institutional Framings of Data Production following Superstorm Sandy. In N. Heynen (ed.), <i>Social Justice and the City</i> . Routledge. ISBN: 978-1-138-32274-5. https://www.routledge.com/Social-Justice-and-the-City/Heynen/p/book/9781138322745
2018	<u>Burns, Ryan</u> . Datafying Disaster: Institutional Framings of Data Production following Superstorm Sandy. <i>Annals of the American Association of Geographers</i> 1-10. http://www.tandfonline.com/doi/full/10.1080/24694452.2017.1402673
2018	<u>Burns, Ryan</u> . Synergizing Geoweb and Digital Humanitarian Research. In Thatcher, J., A. Shears, J. Eckert (eds.), <i>Thinking Big Data in Geography: New Regimes, New Research</i> , 214-229. Lincoln, NE: University of Nebraska Press.

- 2018 **Burns, Ryan**, C. Dalton, J. Thatcher (alphabetical). Introduction: Critical Data, Critical Technology in Theory and Practice. *Professional Geographer* 70(1): 126-128.
- 2017 **Burns, Ryan**, N. Lally. Introduction: Toward a Geographical Software Studies. Introduction to special section of *Computational Culture*.
- 2016 Thatcher, Jim, L. Bergmann, B. Ricker, R. Rose-Redwood, D. O’Sullivan, T. Barnes, L. Barnesmoore, L. Beltz Imaoka, **R. Burns**, J. Cinnamon, C. Dalton, C. Davis, S. Dunn, F. Harvey, J.-K. Jung, E. Kersten, L. Knigge, N. Lally, W. Lin, D. Mahmoudi, M. Martin, W. Payne, A. Sheikh, T. Shelton, E. Sheppard, C. Strother, A. Tarr, M. Wilson, J. Young. Revisiting Critical GIS: Reflections from Friday Harbor. *Environment & Planning A* 48(5): 815-824.
- 2015 **Burns, Ryan**, D. Meek. Introduction: The Politics of Knowledge Production in the Geoweb. *ACME: An International E-Journal for Critical Geographies* 14(3): 786-790.
- 2014 **Burns, Ryan**, J. Thatcher. Guest Editorial: What’s So Big about Big Data? Finding the Spaces and Perils of Big Data. *GeoJournal*. <http://link.springer.com/article/10.1007/s10708-014-9600-8> (last accessed 10/21/2014).
- 2014 **Burns, Ryan**. Rethinking Big Data in Digital Humanitarianism: Practices, Epistemologies, and Social Relations. *GeoJournal* 80(4):477-490. <http://link.springer.com/article/10.1007/s10708-014-9599-x> (last accessed 10/15/2014).
- 2014 **Burns, Ryan**. Moments of Closure in the Knowledge Politics of Digital Humanitarianism. *Geoforum* 53 (2): 51-62. <https://doi.org/10.1016/j.geoforum.2014.02.002>.
- 2013 Shanley, Lea, **R. Burns**, Z. Bastian, E. Robson. Tweeting Up a Storm: The Promise and Perils of Crisis Mapping. *Photogrammetric Engineering & Remote Sensing* 79 (10): 865-879.
- 2013 **Burns, Ryan**, A. Skupin. Towards Qualitative Geovisual Analytics: A Case Study Involving Places, People, and Mediated Experience. *Cartographica* 48(3): 157-176.

Book Chapters without Peer Review

- In press **Burns, Ryan**. Instagram’s City of Digital Engagement: A Direct Message Dialogue. In R. Kitchin, J. Shaw, M. Graham, S. Mattern (eds.), *How to Run the City Like A Corporation, and Other Fables*. Meatspace Press.
- 2019 **Burns, Ryan**. “Let the Private Sector Take Care of This”: The Philanthro-capitalism of Digital Humanitarianism. In M. Graham (ed.), *Digital Economies at the Global Margins*. Cambridge, MA: MIT Press.
- 2015 Schwartz, B., B. Tellman, **R. Burns**, C. Andersson. Big Data, Satellites, and Disaster Monitoring. In *UN Human Development Report 2015*. Incorporated into *Global Sustainable Development Report 2015*: <https://bit.ly/1QIWGfe> (last accessed 7/31/2018).

