Ryan L. Burns, PhD

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Academic Appointments

2022-present	Associate Professor
	Department of Geography, University of Calgary
2016-2022	Assistant Professor
	Department of Geography, University of Calgary
2015-2016	Assistant Professor of Instruction
	Department of Geography and Urban Studies, Temple University

Affiliations

2020-present	**Editorial Board member**, *Digital Geography & Society*
2020-present	**Review Editor**, *Frontiers in Big Data* (Data Analytics for Social Impact Section)
2017-present	**International Advisory Board**, ACME: International Journal for Critical Geographies
2017-present	Faculty Member, O'Brien Institute for Public Health, University of Calgary
2017-present	Mentor, Scholars Academy, University of Calgary
2023	Visiting Scholar, Institute of Geography, University of Erlangen-Nuremberg
2022	Visiting Scholar, Department of Geography, University of British Columbia (Winter Term 2022)
2022	Visiting Teaching Fellow, Department of Sociology, University of Antwerp (Spring Term 2022)
2021-2022	Visiting Scholar, Department of Geography, University of California, Berkeley
2021-2022	Visiting Professor, Department of Sociology, Katholische Universität Eichstätt-Ingolstadt
2018-2022	Book Review Editor, *The Canadian Geographer*
2019	Instructor, Arts & Sciences Honours Academy, University of Calgary

Education

2009-2015	Ph.D., Geography, University of Washington, Seattle, WA, USA
	Supervisor: Sarah Elwood (Geography, UW); Supervisory Committee: Mark Ellis (Geography, UW), Vicky Lawson (Geography, UW), 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	Certificate in Public Scholarship, Simpson Center for the Humanities, University of Washington, Seattle, WA, USA
	Completed coursework "Scholarship as Public Practice", "Public Culture", and the Certificate practicum
2009	M.S., Geographic Information Science, San Diego State University, San Diego, CA, USA
	Committee: André Skupin (Geography), Stuart Aitken (Geography), Eniko Csomay (Linguistics)
2006	B.A., Geography, Magna Cum Laude, Honors, Eastern Kentucky University, Richmond, KY, USA

Recognitions and Honours

2022	Fellow, Royal Canadian Geographic Society (nominated and **elected**).
2019-present	Early Faculty Council, O'Brien Institute for Public Health (**anonymously nominated**).
2020	Emerging Research Leader Award, O'Brien Institute for Public Health (**nominated**, not conferred)
2019	Excellence Award in Graduate Supervision, Graduate Students' Association, University of Calgary (anonymously nominated, competitively adjudicated, and **awarded**)
2017	Department of Geography Graduate Student Association Recognition Award: "Significant Contributions to the Graduate Student Experience" (anonymously nominated and **awarded**)
2016	American Association of Geographers Honors Committee (**anonymously nominated,** not conferred)
2013	Gerlach Award, Graduate School (University of Washington). $3,000 (USD).
2009	Top Scholar Award, College of Arts & Sciences (University of Washington). $9,000 (USD).

2009	Master's Award, Cartography & Geographic Information Society (CaGIS). $500 (USD).
2007	McFarland Award, San Diego State University. $6,600 (USD).
2007	First Place, Map Design Competition, San Diego State University. $50 (USD).
2006	Honored with the Key to the City of Berea, Kentucky.

Grants and Scholarships

Career totals:	19 as PI or Co-PI (Total $504,878)
	8 as Co-applicant, 2 as Collaborator (Total $1,259,230)

As Principal Investigator

(Bold indicates external adjudication)

Applied	British Academy, Visiting Fellowship. "Crisis at the end of smartness: Adaptation mobilities around 'What comes next?'. £31,612.87.
2023	**Bavarian Research Alliance**, Bavarian Funding Programme for the Initiation of International Projects (BayIntAn). Co-PIs: Blake Walker, Ryan Burns. €4056 ($5,925 CAD).
2022	**Social Sciences and Humanities Research Council** (SSHRC), Connection Grant. "Digital Geographic Movements and Methods". PI: Ryan Burns. Co-applicants: Luis Alvarez Leon, Eric Robsky Huntley, Will Payne, Emma Fraser. $14,380. Will fund a summer 2023 workshop in Calgary.
2021	**Social Sciences and Humanities Research Council** (SSHRC), Insight Grant. "Digitizing Carbon Capitalism". PIs: Ryan Burns, Eliot Tretter. $97,265.
2021	**American Association of Geographers**, Research Grant. PI: Ryan Burns. "Spatializing Digital Labor". $500 (USD).
2017-2022	Calgary Institute for the Humanities (University of Calgary), Working Groups funding. "Social Justice and the Smart City". **2017 conveners**: Anthony Levenda, **Ryan Burns**, Victoria Fast, Dean Curran, Noel Keough, Elizabeth Paris, Frank Towers. **2019 conveners**: **Ryan Burns**, Victoria Fast, Debra MacKinnon, Byron Miller, Elizabeth Paris, Matt Patterson (alphabetical). **2020 conveners**: **Ryan Burns**, Dean Curran, Victoria Fast, Noel Keough, Debra MacKinnon, Byron Miller, Alan Smart (alphabetical). **2021 conveners:** 6 graduate students, Eliot Tretter, Victoria Fast, Byron Miller, **Ryan Burns**, Noel Keough, Alan Smart. Past speakers: Erin McElroy, Prince Guma, Isaac Rivera, Elvin Wyly, Taylor Shelton, Gillian Rose, Anthony Levenda, Yonn Dierwechter, Kevin Ward, Harris Breslow, Ben Green, Alison Powell, Debra Mackinnon, sava singh, Simon Marvin.

$11,000 total: $3,000 (2017), $2,000 (2019), $2,000 (2020), $2,000 (2021), $2,000 (2022).

2019	**Innovate Calgary**, Catalyzing Change Internship. PI: Ryan Burns. $10,000.
2019	Vice President of Research (University of Calgary), Eyes High Postdoctoral Scholars Competition. 2 years of funding, $55,000 each. Co-PIs: Ryan Burns, Victoria Fast. $110,000.
2018	**Social Sciences and Humanities Research Council** (SSHRC), Insight Development Grant. "The Politics of Knowledge Representation in Open Data and Smart Cities". PI: Ryan Burns. $53,655.
2018	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. $16,500.
2018	Vice President of Research (University of Calgary), Conference Grant. To support the 13th Annual Critical Geographies Mini-Conference. PI: Ryan Burns. $5,000.
2018	Faculty of Arts (University of Calgary), Scholarly Activity Grant. To support the 13th Annual Critical Geographies Mini-Conference. PI: Ryan Burns. $1,000.
2017	**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. $27,600.
2016-2020	Vice President of Research (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. $150,000.
2017	Social Sciences and Humanities Research Council (SSHRC), through University of Calgary. Insight Development Enhancement Grant. PI: Ryan Burns. $3,422.
2013	**United Nations Office for the Coordination of Humanitarian Affairs**: "Humanitarian Research and Innovation Grant". Co-PIs: Ryan Burns, Kenny Meesters. $4,000 (USD).
2011	Department of Geography (University of Washington), Howard Martin Research Grant. $556. (USD).

