

## David Swanlund

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### Education

Simon Fraser University, Burnaby BC 2018 to Present  
Doctor of Philosophy in Geography  
CGPA: N/A

Simon Fraser University, Burnaby BC 2016 to 2017  
Master of Arts in Geography  
Thesis Title: Geosurveillance, Biometrics, and Resistance  
CGPA: 4.11

Simon Fraser University, Burnaby BC 2011 to 2016  
Bachelor of Arts in Geography with an Environmental Specialty, Honours with Distinction,  
Minor in Political Science  
CGPA: 3.83

Simon Fraser University, Burnaby BC 2011 to 2016  
Certificate in Spatial Information Systems

### Publications

[9] Schuurman, N., Walker, B.B., **Swanlund, D.**, Amram, O., Yanchar, N. (Submitted, MS #ijerph-738880). Qualitative field observation of pedestrian injury hotspots: A mixed-methods approach for developing built- and socioeconomic-environmental risk signatures. *International Journal of Environmental Research and Public Health*.

[8] Brussoni, M., Lin, Y., Han, C., Janssen, I., Schuurman, N., Boyes, R., **Swanlund, D.**, Masse, L. (Submitted). A qualitative investigation of unsupervised outdoor activities for 10- to 13-year-old children in Metro Vancouver, Canada: "I like adventuring but I don't like adventuring without being careful." *Journal of Environmental Psychology*.

[7] **Swanlund, D.**, Schuurman, N., Zandbergen, P., Brussoni, M. (Submitted, MS #IJHG-D-20-00003). Street Masking: A Network-Based Geographic Mask For Easily Protecting Geoprivacy. *International Journal of Health Geographics*.

[6] Michener, S., Bell, L., Schuurman, N., **Swanlund, D.** (Accepted, MS JOFS-19-614.R2). A Method to Interpolate Osteon Volume Designed for Histological Age Estimation Research. *Journal of Forensic Sciences*.

- [5] **Swanlund, D.**, Schuurman, N., & Brussoni, M. (2019). MaskMy.XYZ: An Easy-To-Use Tool for Protecting Geoprivacy Using Geographic Masks. *Transactions in GIS*.  
<https://doi.org/10.1111/tgis.12606>
- [4] **Swanlund, D.**, Schuurman, N. (2019). Resisting Geosurveillance: A Survey of Tactics and Strategies for Spatial Privacy. *Progress in Human Geography*, 43(4), 596-610.  
<https://doi.org/10.1177/0309132518772661>
- [3] **Swanlund, D.**, Schuurman, N. (2018). Second Generation Biometrics and The Future of Geosurveillance: A Minority Report On FAST. *ACME: An International Journal For Critical Geographies*, 17(4), 920-938.  
<https://www.acme-journal.org/index.php/acme/article/view/1622>
- [2] **Swanlund, D.**, Maraj, R., Schuurman, N., Hope, R., Donkers, K., Aquin, M., & Rickerby, G. (2016). GPS Performance in Yukon's Arctic Coast. *Geografiska Annaler: Series A, Physical Geography*, 98(4), 361–368. <https://doi.org/10.1111/geoa.12143>
- [1] **Swanlund, D.**, & Schuurman, N. (2016). Mechanism Matters: Data Production for Geosurveillance. *Annals of the American Association of Geographers*, 106(5), 1–16.  
<https://doi.org/10.1080/24694452.2016.1188680>

## Refereed Conference Abstracts

- [3] Michener, S., Bell L.S., **Swanlund, D.**, Schuurman, N. (2019). Utilizing Osteon Volume for Histological Age-at-Death Estimation. *American Academy of Forensic Sciences 71st Annual Scientific Meeting, Baltimore*.
- [2] Michener, S., Bell, L.S., **Swanlund, D.**, Schuurman, N. (2018). A GIS-Based Analytical Approach to Bone Histology for Age Estimation Purposes. *American Association of Physical Anthropologists 87<sup>th</sup> Annual Meeting, Austin*.
- [1] Michener, S., Bell, L.S., **Swanlund, D.**, Schuurman, N. (2018). Volumetric Histological Age Estimation Utilizing a GIS-Based Analytical Approach. *American Academy of Forensic Sciences 70th Annual Scientific Meeting, Seattle*.

## Conference Presentations

- [6] Protecting Privacy in Maps Using Geographic Masks. *North American Cartographic Information Society 2019. Tacoma, United States: October 17-18, 2019*.
- [5] Protecting Spatial Privacy in Academic Research. *Canadian Association of Geographers. Winnipeg, Canada: 27-31 May, 2019*.
- [4] Protecting Privacy in Academic Research Using Geographic Masks. *Spatial Knowledge and Information. Banff, Canada: 21-24 February, 2019*.
- [3] Second Generation Biometrics and the Future of Geosurveillance: A Minority Report on FAST. *International Geographical Union. Quebec City, Canada: 6-10 August, 2018*.

[2] Geoprivacy Reconsidered. Panel Member. *Association of American Geographers Conference. San Francisco, USA: 29 March-2 April, 2016.* (Panelists: **Swanlund, D.**, Goodchild, M., Martin, M., Leszczynski, A., Wilson, M., Crampton, J., Zook, J., Georgiadou, Y.)