Edited Journal Issues (with Peer Review)

- Accepted Miller, Byron, **R. Burns**, V. Fast, A. Levenda. “Between Provincializing and Worlding Smart Cities”. Special Issue of *Urban Studies*. (Manuscripts due 12/15/2018)
- 2018 **Burns, Ryan**, C. Dalton, J. Thatcher. “Critical Data, Critical Technology in Theory and Practice.” Special Issue of *Professional Geographer*.

- 2017 **Burns, Ryan**, N. Lally. "Toward a Geographical Software Studies." Special Section of *Computational Culture*.
- 2015 **Burns, Ryan**, D. Meek. "The Politics of Knowledge Production in the Geoweb." Special Issue of *ACME: An International E-Journal for Critical Geographies*.
- 2014 **Burns, Ryan**, J. Thatcher. "What's So Big about Big Data? Finding the Spaces and Perils of Big Data." Special Issue of *GeoJournal*.

Conference Proceedings, White Papers, Op-Eds, Reviews, and Encyclopedia Entries

- Accepted **Burns, Ryan**, G. Gurung. "Opening Up: Emerging Perspectives on Data Sharing". Submitted as part of the Urban Alliance to the City of Calgary. (Revisions requested 10/30/2018)
- 2018 **Burns, Ryan**, B. Hawkins, A.-L. Hoffman, A. Iliadis, J. Thatcher. "Transdisciplinary Approaches to Critical Data Studies." ASIS&T 2018 conference proceedings.
- 2018 **Burns, Ryan**. Internet Mapping. In B. Warf (ed.), *The Sage Encyclopedia of the Internet*.
- 2018 Hawkins, Blake, **R. Burns**. Queering (Meta)data Ontologies. Gender & IT 2018 conference.
- 2017 **Burns, Ryan**. 8 Ways Canadian Academics Can Resist the Trump Administration. *University Affairs* "In My Opinion". <http://www.universityaffairs.ca/opinion/in-my-opinion/8-ways-canadian-academics-can-resist-trump> (last accessed 8/23/2017).
- 2013 **Burns, Ryan**, L. Shanley. Connecting Grassroots to Government for Disaster Management: Workshop Summary. Woodrow Wilson International Center for Scholars. <http://www.scribd.com/doc/165813847/Connecting-Grassroots-to-Government-for-Disaster-Management-Workshop-Summary> (last accessed 3/7/2014).
- 2012 **Burns, Ryan**. Connecting Grassroots to Government for Disaster Management. Woodrow Wilson International Center for Scholars. <http://bit.ly/OC4kmD> (last accessed 9/18/2012).
- 2009 **Burns, Ryan**, A. Skupin. Mapping Places, People, and Utterances to Visualize the Experience of Place. In Proceedings of the 24th International Cartographic Conference, Santiago, Chile (CD-ROM). <http://bit.ly/POhGuu> (last accessed 9/12/2012).

Published Maps

- 2018 Rockaway Peninsula Context. In **Burns, Ryan**. Datafying Disaster: Institutional Framings of Data Production following Superstorm Sandy. *Annals of the American Association of Geographers* 1-10. <http://www.tandfonline.com/doi/full/10.1080/24694452.2017.1402673>
- 2011 [Collection of 3 maps] In Ramamurthy, P., Rearticulating Caste: The Global Cottonseed Commodity Chain and the Paradox of Smallholder Capitalism in South India. *Environment and Planning A* 43: 1035-1056.
- 2011 [Collection of 5 maps/screenshots from the *Mapping Youth Journeys* project website] In K. Mitchell, S. Elwood. Creating Engaged Students and Civic Actors through Mapping Local History. *Journal of Geography* 111(4): 148-157.
- 2010 [Collection of 6 maps about poverty in the Pacific Northwest] In V. Lawson, L. Jarosz and A. Bonds. Dumping Grounds and Unseen Grounds: Placing Race, Ethnicity and Poverty in the American Northwest. *Annals of the Association of American Geographers* 100(3): 655-677.

