

LUKE ROBERT BERGMANN

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PROFESSIONAL POSITIONS

- Present – 2012 *University of Washington*
Assistant Professor of Geography.
- Present – 2012 *University of Washington*
eScience Institute, Affiliate.
- Present – 2012 *University of Washington*
Jackson School of International Studies, China Studies Program, Full Member.
- Present – 2014 *University of Washington*
Center for Studies in Demography and Ecology, Faculty Affiliate.
- 2012 – 2011 *University of Washington*
Acting Assistant Professor of Geography.

EDUCATION

- 2012 – 2006 *University of Minnesota – Twin Cities*
Ph.D. in Geography.
Regents Professor Eric S. Sheppard, Advisor.
Dissertation Title:
Capital, Carbon, Context, and Concepts: Geographies under Globalization
- 2006 – 2003 *University of Minnesota – Twin Cities*
M.A. in Geography.
Professor Eric S. Sheppard, Advisor.
Master's Paper Titles:
- "Spatiality and the Search for Chinese Modernity"
- "Simulating the Capitalist Space Economy:
Statistical Dynamic Equilibrium in a Regional Agent-Based Model"
- "Theory by Modeling and Simulation:
Moving Beyond Metaphorical Complexity"
- 2004 *Xi'an International Studies University, Xi'an, Shaanxi Province, China*
Intensive summer studies in Chinese.
- 2003 *Beijing Language and Culture University, Beijing, China*
Intensive semester of study in Chinese.
- 2002 – 1998 *Duke University, Durham, North Carolina*
B.S. in Physics, Minor in English.
Ranked 6th of 1298 in graduating class.
Phi Beta Kappa.
- 2000 *University of Oxford, New College, Oxford, United Kingdom*
Summer study in English Literature as Lord Rothmere Scholar.

GRANTS AND AWARDS

- 2015 University of Washington, Simpson Center for the Humanities, Summer Digital Humanities Commons Research Fellowship, “Toward Speculative Cartographies.” [\$18,898]
- 2015 – 2014 University of Washington, Simpson Center for the Humanities, Research Fellow and Member of the Society of Scholars.** Project entitled: “Speculative Cartographies: GIS after encounters with the environmental humanities.” [Two quarters of teaching releases and \$25,150]
- 2014 – 2013 Fred Hutchinson Cancer Research Center (FHCRC), Basic Sciences Division, Brent Lab, funding for co-organizing FHCRC and Simpson Center “Biological Futures in a Globalized World Initiative.” [\$7,000]
- 2013 University of Washington, The 2013 Summer Institute in the Arts & Humanities. Selected to co-facilitate (with M. Sparke, C. Lowe, and M.E. García) summer-long intensive research seminar. Admissions were competitive and provided funding. Title: “Outbreak! Reimagining Death and Life, Disease and Health.”
- 2012 University of Washington, Initiative on Biological Futures in a Globalized World, Research Consortium Fellow. [\$10,000]
- 2011 – 2010 University of Minnesota Graduate School Dissertation Fellowship.**
- 2011 – 2010 University of Minnesota Consortium on Law and Values in Health, Environment & the Life Sciences, funded proposal: “Competing Values in Carbon Accounting.”
- 2011 – 2010 University of Minnesota Graduate School Interdisciplinary Doctoral Fellowship.** [Declined, in order to accept University of Minnesota Graduate School Dissertation Fellowship.]
- 2009 – 2004 United States National Science Foundation, Graduate Research Fellowship.**
- 2007 Association of American Geographers, Economic Geography Specialty Group, Travel Award.
- 2007 University of Minnesota, China Center, Red Pockets Scholarship.
- 2007 University of Minnesota, China Center, Hsiao Scholarship.
- 2006 University of Minnesota, Department of Geography, Summer Research Fellowship.
- 2005 – 2004 United States Department of Education, Foreign Language Area Studies (FLAS) Fellowship in Mandarin Chinese.** Full year.
- 2004 University of Minnesota, Office of International Programs, Judd Fellowship. [Declined monetary support, because superseded by FLAS, above.]

GRANTS AND AWARDS (CONTINUED)

- 2004 – 2003 **University of Minnesota Graduate School Fellowship.**
- 2002 – 1998 **Duke University, Angier B. Duke Scholar.**
Four-Year Full-Tuition Merit Scholarship. One of fifteen selected.
- 2002 – 2001 **Barry M. Goldwater Scholarship**, recipient of funding and national recognition for
‘outstanding potential’ in science.
- 2001 United States National Science Foundation, REU at the Santa Fe Institute.
Research into Complex Spatial Coevolutionary Dynamics.