As Co-applicant

2022	Urban Studies Foundation, International Fellowship. "Caring for a Just City." PI: Mónica Farías. Mentor: Ryan Burns. Awarded 7/27/2022. £7730 (GBP).
2020	**Social Sciences and Humanities Research Council** (SSHRC), Partnership Development Grant. "Smart Cities in Global Comparative Perspective: Worlding and Provincializing Relationships". PI: Byron Miller; Co-applicants: Ryan Burns and 21 others; 6 collaborators. $200,000 (additional $227,979 in partner contributions).
2020	Graduate Students' Association (University of Calgary), Professional Development Grant. PI: Ricardo Barbosa. To cover open access fees for our co-authored article in Journal of Maps. $750.
2018	Graduate Students' Association (University of Calgary), Quality Money. To support the 13th Annual Critical Geographies Mini-Conference. Co-applicant with organizing committee graduate students. $680.
2018	Latin American Research Centre (University of Calgary). To support the 13th Annual Critical Geographies Mini-Conference. Co-applicant with organizing committee graduate students. $500.
2017	**Social Sciences and Humanities Research Council** (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. $25,000.
2017	Hunter Hub for Entrepreneurial Thinking (University of Calgary), Global Entrepreneurship Week Engagement Fund. Co-applicant. $2,500.
2017	Social Sciences and Humanities Research Council (SSHRC), through University of Calgary, Partnership Development Seed Grant. "Scaling Local Non-academic Partnerships to Support Global Comparative Smart Cities Research". $5,000.

As Collaborator

2021	**Making the Shift**, "Co-creating a data and knowledge roadmap to support youth homelessness research, operations, and policy in Canada". $499,800.
2019	**Canadian Institutes of Health Research** (CIHR), "Artificial Intelligence for Public Health (AI4PH): A Focus on Equity and Prevention". 5 PIs, 23 Co-investigators, 29 Collaborators. $525,000.

Travel scholarships

2021	Group Study Programs Virtual Conversion Grant, to support "Artificial Intelligence for Community Public Health", University of Calgary. **$3,123.61**.
2020	O'Brien Institute for Public Health, financial support for Study Abroad "Artificial Intelligence for Community Public Health". **$5,655**.
2020	Campus Alberta Grant for International Learning, to support the 2019 Smart Cities Asia field school. **$7,500**.
2016	Vice President of Research (University of Calgary), Faculty Conference Travel Grant. **$1,500**.
2011-2012	Simpson Center for the Humanities (University of Washington), Graduate Interest Group Funding. **$1,000 (USD)**.
2011	Simpson Center for the Humanities (University of Washington), Travel Funds. **$750 (USD)**.
2011	University of Washington, Graduate School Fund for Excellence and Innovation. **$500 (USD)**.
2011	Graduate & Professional Student Senate (University of Washington), Travel Fund. **$250 (USD)**.
2009	International Cartographic Association (ICA), Travel Scholarship. **$1,800 (USD)**.

Research Institutes Participation

2023	Platforming and Unplatforming. Hosted by Arizona State University's Social Data Science. Los Angeles, CA. February 6-8. Accepted, but withdrawn due to scheduling conflicts.
2022	Knowledge and Digital Technology; 19th symposium of the Klaus Tschira Symposia on Knowledge and Space. Heidelberg University, Heidelberg, **Germany**. May 4-6, 2022. **Personal invitation**.
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

Career totals:	Google Scholar h-index:	14
	Scopus h-index:	11
	Total citations:	814
	Books published:	1
	Peer-reviewed articles/chapters:	24
	Non-peer reviewed contributions:	5
	Conference proceedings:	5
	Non-traditional publications:	13
	Published maps:	6

Books (1 total)

2023	Mackinnon, Debra, R. Burns, V. Fast (Eds.). *Digital (In)Justice in the Smart City*. Toronto: University of Toronto Press. ISBN: 9781487527174. https://utorontopress.com/9781487527174/digital-injustice-in-the-smart-city/

Peer Reviewed Articles and Book Chapters (24 published and in press)

Major Revisions	**Burns, Ryan**, E. Tretter. Digital Transformations of the Urban – Carbon – Labor Nexus: A Research Agenda. Abstract accepted in "Digital Natures: Reworking Epistemologies, Ontologies and Politics" special issue of *Digital Geography & Society* (Eds. Andres Luque-Ayala, Eric Nost, and Ruth Machen). Resubmitted 2/14/2023.
Submitted	**Burns, R**. Spatializing Digital Labor. *Progress in Human Geography*. Submitted 3/8/2022.
2023	**Burns, Ryan**. More Queer, More than Human: A Framework for Digital Justice for Smart Cities. In D. Mackinnon, R. Burns, V. Fast (Eds.), *Digital (In)Justice in the Smart City*. Toronto: University of Toronto Press. ISBN: 9781487527174. https://utorontopress.com/9781487527174/digital-injustice-in-the-smart-city/
2023	**Burns, Ryan**, D. Mackinnon, V. Fast. Toward Urban Digital Justice: The Smart City as an Empty Signifier. In D. Mackinnon, R. Burns, V. Fast (Eds.), *Digital (In)Justice in the Smart City*. Toronto: University of Toronto Press. ISBN: 9781487527174. https://utorontopress.com/9781487527174/digital-injustice-in-the-smart-city/
2023	**Burns, Ryan**, P. Welker. Interstitiality in the smart city: More than top-down and bottom-up smartness. *Urban Studies*. 60(2): 308-324. https://doi.org/10.1177/00420980221097590.
2022	**Burns, Ryan**, P. Welker. "Make Our Communities Better through Data": The Moral Economy of Smart City Labor. *Big Data & Society* 9(1): 1-13. https://doi.org/10.1177/20539517221106381.
2021	Mouton, M., **R. Burns**. (Digital) Neo-colonialism and the Smart City. *Regional Studies* 55(12): 1890-1901. https://doi.org/10.1080/00343404.2021.1915974.
2021	Thatcher, Jim, C. Dalton, **R. Burns**. Introduction to Regional Approaches to Data, Environment, and Society. *Regional Studies* 55(12): 1853-1856. Peer-reviewed Introduction to eponymous special issue. https://doi.org/10.1080/00343404.2021.1993170.
2021	**R. Burns**, V. Fast, A. Levenda, Miller, Byron (alphabetical). Smart Cities: Between Worlding and Provincialising. *Urban Studies* 58(3):461-470. https://doi.org/10.1177/0042098020975982.
2021	Miller, B., K. Ward, **R. Burns**, V. Fast, A. Levenda. Worlding and Provincialising Smart Cities: From Individual Case Studies to a Global Comparative Research Agenda. *Urban Studies* 58(3): 655-673. https://doi.org/10.1177/0042098020976086.
2020	**Burns, Ryan**, M. Andrucki. Smart Cities: Who Cares? *Environment & Planning A* 53(1): 12-30. https://doi.org/10.1177/0308518X20941516.
2020	Barbosa Jr., Ricardo, **R. Burns**. A Community Farm 'Maps Back'! Disputes over Public Urban Farmland in Calgary, Alberta. *Journal of Maps*. OnlineFirst.