- 2007 Map of Ecuador, Including the Extension of Páramo Grasslands and the Location of the Aglomerados, S.A. (ACOSA) Plantation. In K. Farley. Grasslands to Tree Plantations: Forest Transition in the Andes of Ecuador. *Annals of the Association of American Geographers* 97(4): 760.

Conference Presentations

Papers presented

- 2019 (expected) “Between Provincializing and Worlding: Theoretical and Epistemological Dilemmas of Comparative Smart City Research”. *Comparative Urbanism: Global Perspectives*. Urban Studies Institute, Georgia State University.
- 2019 (expected) “‘Smart’ Is Not a Thing: Epistemological Framings and Limits of Smart Cities”. Annual meeting of the AAG: Washington, DC.
- 2019 (expected) “Positionality, Interests, and Rationalities of the Smart City: Intersecting Roles of Smart City Actors”. Annual meeting of the AAG: Washington, DC. Presented as second author with Byron Miller (first) and Victoria Fast (third).
- 2018 “The Taming of Knowledge: Digital Infrastructures of Humanitarianism” **Invited presentation** at University of Toronto, Toronto, ON. Part of the “Infrastructures of Development” speaker series.
- 2018 “Open Data Portals for Community & Ecology: Convening for Common Good”. Canadian Open Data Summit ’18: Niagara Falls, ON. Primary presenter: Victoria Fast.
- 2018 “Where’s the Database in Digital Ethnography? Exploring Database Ethnography for Open Data and Smart Cities Research”. EASST (European Association for the Study of Science & Technology) 2018. **Lancaster, UK**. Presentation with Grace Wark. In session “Data Worlds? Public Imagination and Public Experimentation with Data Infrastructures” organized by Jonathan Gray, Noortje Marres, Carolin Gerlitz, Tomaso Venturini.
- 2018 “From government to community: ethnographic insights into the political dimension of data production.” **Invited presentation** at University of Exeter, Exeter, **UK**. Co-authored with Grace Wark. Presented with Morgan Mouton.
- 2018 “Smart Cities: Who Cares?” Annual meeting of the AAG. New Orleans, LA. Presented with Max Andrucki.
- 2018 “Development, Normativity, and Criticality: Three Points of Coalescence in Open Data Research and Practice”. **Invited presentation** (by video) at University of Lagos, **Lagos, Nigeria**.
- 2017 “Open Data and Smart Cities: Promises, Questions, Pitfalls, and Hopes”. **Invited presentation** at Macalester College, Minneapolis, MN.
- 2017 “Knowledge Politics and Representational Inequalities in Open Calgary”. Workshop: The Social and Environmental Implications of Smart Cities. Calgary, AB.
- 2017 “Knowledge Politics and Representational Inequalities in Open Calgary”. Nordic Geographers Meeting: **Stockholm, Sweden**.
- 2017 “Data Absences and Strategies: Community Tactics for Self-representation”. Annual Meeting of the AAG: Boston, MA.
- 2017 “Let the Private Sector Take Care of This”: New Intersections of Philanthropy, Humanitarianism, and Capitalism. 54th Annual Geography Department Conference, University of Calgary: Calgary, AB.