PEER-REVIEWED MONOGRAPHS

Wallace, R., L.F. Chaves, **L. Bergmann**, C. Ayres, L. Hogerwerf, R. Kock, and R.G. Wallace. (In Press).
Clear-Cutting Disease Control: Capital-led deforestation, public health austerity, and vector-borne infection.
Springer.

JOURNAL SPECIAL ISSUES EDITED

International Journal of Geographical Information Science. Special issue on emerging theories in Critical
Cartography and GIS, edited with R. Sieber, R. Burns, B. Ricker, and J. Thatcher. Following
our workshop alongside NACIS 2017 (see below). Proposal in preparation.

The Canadian Geographer / Le Géographe Canadien. Special issue on “Speculative and
Constructively Critical GIS”, edited with J. Thatcher and D. O’Sullivan. Scheduled for
publication in Volume 62, Issue 1, in early 2018.

PEER-REVIEWED JOURNAL ARTICLES

Bergmann, L. and D. O’Sullivan (In press). “Reimagining GIScience for relational spaces.” *The
Canadian Geographer / Le Géographe Canadien*. Part of a special issue on “Speculative and
Constructively Critical GIS.” <http://dx.doi.org/10.1111/cag.12405>

O’Sullivan, D., **L. Bergmann**, and J. Thatcher (2018). “Spatiality, maps, and mathematics in critical
human geography: toward a repetition with difference.” *The Professional Geographer*. 70(1):
129-139. Part of a focus section: “Critical Data, Critical Technology.”
<https://dx.doi.org/10.1080/00330124.2017.1326081>

Bergmann, L. and R. Morrill (2018). “William Bunge: Radical Geographer (1928-2013).” *Annals of
the American Association of Geographers*. 108(1): 291-300.
<http://dx.doi.org/10.1080/24694452.2017.1366153>

PEER-REVIEWED JOURNAL ARTICLES (CONTINUED)

- Bergmann, L.** (2017). "Towards economic geographies beyond the Nature-Society divide." *Geoforum*. 85: 324-335. Part of the special issue: "Towards a political-industrial ecology." <http://dx.doi.org/10.1016/j.geoforum.2016.12.002>
- Bergmann, L.** (2016). "Toward speculative data: 'Geographic information' for situated knowledges, vibrant matter, and relational spaces." *Environment and Planning D: Society and Space*. 34(6): 971-989. <https://doi.org/10.1177/0263775816665118>
- Bergmann, L.** and M. Holmberg** (2016). "Land in Motion." *Annals of the American Association of Geographers*. 106(4): 932-956. doi:10.1080/24694452.2016.1145537
- Thatcher, J., **L. Bergmann**, B. Ricker, R. Rose-Redwood, D. O'Sullivan, T.J. Barnes, L.R. Barnesmoore, L. Beltz Imaoka, R. Burns, J. Cinnamon, C.M. 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.W. Strother, A. Tarr, M.W. Wilson, and J.C. Young (2016). "Revisiting critical GIS." *Environment and Planning A* 48(5): 815-824. doi:10.1177/0308518X15622208
- Wallace, R.G., R. Kock, **L. Bergmann**, M. Gilbert, L. Hogerwerf, C. Pittiglio, R. Mattioli, and R. Wallace (2016). "Did Neoliberalizing West African Forests Produce a New Niche for Ebola?" *International Journal of Health Services*. 46(1): 149-165.
Note: A later version also appears in the 2016 edited volume, Neoliberal Ebola, shown below.
- Wallace, R.G., **L. Bergmann**, R. Kock, M. Gilbert, L. Hogerwerf, R. Wallace, and M. Holmberg** (2015). "The dawn of Structural One Health: A new science tracking disease emergence along circuits of capital." *Social Science and Medicine*. 129: 68-77. doi:10.1016/j.socscimed.2014.09.047
- Bergmann, L.** (2013). "Bound by Chains of Carbon: Ecological-Economic Geographies of Globalization." *Annals of the Association of American Geographers*. 103(6): 1348-1370. doi:10.1080/00045608.2013.779547
- Bergmann, L.** (2012). "A Coevolutionary Approach to the Capitalist Space Economy." *Environment and Planning A*. 44(3): 518-537. doi:10.1068/a43346
- Xu, Y., F.-Q. Niu, **L. Bergmann**, Z.-Q. Wang, and J. Wang (2012). "A Dairy Industry Information Cooperative Service System Based on a Production Process Ontology." *Journal of Integrative Agriculture*. 11(5): 839-848. doi:10.1016/S2095-3119(12)60074-4
- Hogerwerf, L., R.G. Wallace, D. Ottaviani, J. Slingenbergh, D. Prosser, **L. Bergmann**, and M. Gilbert (2010). "Persistence of highly pathogenic influenza A (H5N1) defined by agro-ecological niche." *Ecobhealth*. 7(2): 213-225. doi:10.1007/s10393-010-0324-z