https://doi.org/10.1080/17445647.2020.1805806. Competitively selected for a special issue edited by Joe Gerlach.

2019   **Burns, Ryan**, G. Wark. Where's the Database in Digital Ethnography? Exploring Database Ethnography for Open Data Research. *Qualitative Research* 20(5): 598-616. https://doi.org/10.1177/1468794119885040.

2019   **Burns, Ryan**. New Frontiers of Philanthro-capitalism: Digital Technologies and Humanitarianism. *Antipode* 51(4):1101-1122. https://doi.org/10.1111/anti.12534.

2018   **Burns, Ryan**. Datafying Disaster: Institutional Framings of Data Production following Superstorm Sandy. In N. Heynen (ed.), *Social Justice and the City*. Routledge. ISBN: 978-1-138-32274-5. https://www.routledge.com/Social-Justice-and-the-City/Heynen/p/book/9781138322745

2018   **Burns, Ryan**. Datafying Disaster: Institutional Framings of Data Production following Superstorm Sandy. *Annals of the American Association of Geographers* 108(2): 569-578. https://doi.org/10.1080/24694452.2017.1402673.

2018   **Burns, Ryan**. Synergizing Geoweb and Digital Humanitarian Research. In Thatcher, J., A. Shears, J. Eckert (eds.), *Thinking Big Data in Geography: New Regimes, New Research*, 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. https://doi.org/10.1080/00330124.2017.1325749.

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. https://doi.org/10.1177/0308518X15622208.

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.

2015   **Burns, Ryan**. Rethinking Big Data in Digital Humanitarianism: Practices, Epistemologies, and Social Relations. *GeoJournal* 80(4):477-490. https://doi.org/10.1007/s10708-014-9599-x.

2014	**Burns, Ryan**, J. Thatcher. Guest Editorial: What's So Big about Big Data? Finding the Spaces and Perils of Big Data. *GeoJournal* 80(4): 445-448. https://doi.org/10.1007/s10708-014-9600-8.
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. https://www.wilsoncenter.org/sites/default/files/October_Highlight_865-879.pdf (last accessed Nov 10, 2019).
2013	**Burns, Ryan**, A. Skupin. Towards Qualitative Geovisual Analytics: A Case Study Involving Places, People, and Mediated Experience. *Cartographica* 48(3): 157-176. https://doi.org/10.3138/carto.48.3.1691.

Book Chapters without Peer Review (5 total)

Accepted	Fast, Victoria, N. Rogers, **R. Burns**. Toward the Democratization of Geospatial Data: Evaluating Data Decisioning Practices. In A. Kent and D. Specht (Eds.), *The Routledge Handbook of Geospatial Technology and Society*.
Accepted	**Burns, Ryan**. Relational Spaces of Digital Labor. In J. Glueckler (Ed.), *Knowledge & Space*. Springer. Revised version submitted 10/14/2022.
2019	**Burns, Ryan**. Instagram: A City of Digital Engagement. In R. Kitchin, J. Shaw, M. Graham, S. Mattern (eds.), *How to Run the City Like Amazon, and Other Fables*, 622-653. Meatspace Press. https://shop.meatspacepress.com/product/how-to-run-a-city-like-amazon-and-other-fables
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* (129-152). 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/1QlWGfe (last accessed 11/10/2019).

Edited Journal Issues with Peer Review (7 total)

Accepted	Burns, R., M. Mouton. "(Im)material streams in the city: ecologies, economies, electrons". *Journal of Urban Technology*. Accepted 11/27/2022.
2022	**Burns, R.**, J. Flacke, R. Ghose, F. Harvey. "Public Participation in 2020: New Forms, new modes, new questions?". Special issue of *International Journal of Geo-Information*.

2021	Thatcher, Jim, **R. Burns**, C. Dalton. "Regional Approaches to data, environment, and society". Special issue of *Regional Studies*.
2021	Miller, Byron, **R. Burns**, V. Fast, A. Levenda. "Between Provincializing and Worlding Smart Cities". Special Issue of *Urban Studies*. OnlineFirst. https://doi.org/10.1177/0042098020975982.
2018	**Burns, Ryan**, C. Dalton, J. Thatcher. "Critical Data, Critical Technology in Theory and Practice." Special Issue of *Professional Geographer*.
2017	Lally, Nick, **R. Burns**. "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 (5 total)

Accepted	Burns, Ryan, A.-L. Hoffmann, P. Welker. Toward Intimate Data: Re-thinking digital, social, political relations. Association of Internet Researchers 2022: Dublin, Ireland. (Peer reviewed). Revised version sent 10/14/2022.
2020	**Burns, Ryan**, P. Welker. Moral Economies of Open Data Platforms. Association of Internet Researchers 2020: Virtual conference. https://doi.org/10.5210/spir.v2020i0.11186 (Peer reviewed)
2019	**Burns, Ryan**, B. Hawkins, A.-L. Hoffman, A. Iliadis, J. Thatcher. Transdisciplinary Approaches to Critical Data Studies. *ASIS&T 2018 conference proceedings* (657-660). https://doi.org/10.1002/pra2.2018.14505501074. (Peer reviewed)
2018	Hawkins, Blake, **R. Burns**. Queering (Meta)data Ontologies. Gender & IT 2018 conference. https://doi.org/10.1145/3196839.3196875. (Peer reviewed)
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). https://bit.ly/2klVz75 (last accessed 6/20/2020).