- 2016 “Big Data, digital humanitarianism, and smart cities: New directions for GIScience research”.
Invited presentation at San Diego State University Department of Geography: San Diego, CA.
- 2016 “The inequalities of economic and representational inclusion in digital ‘solutions’ to urban crisis”.
Regional Studies Association: Smart City-Regional Governance for Sustainability. **Dresden, Germany.**
- 2016 “Smart cities, open data, and knowledge politics: Blank spots in cartographic representations”.
NACIS 2016: Colorado Springs, CO. Accepted, but withdrew due to scheduling conflicts.
- 2016 “Everyday disruptions, digital restorations: Community engagement and resistance to digital humanitarianism”. Annual Meeting of the AAG: San Francisco, CA.
- 2015 “‘Let the private sector take care of this’: Toward a Political Economy of Digital Humanitarianism”.
Annual meeting of the AAG. Chicago, IL.
- 2014 “Crisis Mapping as Social Process: Research and Policy Implications of New Digital Technologies”.
Invited keynote presentation at Crisis Mapping Seminar, Heidelberg University, Germany.
- 2014 “The Digital Humanitarian Moment: New Practices, Knowledge Politics, and Philanthro-capitalism.” University of Washington Department of Geography Colloquium. Seattle, WA.
- 2014 “Rethinking Knowledge Politics through Digital Humanitarianism.” Annual meeting of the AAG.
Tampa, FL.
- 2012 “Digital Public Scholarship: Mapping Youth Journeys.” College of Arts & Sciences Dean’s
Showcase. *HuskyFest 2012*. Seattle, WA.
- 2012 “Beyond Inclusion and Empowerment: Inequality in the Geoweb.” Annual meeting of the AAG.
New York, NY.
- 2011 “Software-sorted Geographies of the Urban Global South.” Annual meeting of the AAG. Seattle
WA.
- 2010 Mitchell, K. & R. Burns [equal contribution] “Mapping Engagement: Using Basic Geovisualization
Technologies to Help Children Become Better Geographers and Better Citizens.” **Plenary session**,
Fall meeting of the Association of Washington Geographers.
- 2010 “‘Exploring Geovisualization’: Reflections, Ideas, and Questions.” Annual meeting of the AAG.
Washington, D.C.
- 2009 “Visualization of Attribute Spaces Involving Places, People and Utterances.” International
Cartographic Conference. Santiago, Chile.
- 2009 “Spatializing Places, People, and Utterances- A Case Study Involving San Diego Neighborhoods.”
Annual meeting of the AAG. Las Vegas, NV.
- 2008 “Landscapes of Participatory Dialogue: Participation and Geovisualization in AgoraXchange.”
Annual Meeting of the AAG. Boston, MA.
- 2008 Verutes, G., R. Burns “Visualizing Linguistic Variation within University Classroom Discourse.”
Annual Meeting of the AAG. Boston, MA.
- 2007 “...things seen are temporal, things unseen are eternal...” Association of Pacific Coast Geographers.
Long Beach, CA. Co-presenters: Christopher Moreno, Sean Crotty, Steven Jareb, Mike Beland,
Jenny Duncan, Karen Stahl.

Panel Participation & Sessions Organized

- 2019 (expected) Organizer. “Critical New Media and the Urban: Productive Tensions, or Conflicted Antagonisms?”. Annual Meeting of the AAG. Washington, DC. Organized with Eliot Tretter.
- 2019 (expected) Organizer. “Gendering the Smart City: Towards Just and Feminist Urban Futures”. Annual Meeting of the AAG. Washington, DC. Organized with Ayona Datta, Nabeela Ahmed, and Max Andrucki.
- 2019 (expected) Panelist. “Realizing the value of interdisciplinary research: How can critical theory be ‘applied’ to smart cities?”. Annual Meeting of the AAG. Washington, DC.
- 2018 Panelist and Organizer. “Interdisciplinary Critical Data Studies”. Annual Meeting of the Association for Information Science and Technology (**57% acceptance rate**). Vancouver, BC. Collaboration with Blake Hawkins, Anna Hoffman, Andrew Ileadis, Jim Thatcher.
- 2018 Organizer and panelist. “My City Is Smarter than Yours: Deconstructing the Buzzwords”. Annual Meeting of the AAG. New Orleans, LA. Organizer with Victoria Fast.
- 2018 Organizer. “Making Smarter Environments: The Environmental Politics and Practices of Smart Cities”. Annual Meeting of the AAG. New Orleans, LA. Organizer with Anthony Levenda.
- 2018 Panelist. “The Role of Research Communication Outside of Academia”. 55th Annual Geography Department Conference, University of Calgary: Calgary, AB.
- 2017 Organizer. “Urban-economic Perspectives on Technology”. Annual Meeting of the AAG. Boston, MA. Organizer with Daniel Cockayne.
- 2017 Panelist. “Documenting Evidence for Human Rights Tribunals and Litigation Using Geographic Research and Tools.” Annual Meeting of the AAG. Boston, MA.
- 2017 Panelist. “GIS Worker Co-ops: Prospects and Experiments”. Annual Meeting of the AAG. Boston, MA.
- 2017 Panelist. “UBC Urban Studies Lab Panel 3 (Algorithms & Society): Interdisciplinary Theoretical Urban Inquiry.” Annual Meeting of the AAG. Boston, MA.
- 2016 Organizer. “Hipster Geographies: Socio-spatial Practices, Politics, and Economies of Culture’s Most Maligned Figure”. Annual Meeting of the AAG. San Francisco, CA. Organizer with Cristina Temenos and Jesse McClelland. (2 sessions)
- 2016 Organizer. “Toward a Geographical Software Studies”. Annual meeting of the AAG. San Francisco, CA. Organizer with Nick Lally. (4 sessions)
- 2015 Consultant. “Academic Partnerships with HOT”. Humanitarian OpenStreetMap Team Summit. Organizer: Robert Soden.
- 2015 Organizer. “Critical Data, Critical Technology: in Theory.” Annual meeting of the AAG. Chicago, IL. Organizer with Jim Thatcher and Craig Dalton. 2 sessions.
- 2015 Organizer. “Critical Data, Critical Technology: in Praxis.” Annual meeting of the AAG. Chicago, IL. Organizer with Jim Thatcher and Craig Dalton.
- 2015 Organizer. “On the Political Economy of Geospatial Technologies.” Annual meeting of the AAG. Chicago, IL. Organizer with Jim Thatcher and Craig Dalton.
- 2014 Panelist. “Publishing, not Perishing: A Student’s Guide to Academic Publishing.” Annual meeting of the AAG. Tampa, FL.
- 2014 Panelist. “alt.conference on Big Data: Lightning Panel.” Annual meeting of the AAG. Tampa, FL.