[1] Privacy Post-Snowden: A Scoping Review. *Canadian Association of Geographers Conference. Vancouver, Canada: 1-5 June, 2015.*

## Invited Talks

[2] Why your location privacy matters. Vancouver Public Library. *Vancouver, Canada: January 28th, 2020.*

[1] A Prognosis on Privacy: Are we Equipped for Emerging Challenges? University of Auckland, School of Environment. *Auckland, New Zealand: July 25th, 2019.*

## Campus Talks

[4] Protecting Privacy in Academic Research. *SFU Faculty of Environment Graduate Research Day. Burnaby, Canada: 19 April, 2018.*

[3] Mechanism Matters: Data Production for Geosurveillance. *SFU Faculty of Environment Undergraduate Symposium. Burnaby, Canada: 12 April, 2016.*

[2] SFU Open Media: Privacy Workshop. *Burnaby, Canada: 26 February, 2015.*

[1] Geovisualizing Surveillance: A 3D Interactive Environment for Isovist Reification. *SFU Faculty of Environment Undergraduate Symposium. Burnaby, Canada: 10 April, 2014.*

## Awards & Honours

[23] Invited Visiting Scholar, University of Auckland	Summer 2019
[22] Simon Fraser University Graduate Fellowship (\$6,500)	Fall 2019
[21] Simon Fraser University Travel and Minor Research Award (\$900)	Summer 2019
[20] SSHRC Joseph-Armand Bombardier CGS-D Scholarship (\$105,000)	Summer 2019
[19] Best Presentation (2nd), Spatial Knowledge & Information (\$300)	Spring 2019
[18] Simon Fraser University Graduate Fellowship (\$6,500)	Spring 2019
[17] Simon Fraser University Travel and Minor Research Award (\$1150)	Summer 2018
[16] Dean of Graduate Studies Convocation Medal	Spring 2018
[15] Best Presentation Winner, Faculty Graduate Research Day (\$250)	Spring 2018
[14] Simon Fraser University Graduate Fellowship (\$6,500)	Fall 2017
[13] Simon Fraser University Graduate Entrance Scholarship (\$6,600)	Fall 2016
[12] SSHRC Joseph Armand Bombardier CGS-M Award (\$17,500)	Fall 2016

[11] Undergraduate Student Research Award (\$2,926)	Summer 2016
[10] Simon Fraser University Open Scholarship (\$720)	Spring 2016
[9] President's & Dean's Honour Roll	Fall 2015
[8] Warren Gill Memorial Award (\$4,300)	Fall 2015
[7] Simon Fraser University Open Scholarship (\$1,500)	Fall 2015
[6] Simon Fraser University Open Scholarship (\$440)	Summer 2015
[5] ESRI Canada Scholarship (\$500)	Spring 2015
[4] Simon Fraser University Open Scholarship (\$1,760)	Spring 2015
[3] President's & Dean's Honour Roll	Spring 2015
[2] Simon Fraser University Open Scholarship (\$1,210)	Fall 2014
[1] Dean's Honour Roll	Spring 2014

### Peer Review

Telematics and Informatics (1)	2020
Cartography and Geographic Information Science (1)	2019
Regional Studies (1)	2019
The Canadian Geographer (1)	2019
International Journal of Environmental Research & Public Health (1)	2019
Annals of the Association of American Geographers (1)	2018
Big Data & Society (1)	2018

### Volunteer & Service

Technical Chair, CAG GISci Map-Mentorship Organizing Committee	Nov 2019 to Present
Graduate Representative, Remote Sensing Hiring Committee	Jun 2019 to Dec 2019
Judge, Faculty of Environment 3 Minute Thesis Competition	Mar 13, 2018
Chair, Faculty Graduate Research Day Organizing Committee	Oct 2017 to Apr 2018
Faculty Graduate Studies Committee	Sept 2017 to Aug 2018
Treasurer, Geography Graduate Association	Sept 2016 to Aug 2018
TSSU Representative, Geography Graduate Association	Sept 2016 to Aug 2017
SFU Open Media	Sep 2014 to Aug 2015
SFU Seven Minute Major	Oct 27, 2015

### Academic Work Experience

Research Assistant to Dr. Schuurman, Simon Fraser University	Dec 2014 to Present
GIS Peer Facilitator, Simon Fraser University Library	Sept 2018 to December 2019

## Teaching Experience

Sessional Instructor, GEOG 455, Theoretical and Applied GIS	Spring 2020
Teaching Assistant, GEOG 455, Theoretical and Applied GIS	Spring 2018
Teaching Assistant, GEOG 455, Theoretical and Applied GIS	Spring 2017

## Media Engagements

Maout, T. (2020). Le pouvoir de la confidentialité. *La Source*.  
<http://thelastsource.com/fr/2020/01/20/le-pouvoir-de-la-confidentialite/>

## Professional Memberships

Canadian Association of Geographers	2015, 2017 to Present
North American Cartographic Information Society	2019
Association of American Geographers	2016

## Technical Skills

ArcGIS 10/Pro, QGIS, Linux, Python, Javascript, PostGIS, PostgreSQL, HTML5, CSS3, Git