White Papers, Op-Eds, Reviews, and Encyclopedia Entries (13 total)

2022	**Burns, Ryan**. Open but not even: Database ethnography for exploring open data's inequalities. **Invited** Sage Methodspace blog post summarizing and expanding on my 2019 article "Where's the Database in Digital Ethnography?". https://www.methodspace.com/blog/opennoteven (last accessed 6/21/2023).

2021   **Burns, Ryan**. Transgressions: Reflecting on Critical GIS and Digital Geographies. "New Voices in Digital Geographies" symposium of *Digital Geography & Society* 2: 1-3. https://doi.org/10.1016/j.diggeo.2021.100011.

2020   **Burns, Ryan**. Review of J. Sadowski, "Too Smart: How Digital Capitalism is Extracting Data, Controlling Our Lives, and Taking over the World". *Economic Geography* 97(1): 115-116. https://doi.org/10.1080/00130095.2020.1819159.

2020   **Burns, Ryan**. A COVID-19 panacea in digital technologies? Challenges for democracy and higher education. In special commentary section for COVID-19. *Dialogues in Human Geography* 10(2): 246–249. https://doi.org/10.1177%2F2043820620930832.

2020   Thatcher, Jim, **R. Burns**, T. Lauriault. Digital Geographies. In Audrey Kobayashi (Ed.) *International Encyclopedia of Human Geography*, 335-340. New York: Elsevier. https://doi.org/10.1016/B978-0-08-102295-5.10537-2.

2020   **Burns, Ryan**. Spatializing Digital Labour. Working Paper #3 for Engaging Open Data Research. https://osf.io/xp2dz/.

2020   **Burns, Ryan**. Spatializing Digital Labour: A Reading List. Working Paper #2 for Engaging Open Data Research. https://osf.io/3jrs5/.

2019   **Burns, Ryan**. Review of S. Noble, "Algorithms of Oppression". *Antipode*. Review symposium including J. Thatcher, B. Hawkins, O. Igbinedion, with Safiya Noble's response. https://antipodeonline.org/wp-content/uploads/2019/11/2.-Ryan-Burns.pdf.

2019   **Burns, Ryan**, G. Gurung. Opening Up: Emerging Perspectives on Data Sharing. Policy white paper delivered to the City of Calgary, as part of an Urban Alliance funded project.

2018   **Burns, Ryan**. Internet Mapping. In B. Warf (Ed.), *The Sage Encyclopedia of the Internet*. http://dx.doi.org/10.4135/9781473960367.n150.

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).

Published Maps (6 total)

2022   Open Data Inequality in Calgary. In Burns, Ryan. Open but not even: Database
            ethnography for exploring open data's inequalities.
            https://www.methodspace.com/blog/opennoteven (last accessed 6/21/2023).

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. https://doi.org/10.1080/24694452.2017.1402673.

2012   [Collection of 5 maps/screenshots from the Mapping Youth Journeys project website] In
            K. Mitchell, S. Elwood. Engaging Students through Mapping Local History. Journal of
            Geography 111(4): 148-157. https://doi.org/10.1080/00221341.2011.624189.

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(5): 1035-1056. https://doi.org/10.1068/a43215.

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. www.jstor.org/stable/40863554.

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. https://doi.org/10.1111/j.1467-8306.2007.00581.x.

Invited Talks

2023   "Digital urbanism and its discontents: Participation, exploitation, and moral economy in
            the smart city". **Invited talk** for University of Victoria Department of Geography. Virtual.

2022   "Digital urbanism and its discontents: participation, exploitation, and moral economy in
            the smart city". Presented to Urban Studies Institute, **University of Antwerp**. Delivered as
            part of my Visiting Teaching Professor position.

2022   "How Do We Make Smart Cities Socially Just?". Public presentation and dialogue for
            Stadsform, Antwerp, **Belgium**. Delivered as part of my Visiting Teaching Professor
            position. Dialogue with Judith Veenkamp, moderated by Elisabet Van Wymeersch.

2021   "Transgressions: Positionality and Criticality in Digital Geographies". **Invited keynote**
            presentation at Digital Geographies Summer School, Friedrich-Alexander-Universität
            Erlangen-Nürnberg, **Germany**. Virtual conference.

2021   "Promiscuous Knowledges". Virtual **keynote** for Katholische Universität Eichstätt-Ingolstadt seminar "Practicing Place" (**Germany**). Delivered as part of my Visiting Professor position.

2021   "In and Out of (Digital) Place". Virtual **keynote** for Katholische Universität Eichstätt-Ingolstadt seminar "Practicing Place" (**Germany**). Delivered as part of my Visiting Professor position.

2019   "Where's the Database in Digital Ethnography? Exploring Database Ethnography for Open Data and Smart Cities Research." Presented in the Department of Geography (University of Calgary) seminar series.

2019   "A Data Story in Two Parts: Smart Cities, Open Data, and Their Inequalities." **Invited presentation** at Data for Good - Calgary. June 27, 2019.

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   "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   "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   "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.

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.

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.

Conference Activity

Conferences Organized (4 total)

2023 (expected)	Organizer. Digital Geographic Movements and Methods. University of Calgary. Conference co-sponsored by the Digital Geographies Specialty Group of the AAG.
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.

Papers presented (36 total)

2023	"'Make our communities better through data': The moral economy of smart city labor". Annual meeting of the American Association of Geographers. Denver, CO. In session "Geographies of Digital Capitalism" organized by Desiree Fields, Luis Alvarez Leon, Hilary Faxon, Jeremy Crampton, and Jovanna Rosen.
2022	"Toward Intimate Data: Re-thinking digital, social, political relations". Association of Internet Researchers. Dublin, **Ireland**. Presented with Preston Welker and Anna Lauren Hoffman.
2022	"Speculations toward a machinic justice". Royal Geographic Society – Institute of British Geographers (RGS-IBG) annual conference. Virtual. Presentation with Gwendolyn Blue.
2022	"Broken Smart Futures: (Data) Extraction, Data Power, and Data Infrastructure Waste in the Smart City". 4th Data Power Conference. Presentation with Debra Mackinnon. Accepted, but withdrawn due to scheduling conflicts.
2022	"Broken Smart Futures: (Data) Extraction, Data Power, and Data Infrastructure Waste in the Smart City". Beyond Smart Cities Today: Power, Justice, and Resistance. Presentation with Debra Mackinnon. Accepted, but withdrawn due to scheduling conflicts.
2022	"Digital (Neo)Colonialism in the Smart City". Annual Meeting of the American Association of Geographers. Virtual presentation. Presentation with Morgan Mouton.