- 2013 Organizer. “Whither Small Data?: The Limits of ‘Big Data’ and the Value of ‘Small Data’ Studies.” Organizer with Jim Thatcher. Annual meeting of the AAG. Los Angeles, CA. Presenting panelists: Rob Kitchin, Jim Thatcher, Ralph Schroeder (Oxford Internet Institute, Oxford University), Taylor Shelton. Discussant: Andrés Monroy-Hernández (Microsoft Research).
- 2013 Organizer. “Critical Interventions into Gender & the Geoweb.” Organizer with Monica Stephens. Annual meeting of the AAG. Los Angeles, CA. Presenting panelists: Brent Hecht, Monica Stephens, Michele Masucci, Adrienne Wadewitz (Center of Digital Learning and Research, Occidental College).
- 2012 Organizer. “Connecting Grassroots to Government for Disaster Management: A Policy Roundtable.” Organizer with Lea Shanley, John Crowley, and Alyson Lyons. Washington, DC. For list of panelists, see: http://www.wilsoncenter.org/sites/default/files/GrassrootstoGovernmentAgenda-9.9.12_0.pdf
- 2011-2012 Organizer. Series of 6 panels and roundtables on “Making the University Public”, a Graduate Interest Group through the Simpson Center for the Humanities, UW. Seattle, WA. Panels included: Susan Jeffords (Vice Chancellor for Academic Affairs, UW – Bothell), Kari Lerum (UW – Bothell), Tad Hirsch (Design, UW), Jentery Sayers (English, University of Victoria), John Vallier (UW Libraries), Richa Nagar (Department of Gender, Women, and Sexuality Studies, University of Minnesota).
- 2011 Organizer. “Critical Perspectives on Software & Space.” Organizer with Joe Eckert. Annual meeting of the AAG. Seattle, WA. Presenting panelists: Mark Graham, Matt Zook, Rob Kitchin, Wendy Chun (Modern Culture and Media, Brown University). Chair: Sarah Elwood. Discussant: Matt Wilson.