** Indicates undergraduate student.

PEER-REVIEWED JOURNAL ARTICLES (CONTINUED)

Bergmann, L., E. Sheppard, and P. Plummer (2009). "Capitalism beyond harmonious equilibrium: Mathematics as if human agency mattered." *Environment and Planning A*. 41(2): 265-283. doi:10.1068/a411

Jordan, N., R. Bawden, and **L. Bergmann** (2008). "Pedagogy for Addressing the Worldview Challenge in Sustainable Development of Agriculture." *Journal of Natural Resources and Life Sciences Education*. 37: 92-99. doi:10.2134/jnrlse2008.37192x

PEER-REVIEWED SCIENTIFIC ASSESSMENTS

Zdruli, P. and R. Kock as Coordinating Authors; N. Dronin, S. Bell, O. Evrard, J.A. Gómez, **L. Bergmann**, and J. Roe as **Lead Authors**; and P. Krasilnikov, H.G. Brauch, and M. Falconi as Contributing Authors (2016). "Environmental State and Trends: Land" and associated parts of Supplementary Information Section in *Global Environment Outlook 6 (GEO-6) Assessment for the Pan-European Region*. United Nations Environment Programme (UNEP), Nairobi, Kenya.

PEER-REVIEWED BOOK CHAPTERS

Lally, N.* and **L. Bergmann**. In preparation. "Enfolding" Invited submission to be considered for Kingsbury, P. and A. Secor (eds.) *Into the Void*. Cultural Geographies + Writing Earth Series. University of Nebraska Press.

Wallace R.G., R. Kock, **L. Bergmann**, M. Gilbert, L. Hogerwerf, C. Pittiglio, R. Mattioli and R. Wallace (2016). "Did neoliberalizing West African forests produce a vaccine-resistant Ebola?" in R.G. Wallace (ed), *Neoliberal Ebola: Modeling Disease Emergence from Finance to Forest and Farm*. Springer, New York. pp. 55-68.

Wallace, R., **L. Bergmann**, L. Hogerwerf, R. Kock, and R.G. Wallace (2016). "Ebola in the hog sector: Modeling pandemic emergence in commodity livestock." In R.G. Wallace (ed) *Neoliberal Ebola: Modeling Disease Emergence from Finance to Forest and Farm*. Springer, New York. pp. 13-54.

Wallace, R., **L. Bergmann**, L. Hogerwerf, and M. Gilbert (2010). "Are Influenzas in Southern China Byproducts of the Region's Globalising Historical Present?" In Giles-Vernick, T., S. Craddock, and J. Gunn, eds., *Influenza and Public Health: Learning from Past Pandemics*. Earthscan: London, UK. 101-144.

* Indicates graduate student.

PEER-REVIEWED PUBLISHED CONFERENCE PROCEEDINGS

Bergmann, L., D. O'Sullivan (2017). "Computing with many spaces: Generalizing projections for the digital geohumanities and GIScience." *Proceedings of GeoHumanities'17: 1st ACM SIGSPATIAL Workshop on Geospatial Humanities*, Los Angeles Area, CA, USA, November 7–10, 2017. <https://doi.org/10.1145/3149858.3149866>

Thatcher, J., **L. Bergmann**, and D. O'Sullivan (2016). "Searching for Common Ground (Again)." *Proceedings of GIScience 2016*. Montreal, Quebec, Canada. September 27-30, 2016. <http://dx.doi.org/10.21433/B3118nq409qz>

Jacobson, D.L., M. Arif, **L. Bergmann**, and A. Ioffe (1999). "Development of the neutron phase contrast imaging technique and its application in material science research." *Proceedings of SPIE - The International Society for Optical Engineering*. 3767: 328-335. doi:10.1117/12.371131

TECHNICAL REPORTS

Wallace, R.G., **L.R. Bergmann**, N. Ebner, D. Bonsal, L. Hogerwerf, M. Gilbert, M. Joachimiak, J. Otte, and J. Slingenbergh (2010). "Statistically modeling influenza spread and evolution across an agro-ecological landscape." Final report to the Animal Production and Health Division, Food and Agriculture Organization of the United Nations, Rome, Italy. 116 pp. Available upon request.