2021	"Digital (Neo)Colonialism in the Smart City". II Digital Geographies Conference. University of Lisbon, **Portugal**. Virtual presentation with Morgan Mouton.
2021	"Toward Intimate Data: Re-thinking digital, social, political relations". 4S 2021 (Society for Social Studies of Science). Toronto and virtual. Presented with Preston Welker and Anna Lauren Hoffman.
2021	"Digital (Neo)Colonialism in the Smart City". Digital Geographies Research Group conference (part of the Royal Geographic Society – Institute of British Geographers, **UK** conference). Virtual presentation with Morgan Mouton.
2021	"Wherefore art thou, critical GIS? Differently-skilling and Differently Critical GeoAI". Annual meeting of the American Association of Geographers: virtual conference. In session "Critical GeoAI" organized by Renee Sieber and Jeremy Crampton. Presentation with Jim Thatcher and Craig Dalton.
2020	"Moral Economies of Open Data Platforms". Association of Internet Researchers 2020. Virtual conference (**40% acceptance rate**), formerly Dublin, Ireland. Presentation with Preston Welker.
2020	"Moral Economies of Open Data Platforms". Society for the Social Studies of Science (4S) and EASST (European Association for the Study of Science & Technology) 2020. Virtual conference, formerly Prague, Czech Republic. Presentation with Preston Welker. In session "Organizing Technoscientific Capitalism: Assets, Rents, and Values" organized by Jane Bjørn Vedel, John Grant Gardner, and Kean Birch.
2020	"The Interstitial Smart City: Beyond Top-down and Bottom-up Smartness". Annual meeting of the American Association of Geographers: Denver, CO. Presented with Preston Welker. Conference cancelled.
2019	"(Digital) Neocolonialism in the Smart City". 4S 2019 (Society for Social Studies of Science). New Orleans. Presented with Morgan Mouton.
2019	"'Smart' Is Not a Thing: Epistemological Framings and Limits of Smart Cities". Annual meeting of the American Association of Geographers: Washington, DC.
2019	"Positionality, Interests, and Rationalities of the Smart City: Intersecting Roles of Smart City Actors". Annual meeting of the American Association of Geographers: Washington, DC. Presented as second author with Byron Miller.
2019	"Between Provincializing and Worlding: Theoretical and Epistemological Dilemmas of Comparative Smart City Research". Comparative Urbanism: Global Perspectives. Urban Studies Institute, Georgia State University.
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	"Smart Cities: Who Cares?" Annual meeting of the American Association of Geographers. New Orleans, LA. Presented with Max Andrucki.
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 American Association of Geographers: Boston, MA.
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 American Association of Geographers: San Francisco, CA.
2015	"'Let the private sector take care of this': Toward a Political Economy of Digital Humanitarianism". Annual meeting of the American Association of Geographers. Chicago, IL.
2014	"Rethinking Knowledge Politics through Digital Humanitarianism." Annual meeting of the American Association of Geographers. 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 American Association of Geographers. New York, NY.
2011	"Software-sorted Geographies of the Urban Global South." Annual meeting of the American Association of Geographers. Seattle WA.
2010	"'Exploring Geovisualization': Reflections, Ideas, and Questions." Annual meeting of the American Association of Geographers. 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 American Association of Geographers. Las Vegas, NV.
2008	"Landscapes of Participatory Dialogue: Participation and Geovisualization in AgoraXchange." Annual Meeting of the American Association of Geographers. Boston, MA.
2008	Verutes, G., R. Burns "Visualizing Linguistic Variation within University Classroom Discourse." Annual Meeting of the American Association of Geographers. 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 (14 total)

2023	Panelist. "Regional futures: The politics of digitalisation-as-urbanisation in the global south". Annual meeting of the American Association of Geographers. Denver, CO. Organized by Ayona Datta. **Personal invitation**.
2021	Panelist. "Digital Geographies Futures". II Digital Geographies Conference. University of Lisbon, **Portugal**. By **personal invitation**.
2021	Panelist. "Toward Global Justice in Digital Geography". Annual meeting of the American Association of Geographers. Virtual conference. Organized by Luis F. Alvarez Leon (Dartmouth University) and Hilary Faxon (University of California, Berkeley).
2020	Panelist. "New Voices in Digital Geographies". **Invited panelist** role. Annual meeting of the American Association of Geographers. Denver, CO. Organized by Sam Kinsley (University of Exeter) and Jessica McLean (Macquarie University). Conference cancelled.
2019	Panelist. "Adaptive Data". Connections Conference, organized by Calgary Chamber of Voluntary Organizations. **Invited panelist** role. https://www.calgarycvo.org/connections-speakers.
2019	Panelist. "Realizing the value of interdisciplinary research: How can critical theory be 'applied' to smart cities?" Annual Meeting of the American Association of Geographers. 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 Iliadis, Jim Thatcher.

2018	Panelist and organizer. "My City Is Smarter than Yours: Deconstructing the Buzzwords". Annual Meeting of the American Association of Geographers. New Orleans, LA. Organizer with Victoria Fast. (2 sessions).
2018	Panelist. "The Role of Research Communication Outside of Academia". 55th Annual Geography Department Conference, University of Calgary: Calgary, AB.
2017	Panelist. "Documenting Evidence for Human Rights Tribunals and Litigation Using Geographic Research and Tools." Annual Meeting of the American Association of Geographers. Boston, MA.
2017	Panelist. "GIS Worker Co-ops: Prospects and Experiments". Annual Meeting of the American Association of Geographers. Boston, MA.
2017	Panelist. "UBC Urban Studies Lab Panel 3 (Algorithms & Society): Interdisciplinary Theoretical Urban Inquiry." Annual Meeting of the American Association of Geographers. Boston, MA.
2014	Panelist. "Publishing, not Perishing: A Student's Guide to Academic Publishing." Annual meeting of the American Association of Geographers. Tampa, FL.
2014	Panelist. "alt.conference on Big Data: Lightning Panel." Annual meeting of the American Association of Geographers. Tampa, FL. Organized by Josef Eckert, Andrew Shears, Jim Thatcher.