Discussant

- 2014 “Disaster Time: Critical Perspectives on Crisis Informatics and the Temporal Aspects of Disasters.” Annual meeting of the AAG. Tampa, FL. Organized by Barbara Poore and Sophia Liu. Presenters: Katrina Petersen (Communication, University of California – San Diego), Megan Finn (Microsoft Research, University of Washington), Sophia Liu (USGS).
- 2013 “Critical Interventions into Gender & the Geoweb.” Annual meeting of the AAG. Los Angeles, CA. Presenting panelists: Brent Hecht, Monica Stephens, Michele Masucci, Adrienne Wadewitz (Center of Digital Learning and Research, Occidental College).
- 2013 “Crowdsourcing Crisis in the GeoWeb: A Critical Look.” Annual meeting of the AAG. Los Angeles, CA. Organized by Barbara Poore and Sophia Liu. Presenters: Katrina Petersen (Communication, University of California – San Diego), Andrés Monroy-Hernández (Microsoft Research), Megan Finn (Microsoft Research), Cameran Ashraf (University of California – Los Angeles).

Conference Organization

- 2018 Organizer. 13th Annual Critical Geographies Mini-conference. University of Calgary.
- 2017 Co-organizer. “Emerging Theories in Critical Cartography and GIS”. Workshop concurrent with the North American Cartographic Information Society. Montreal, QC. Organizer with Renee Sieber, Jim Thatcher, Britta Ricker, and Luke Bergmann.

2017 Co-organizer. “The Social and Environmental Implications of Smart Cities: a Global Comparative Research Agenda”. Workshop at University of Calgary. Co-organizers: Byron Miller, Victoria Fast, Anthony Levenda, Eliot Tretter, Jack Lucas, Frank Towers, Dean Curran.

Teaching

University of Calgary

2019 (expected) Smart Cities Asia: Geography Field School (study abroad)
2017-2019 Advanced Research and Applications in GIS (graduate course; 3 sections)
2019 Arts and Sciences Honours Academy – Capstone Course
2019 New Digital Geographies (graduate seminar)
2018 Introduction to Geospatial Methods
2017-2018 Urban and Environmental GIS (2 sections)
2017 Geographic Field Study Methods

Temple University

2016 Web and Mobile GIS (2 sections)
2015-2016 Digital Mapping (2 sections)
2015-2016 Fundamentals of GIS (3 sections)

University of Washington

2015 GIS Databases and Programming
2014 Cultural Geography
2013 The Making of World Regions (Online course)
2012 Urban GIS

Invited Lectures

2017-2018 3 guest lectures in GEOG 231: Introduction to Geospatial Methods (UofC)
2016-2018 5 guest lectures in GEOG 463: Cities, Poverty, and Development (UofC)
2017 Simon Fraser University guest lecture, GSWS 399: Gender, Sex and Numbers
2016-2017 2 guest lectures in GEOG 340: Qualitative Methods in Human-Environment Research (UofC)
2016 Guest lecture in ENST 2097: Research Design in Environmental Studies (TU)
2015 Seminar host in Data Science for Social Good program (UW)
2014 Guest lecture in GEOG 360: Introduction to GIS (UW)
2014 Guest lecture in GEOG 277: Geographies of Cities (UW)
2012 Guest lecture in GEOG 469/569: GIS Workshop (UW)
2012 Guest lecture in GEOG 461/561: Urban GIS (UW)
2010 “Participatory Mapping” Imagining America Site Visit (UW)

Teaching Assistant

- 2014 UW Geography Teaching Assistant: *Introduction to GIS*
- 2012 UW Geography Teaching Assistant: *Urban GIS, GIS Workshop*
- 2007-2008 SDSU Geography Teaching Assistant: *Introduction to GIS* (twice), *Map Investigation*, and *Animated Cartographic Design*

Advising

Post-doctoral mentorship

- 2019-present **Debra Mackinnon**, PhD, Department of Geography, University of Calgary
- Co-supervised with Victoria Fast, funded through UofC's Eyes High postdoctoral fellowship
- 2017-present **Morgan Mouton**, PhD, Department of Community Health Sciences, University of Calgary
- Post-Doctoral Fellowship in Human-Animal Studies, Urban Studies, PI: Melanie Rock.
 - Provided formal mentorship to position: invited as guest lecture, reviewed application materials, and tasked with work related to the "Open Data for a Smarter City" project.
- 2017-2018 **Anthony Levenda**, PhD, Department of Geography, University of Calgary
- Social and Political Implications of Smart Cities, PI: Byron Miller.
 - Provided informal support, mentorship, and guidance for this position.