Conference Sessions Organized (23 total)

2023	"Digitalizing Extractive Economies: New Practices, New Questions?" Annual meeting of the American Association of Geographers. Denver, CO. Organized with Eliot Tretter.
2023	"Digital (In)justice in the Smart City". Annual meeting of the American Association of Geographers. Denver, CO. Organized with Debra Mackinnon and Victoria Fast.
2023	"Author meets critics: Camilla Hawthorne's *Contesting Race and Citizenship: Youth Politics in the Black Mediterranean*". Annual meeting of the American Association of Geographers. Denver, CO. Organized with LaToya Eaves.
2021	Organizer. "(Im)material streams in the city: ecologies, economies, electrons". Open Panel, 4S 2021 (Society for Social Studies of Science). Toronto and virtual. Organizer with Morgan Mouton. **Competitive application** process.
2021	Organizer. "Re-spatializing Digital Labor". Annual meeting of the American Association of Geographers. Virtual conference. 3 sessions, organized with Luke Bergmann (University of British Columbia).

2019	Organizer. "Who knows? Smart cities as epistemology". Closed Panel, 4S 2019 (Society for Social Studies of Science). New Orleans. Organizer with Morgan Mouton. **Competitive application** process.
2019	Organizer. "Critical New Media and the Urban: Productive Tensions, or Conflicted Antagonisms?". Annual Meeting of the American Association of Geographers. Washington, DC. Organized with Eliot Tretter.
2019	Organizer. "Gendering the Smart City: Towards Just and Feminist Urban Futures". Annual Meeting of the American Association of Geographers. Washington, DC. 2 sessions, organized with Ayona Datta, Nabeela Ahmed, and Max Andrucki.
2018	Organizer and panelist. "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 Iliadis, Jim Thatcher.
2018	Organizer and panelist. "My City Is Smarter than Yours: Deconstructing the Buzzwords". Annual Meeting of the American Association of Geographers. New Orleans, LA. Organizer with Victoria Fast. (2 sessions)
2018	Organizer. "Making Smarter Environments: The Environmental Politics and Practices of Smart Cities". Annual Meeting of the American Association of Geographers. New Orleans, LA. Organizer with Anthony Levenda. (2 sessions)
2017	Organizer. "Urban-economic Perspectives on Technology". Annual Meeting of the American Association of Geographers. Boston, MA. Organizer with Daniel Cockayne.
2016	Organizer. "Hipster Geographies: Socio-spatial Practices, Politics, and Economies of Culture's Most Maligned Figure". Annual Meeting of the American Association of Geographers. San Francisco, CA. Organizer with Cristina Temenos and Jesse McClelland. (2 sessions)
2016	Organizer. "Toward a Geographical Software Studies". Annual meeting of the American Association of Geographers. 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 American Association of Geographers. Chicago, IL. Organizer with Jim Thatcher and Craig Dalton. (2 sessions)
2015	Organizer. "Critical Data, Critical Technology: in Praxis." Annual meeting of the American Association of Geographers. Chicago, IL. Organizer with Jim Thatcher and Craig Dalton.

2015	Organizer. "On the Political Economy of Geospatial Technologies." Annual meeting of the American Association of Geographers. Chicago, IL. Organizer with Jim Thatcher and Craig Dalton.
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 American Association of Geographers. 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 American Association of Geographers. Los Angeles, CA. Presenting panelists: Brent Hecht, Monica Stephens, Michele Masucci, Adrianne 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: https://www.wilsoncenter.org/publication/connecting-grassroots-to-government-for-disaster-management-workshop-summary
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, University of Washington, 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 American Association of Geographers. 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 (6 total)

2022	"Collaborative platforms of critical action: Which design?" Discussant for keynote by Michel Bauwens (P2P Foundation).
2021	"What to do with Artificial Intelligence? Methods, Epistemology, and Emerging Technologies." Annual meeting of the American Association of Geographers: virtual conference. Organized by Margath Walker and Jamie Winders.

2020	"'Provincialising' smart urban futures in the Global South." Annual meeting of the American Association of Geographers. Denver, CO. Organized by Ola Söderström, Ayona Datta, Nancy Odendaal, Diganta Das, Evan Blake. Conference cancelled.
2014	"Disaster Time: Critical Perspectives on Crisis Informatics and the Temporal Aspects of Disasters." Annual meeting of the American Association of Geographers. 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 American Association of Geographers. Los Angeles, CA. Presenting panelists: Brent Hecht, Monica Stephens, Michele Masucci, Adrianne Wadewitz (Center of Digital Learning and Research, Occidental College).
2013	"Crowdsourcing Crisis in the GeoWeb: A Critical Look." Annual meeting of the American Association of Geographers. 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).

Teaching

University of Calgary as Instructor of Record

2023	Urban Political Economy in Buenos Aires: A Feminist and Post/De-Colonial Analysis (study abroad) (**course designer**)
2022	Society and Environmental Change (**course re-designer**)
2022	Urban Political Economies of the Southern Cone: A Feminist and Decolonial Analysis of Buenos Aires (study abroad) (**course designer**, cancelled due to Covid)
2017, 2022	Geographic Field Study Methods (2 sections)
2021	Artificial Intelligence for Public Health (study abroad → virtual exchange) (**course designer**)
2021, 2022	Thinking Spatially in a Digital World (2 sections)
2020	Web Mapping and Internet GIS
2020	Spaces of Urban Politics
2019-2022	Urban Studies Capstone (4 sections)
2019	Arts and Sciences Honours Academy – "Representation" (**course re-designer**)

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

Temple University as Instructor of Record

2016	Web and Mobile GIS (2 sections) (**course designer**)
2015-2016	Digital Mapping from Mercator to Mashup (2 sections)
2015-2016	Fundamentals of GIS (3 sections)

University of Washington as Instructor of Record

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

Invited Lectures

2022	Guest lecture in Diversity in Cities (University of Antwerp)
2022	Guest lecture in Advanced MA Seminar Cities and Environment (University of Antwerp)
2021	Guest lecture in International Development (McGill University)
2021	Guest lecture in ENVS 481: Advanced GIS (Loyola University Chicago)
2019	Guest lecture in GEOG 280: Introduction to Geospatial Methods (UofC)
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

Professional Development in Teaching and Mentorship

2020-present	Certificate in University Teaching and Learning, conferred by Taylor Institute for Teaching and Learning, University of Calgary. Deferred due to Covid; to resume in 2023.
2020	Attendee, Esri Education Summit. Virtual.
2020	Mentee, Society for Social Studies of Science (4S) Annual Meeting
2016-2017	Participant in the Teaching Academy, mentored by Jo Towers (Werklund School of Education), University of Calgary

Teaching and mentorship courses completed

(1) Inquiry-Based Learning, (2) Course Trailer Workshop, (3) Creating an Effective Course Outline, (4) Course Design Program, (5) Creating Your Teaching Philosophy, (6) The Cure for Death by PowerPoint, (7) Preparing a National Teaching Fellowship Nomination, (8) Teaching with ArcGIS Notebooks (hosted by Esri)

Advising

Post-doctoral mentorship

2019-2021	Debra Mackinnon, PhD, Department of Geography, University of Calgary
	• Co-supervised with Victoria Fast, funded through UofC's Eyes High postdoctoral fellowship
	• Awarded the Banting Post-doctoral Fellowship.

• Offered the SSHRC Postdoctoral Fellowship (declined to take tenure-track job).

• Has accepted an Assistant Professor position at Lakehead University, to begin 1/3/2022.

2017-2019   Morgan Mouton, PhD, Department of Community Health Sciences, University of Calgary

• Post-Doctoral Fellowship in Human-Animal Studies, Co-supervised with 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.

• Currently post-doctoral scholar at Lab'Urba, Université Paris-Est Créteil.

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.

• Currently Director of the Center for Climate Action and Sustainability and faculty member at The Evergreen State College

Graduate supervision as primary supervisor

2021-present   Adewale Ilesanmi, Master in GIS, University of Calgary. Supervisor.

2018-present   Joyce Percel, PhD student, Geography, University of Calgary. Co-supervior.

• Awarded the SSHRC CGS-D ($20,000)

• Awarded the Urban Geography Specialty Group travel scholarship ($750) and Digital Geography Specialty Group (both of the American Association of Geographers) student award ($750 and $200 USD, respectively)

• Awarded the Geography Graduate Student Association Anti-Racism and DEI Student Project Award for her anti-racism and de-colonization reading group

• Awarded the Alberta Graduate Excellence Scholarship ($15,000) and $29,200 in misc. travel grants and scholarships

2017-2023   Angela Ambrose, PhD student, Geography, University of Calgary. Supervisor

• Completed MA under my supervision 9/16/2021

• Awarded the SSHRC CGS-M ($18,000) and SSHRC Michael Smith Foreign Study Supplement ($6,000)

• Awarded the Queen Elizabeth II Scholarship ($10,800) and $1,500 in multiple internal travel grants

2022   Nabila Chaudhry, Master in GIS, University of Calgary. Supervisor. **Graduated**.

2019-2021	Preston Welker, Master of Arts, Geography, University of Calgary. Supervisor. **Graduated**.
	• Winner of the AAG's Landscape Specialty Group Photography Competition for his photo "The Unruly 'Natural Landscape': Graffiti Pier".
	• Awarded the Alberta Graduate Excellence Scholarship twice ($11,000, total $22,000)
	• Awarded the O'Brien Institute Directors' Graduate Scholarship ($3,000, declined)
2017-2020	Dare Adeyemi, Master of Arts, Geography, University of Calgary. Supervisor. **Graduated.**
	• Awarded the Queen Elizabeth II Scholarship ($10,800)
	• Awarded $955 in multiple travel grants
2017-2019	Prakash Gautam, Master in GIS, University of Calgary. Supervisor. **Graduated.**

Other graduate supervision

2018-2020	Kristy Myles, Master of Arts, Geography, University of Calgary. Committee member.
2019-2020	Alexis Montoya, PhD student, Geography and Urban Studies, Temple University. Committee member.
2019	Kiran Zahra, PhD candidate, Geography, University of Zurich
	• Supervised for a short visiting scholar position, during which we planned a co-authored article.
2017-2019	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

2021-2022	Laura Somers, undergraduate honors thesis project (International Relations).
2020	Spencer Neufeld, undergraduate honors thesis project (Geography).
2019-2021	Catherine Tran, University of Calgary Scholars Academy Mentorship program (twice).
2018-2019	Duncan Lucas, University of Calgary Scholars Academy Mentorship program.
2018-2019	Brian Lau, undergraduate Health & Society honors capstone project

	• Co-supervised with Morgan Mouton
2017-2018	Grace Wark, undergraduate honors thesis project (Environmental Studies).
	• 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

2022	Malcolm Campbell, Master of Research, **Macquarie University**, Australia. External examiner (final thesis and oral exam).
2022	Roshanne Sihota, MA, University of Calgary. Internal examiner (proposal).
2022	Russell Copley, MS, University of Calgary. Internal examiner (final oral exam).
2021	Mohammed Al-Hinaai, MGIS, University of Calgary. Internal examiner (final oral exam).
2021	Shubhreet Gill, MGIS, University of Calgary. Internal examiner (final oral exam).
2020	Russell Copley, MS, University of Calgary. Internal examiner (proposal defense).
2019	Jiaao Guo, MGIS, University of Calgary. Internal examiner (final oral exam).
2018	Wayne Tobbitt, MGIS, University of Calgary. Internal examiner (final oral exam).
2018	Yawei Zhao, PhD, University of Calgary. Internal-external examiner (proposal defense).
2017	Francisco Uribe, PhD, University of Calgary. External examiner (proposal defense).

Community and Public Scholarship

2022	"Brown bag lunch" with graduate students at University of British Columbia Department of Geography. Informal mentorship session I helped organize.
2021	Southern Alberta Institute of Technology, Interview for course RSCH 203-A, "News Research for Journalists" (4/13/2021).
2019-2020	Co-chair, Alberta Non-profit Data Strategy – Data Hubs Task Group. (stewardship of PolicyWise, Edmonton, AB).
2020	Drafted anti-racism statements for UC Cities and the Department of Geography. The latter statement has been incorporated into all course outline templates in the department.
2019	Organizer. "Working with Open Data". Cyber Summit. Kananaskis Country, AB. Co-organized by **personal invitation** with David Chan and Byron Chu of Cybera.

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.
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.
2012-2013	Participation in various digital humanitarian activations (Samoa, Dominican Republic, Typhoon Bopha)
2010	Volunteered in "Participatory Mapping" Imagining America conference site visit

Media and Community Coverage and Interviews

2021	*CityNews Calgary* interview on higher education impacts of recent provincial decision to relax Covid-19 public health measures (7/29/2021).
2021	*Undark* (MIT magazine) interview on GIS modeling and mapping (2/5/2021).
2020	*MaRS Magazine* interview on smart cities (3/18/2020).
2019	*Calgary Star Metro* interview on open data (3/7/2019).
2019	*CBC Calgary* interview on open restaurant inspection data platforms (1/30/2019).
2019	Coverage of research in *UToday* (U of Calgary campus newsletter). "Citizens Can Use Data to Improve Their Cities". https://bit.ly/2tPRjh6.
2019	St. Paul's School invited interview for high school podcast (4/26/2019).
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.