Graduate supervision

- 2019-present **Preston Welker**, Master of Arts, Geography, University of Calgary. Supervisor.
- 2018-present **Joyce Percel**, PhD student, Geography, University of Calgary. Co-supervisor.
- 2018-present **Kristy Myles**, Master of Arts, Geography, University of Calgary. Committee member.
- 2017-present **Dare Adeyemi**, Master of Arts, Geography, University of Calgary. Supervisor
- Awarded the Queen Elizabeth II Scholarship (\$10,800)
 - Awarded the Faculty of Graduate Studies Travel Award (\$750)
- 2017-present **Angela Ambrose**, Master of Arts, Geography, University of Calgary. Supervisor
- Awarded the Queen Elizabeth II Scholarship (\$10,800)
 - Awarded \$1,500 in multiple internal travel grants
- 2017-present **Prakash Gautam**, Master in GIS, University of Calgary. Supervisor
- 2017-present **Blake Hawkins**, PhD student, Interdisciplinary Studies, University of British Columbia
- HASTAC Scholar project "Queering Ontologies of (Meta)data".
- 2015-2016 **Jing-Huei Huang**, MA. Community service GIS project, Supervisor
- "The Practice Use of Geographic Information System (GIS): East Falls Village – Identify Existing and Target Members".
 - Now in a PhD program at University of North Carolina.

Undergraduate supervision

- 2018-present **Brian Lau**, undergraduate Health & Society honors capstone project
- Co-supervised with Morgan Mouton
- 2018-present **Duncan Lucas**, University of Calgary Scholars Academy Mentorship program.
- 2017-2018 **Grace Wark**, undergraduate honors thesis project.
- Recipient of the City of Calgary's \$1,000 Student Scholarship to attend the Canadian Open Data Summit.

- 2017-2018 **Dante Renato Bencivenga**, University of Calgary Scholars Academy Mentorship program.
- 2016 **Jessica Waldinger**, Spring 2016 CARAS Project Grant. Supervisor.
- Now in a master's degree program at University of Saskatchewan.

Examination committees

- 2018 **Wayne Tobbitt**, MGIS, University of Calgary. Internal-external examiner.
- 2018 **Yawei Zhao**, PhD, University of Calgary. Internal-external examiner.
- 2017 **Francisco Uribe**, PhD, University of Calgary. External examiner.

Professional Service

- 2018-present Communications committee chair, *Socialist & Critical Geography Specialty Group of the AAG*
- 2018-present Book review editor, *The Canadian Geographer*
- 2018-present Program Advisory Board, Arts & Sciences Honours Academy, University of Calgary
- 2017-present International Advisory Board, *ACME: International Journal for Critical Geographies*
- 2017-present Master's in GIS (MGIS) Renewal Committee
- 2017, 2019 Program Committee for *Spatial Knowledge and Information – Canada 2017*
- 2017-2018 College of Reviewers applicant – reviewer (twice)
- 2018 Hiring committee, Faculty of Environmental Design
- 2015-2016 Professional Science Master's in GIS Steering Committee, *Temple University*
- 2013-2014 Secretary and Treasurer, *Geographic Information Systems & Science Specialty Group of the AAG*
- 2012-2013 Student Representative, *Geographic Information Systems & Science Specialty Group of the AAG*
- 2012-2013 Leadership Collective Member, *Socialist & Critical Geography Specialty Group of the AAG*
- 2012-2013 Research Assistant, *Commons Lab, Woodrow Wilson International Center for Scholars*
- 2008-2012 Webmaster, *Socialist & Critical Geography Specialty Group of the AAG*
- 2011-2012 Primary Project Liaison, "Making the University Public" Graduate Interest Group
- 2011-2012 Graduate Policy Committee Representative, Department of Geography, UW
- 2010-2011 Co-president (with Chris Lizotte) of the Geography Dept Graduate Student Association

Manuscript Reviews

ACME: An International E-Journal for Critical Geographies (x3)

Big Data & Society

Canadian Geographer

Cartographica

Computational Culture

Geoforum (x2)

GeoJournal (x3)

Geography Compass (x3)

(Geo)Spatial Technologies for Urban Health (book chapter)