2013	Interview for the Digital Humanitarian Network, "Guidance for Collaborating with Formal Humanitarian Organizations." http://app.box.com/s/w25sqotkg4qc2f2ch1ii.
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 News. http://bit.ly/IgG6bl.
2007	Coverage of volunteer mapping work for San Diego wildfires in "AAG Newsletter" 42(11): 1, 6. http://www.aag.org/galleries/newsletter-files/2007_Dec.pdf.
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.

Professional Service

Service to the profession

2021-present	Secretary and Treasurer, Digital Geographies Specialty Group of the American Association of Geographers
2017-present	Program Committee for conference Spatial Knowledge and Information – Canada 2017, 2019, and 2023
2022	Mentor, Surveillance Studies Network, **personal invitation**
2021	Awards Committee, Socialist & Critical Geography Specialty Group of the American Association of Geographers
2020	Mentor, Society for Social Studies of Science (4S) Annual Meeting
2018-2019	Communications committee chair, Socialist & Critical Geography Specialty Group of the American Association of Geographers
2013-2014	Secretary and Treasurer, Geographic Information Systems & Science Specialty Group of the American Association of Geographers
2012-2013	Student Representative, Geographic Information Systems & Science Specialty Group of the American Association of Geographers
2012-2013	Leadership Collective Member, Socialist & Critical Geography Specialty Group of the American Association of Geographers

2008-2012	Webmaster, Socialist & Critical Geography Specialty Group of the American Association of Geographers

Service to the university, faculty, and department

2022-present	Representative, Equity, Diversity & Inclusion Committee, Faculty of Arts, University of Calgary, **elected**
2022-present	Graduate Program Committee, Department of Geography, University of Calgary
2019-present	Board member, UC Cities: Global Comparative Urban Research. http://uccities.ca.
2017-present	Mentor, Scholars Academy, University of Calgary
2022	Hiring committee, Department of Psychology (Canada Research Chair), University of Calgary
2021-2023	College of Reviewers, Faculty of Arts, University of Calgary
2019-2021	Research and Scholarship Committee, Faculty of Arts, University of Calgary, **elected**
2017-2020	Master's in GIS (MGIS) Renewal Committee, University of Calgary
2021	Hiring committee, Department of Geography (2-year Limited Term Appointment), University of Calgary
2020	Faculty of Arts working group related to UofC's "Growth through Focus" plan, University of Calgary
2018-2020	Program Advisory Board, Arts & Sciences Honours Academy, University of Calgary
2017-2018	College of Reviewers applicant – reviewer (twice), University of Calgary
2018	Hiring committee, Faculty of Environmental Design, University of Calgary
2015-2016	Professional Science Master's in GIS Steering Committee, Temple University
2011-2012	Primary Project Liaison, "Making the University Public" Graduate Interest Group, University of Washington
2011-2012	Graduate Policy Committee Representative, Department of Geography, University of Washington
2010-2011	Co-president (with Chris Lizotte) of the Geography Dept Graduate Student Association, University of Washington

Peer Reviews

Articles

ACME: An International E-Journal for Critical Geographies (x3: 2016, 2017, 2018)

Antipode (2022)

Big Data & Society (x2: 2017, 2022)

Canadian Geographer (2017)

Cartographica (2013)

Computational Culture (2018)

Digital Geography & Society (x7: 2020, 2021, 2021, 2021, 2022, 2022, 2022)

Engaging Science, Technology & Society (2020)

Frontiers in Big Data (x4: 2021, 2022, 2022, 2022)

Geoforum (x5: 2014, 2016, 2019, 2021, 2021)

GeoJournal (x3: 2016, 2016, 2017)

Geography Compass (x3: 2013, 2014, 2015)

(Geo)Spatial Technologies for Urban Health (book chapter) (2018)

International Journal of Applied Geospatial Research (2010)

International Journal of Disaster Risk Reduction (2017)

International Political Sociology (2019)

Journal of Urban Technology (2018)

New Media & Society (x3: 2016, 2016, 2022)

Philosophical Transactions (2016)

Plenum: A Journal of Geography (x2: 2012, 2013)

Pluto Press (Book reader's report) (2018)

Professional Geographer (x2: 2018, 2018)

Qualitative Research (x3: 2020, 2022, 2022)

Spatial Knowledge and Information (proceedings reviewer x3 in 2016, x3 in 2018, x3 in 2022)

Transactions on Emerging Topics in Computing (x3: 2017, 2018, 2018)

Urban Planning (2020)

Urban Studies (2023)

US National Report to the International Cartographic Association (2010)

Book-length manuscripts

> *The New Politics of Visibility*, Intellect Books (2021)
>
> UCGIS *Body of Knowledge* (x2: 2020, 2020)
>
> *Understanding Data, Culture, and Society* (2022)

Grants

> Leverhulme Trust (Research Project Grant Full) (2020)
>
> Mitacs Accelerate Research Proposal (x2: 2018, 2022)
>
> National Science Center (Poland) Preludium 21 (2022)
>
> National Science Foundation (NSF) Standard Grant Application (x2: 2017, 2017)
>
> SSHRC Insight Grant, national Geography and Urban Planning adjudication committee (2022: 17 total applications reviewed)
>
> SSHRC Insight Grant (Internal review for O'Brien Institute for Public Health, University of Calgary) (2021)
>
> SSHRC New Frontiers in Research Fund (x2: 2020, 2020)
>
> York University Research Chairs Program (2022)

Program review

> Burman University, Certificate in Humanitarian Studies, certificate program proposal review (2021)

Professional Affiliations

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

Member, American Association of Geographers (AAG)

Member, Association of Internet Researchers

Member, European Association for the Study of Science & Technology (EASST)

Member, Society for Social Studies of Science (4S)

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

Member, International Association of Emergency Managers

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

Additional Research Activities

2018	Founder and director, YYC Data Collective. http://yycdatacollective.ucalgary.ca
2014	Research Assistant: Dr. Matt Dunbar, Center for Studies of Demography and Ecology
2012-2013	Research Assistant: Lea Shanley, Commons Lab, Woodrow Wilson International Center for Scholars
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)
2006	GIS Intern: City of Berea, Kentucky

Signed and dated:

Ryan Burns, PhD

March 5, 2023