International Journal of Applied Geospatial Research

International Journal of Disaster Risk Reduction
Journal of Urban Technology
Mitacs Accelerate Research Proposal
National Science Foundation (NSF) Standard Grant Application (x2)
New Media & Society
Philosophical Transactions
Plenum: A Journal of Geography (x2)
 Pluto Press (Book reader's report)
Professional Geographer (x2)
Transactions on Emerging Topics in Computing (x2)
US National Report to the International Cartographic Association

Community and Public Scholarship

- 2019 CBC Calgary interview on open restaurant inspection data platforms (1/30/2019).
- 2019 UToday interview on the politics of open data (2/1/2019).
- 2018 Inaugural lecture, "Social and Technological Humanitarian Studies" program, University of Calgary. A lecture I organized to report to my department the research I've been doing.
- 2018 Keynote presenter, "Open Data Community of Practice" workshop. City of Calgary, AB.
- 2018 Organizer, "YYC Data Collective Launch Workshop". Community engagement session for YYC Data Collective, in collaboration with local volunteer and research organizations.
- 2018 Reviewer and Panelist for The Urban Research Network Graduate Student Publishing Workshop
- 2018 Participant in Department of Geography Academic Writing Month Workshop.
- 2017 Judge for the Department of Geography's 54th Annual Conference
- 2017 2-day University of Calgary map-a-thon for Geography Awareness Week and GIS Day, contributing to Building Canada 2020.
- 2017 Coverage of research in UToday (U of Calgary campus newsletter). "Transforming the Role of Academic Libraries in the Research Enterprise." <http://bit.ly/2xA1ir2>.
- 2015 Formatting and Sharing Your Syllabus with Markdown and Github. Invited workshop at Temple University, 10/30/2015.
- 2014 Impact Evaluation Framework public portfolio, in partial fulfillment of graduate certificate in public scholarship.
- 2013 Interview for the Digital Humanitarian Network, "Guidance for Collaborating with Formal Humanitarian Organizations." <http://app.box.com/s/w25sqotkg4qc2f2ch1ii>.
- 2012-2013 Participation in various digital humanitarian activations (Samoa, Dominican Republic, Typhoon Bopha)
- 2012 Interview for *Simpson Center for the Humanities News*, "Doctoral Student Ryan Burns Selected to Present on Digital Scholarship at UW HuskyFest 2012." <http://bit.ly/HUCIQS>.
- 2012 Interview for *UW Today*, "UW Leads in Connecting Scholarship with Community." <http://bit.ly/yQ77sX>.

- 2011 Attended Imagining America public scholarship conference. Coverage in “Certificate in Public Scholarship Fellows Represent UW at Imagining America Conference.” *Simpson Center for the Humanities Center News*. <http://bit.ly/IgG6bl>.
- 2010 Volunteered in “Participatory Mapping” Imagining America conference site visit
- 2005 Coverage of volunteer research work in “Researchers Hope to Map, Identify Graves in Abandoned Cemetery.” *Diverse Issues in Higher Education*. <http://bit.ly/Jx7d2h>.

Affiliations

HASTAC Scholar, *Humanities, Arts, Science, and Technology Alliance and Collaboratory (HASTAC)*

Member, *Standby Task Force (digital humanitarian organization)*

Member, *Gamma Theta Upsilon (international geographic honorary society)*

Member, *International Association of Emergency Managers*

Member, *American Association of Geographers (AAG)*

Additional Research Activities

- 2014 Research Assistant: Dr. Matt Dunbar, Center for Studies of Demography and Ecology
- 2009-2012 Research Assistant: Dr. Sarah Elwood, *Mapping Youth Journeys*
- 2009-2010 Assistant: Dr. Katharyne Mitchell, *Top This Parenting*
- 2008-2009 GIS Specialist: Helix Environmental Planning, Inc.
- 2007 GIS Analyst/Cartographer: Baja Directions (bathymetric cartography company)
- 2006-2007 SDSU Geography Graduate Assistant: Dr. Kathleen Farley
- 2006-2007 GIS Analyst: IGIS Technologies, Inc. (GIS services consulting company)

Signed and dated:



Ryan Burns, PhD

February 1, 2019