ART COMMENTARIES

Bergmann, L. (2013). "Losing and finding yourself in a map." *Faculty Viewpoint* on Emma Kay's (1999) *The World From Memory*, Henry Art Gallery, Seattle, WA.

TRANSLATIONS

Zhang Hui (2009). *A Scene Once Familiar* (曾经熟悉的风景). Culture and Art Publishing House (文化艺术出版社): Beijing, China. Co-translated essays with Zhang JL.

CONFERENCES, WORKSHOPS, AND SPEAKING SERIES ORGANIZED

- 2018 *Tenth International Conference on Geographic Information Science (GIScience 2018)*,
Program Committee Member.
- 2017 Workshop on emerging theories in Critical Cartography and GIS alongside the 2017
Annual Meeting of the North American Cartographic Information Society (NACIS).
Organized with R. Sieber, R. Burns, B. Ricker, and J. Thatcher. Facilitated dialogue
around papers and issues in anticipation of our organization of a special issue to be
reviewed by the *International Journal of Geographic Information Science*.
- 2016 *Ninth International Conference on Geographic Information Science (GIScience 2016)*,
Program Committee Member.

CONFERENCES, WORKSHOPS, AND SPEAKING SERIES ORGANIZED (CONTINUED)

- 2014 *Revisiting Critical GIS*: A lead organizer with J. Thatcher and D. O’Sullivan on a conference held at the Friday Harbor Laboratories, October 17-20, 2014.
- 2014 – 2013 *University of Washington, Simpson Center for the Humanities, Initiative on Biological Futures in a Globalized World*, “Biosecurities, Reterritorializations, and Para-Human Populations” Series. Co-Organizer with C. Lowe and G. Bennett. A series of colloquia and a broader collaborative ‘concept studio.’

PRESENTATIONS

Invited Lectures

- 2018 Invited lecture at the University of Berkeley, Department of Geography. Tentatively scheduled for 28 February 2018.
- 2018 Invited lecture at the University of Pennsylvania, Population Studies Center. Scheduled for 29 January 2018.
- 2017 “Realizing a relational geographic computation for the arts and sciences.” Invited lecture at the University of British Columbia, Department of Geography. 22 November 2017.
- 2017 “For Geographical Imagination Systems (GIS).” Invited lecture at the Department of Geography, University of Colorado. 15 September 2017.
- 2015 “Value in motion; earth and sky in flux.” Invited lecture in the *Tod Spieker Geographies of Carbon Colloquium Series*, 9 February 2015, Department of Geography, University of California, Los Angeles.
- 2015 “Examining the consequences of borders: What if our quantifications of carbon footprints are sensitive to historically-contingent understandings of economy and environment?” Invited presentation at the *Interdisciplinary Perspectives on the Global Carbon Supply Chain Workshop*, 16-17 January 2015, University of British Columbia, Vancouver.
- 2014 “The politics of global calculation: Carbon, Ecology, Risk, and Political Economy.” Invited presentation at the *Climate Change, Global Health, and the Inequalities of Risk: Crossing Borders and Disciplines to Re-map Vulnerability and Resilience Symposium*, 17-18 April 2014, University of Washington, Seattle.
- 2013 “[Re-]Making maps for humanists and interpretative social scientists.” Invited to be the Spring 2013 speaker in the series: *Praxis: Doing Scholarship Digitally*, 14 May 2013, at the University of Washington Libraries, Seattle.
- 2013 “Bound by Chains of Carbon: Ecological-Economic Geographies of Globalization.” Invited presentation at the *Workshop on Critical Climate Change Scholarship*, 5-7 April, University of Minnesota, Minneapolis.

PRESENTATIONS (CONTINUED)

Invited Lectures (continued)

- 2013 “Beyond the Anthropocene: Toward modest mathematical narratives for more-than-human global communities.” Invited colloquium at the *University of British Columbia Department of Geography*, 22 January 2013, Vancouver, BC.
- 2010 “Understanding Global CO₂ Emissions In Terms of Global Trade / 全球贸易视角下的碳排放研究.” Eleventh Invited Lecture within the International Scholars Lecture Series, *Chinese Academy of Sciences, Institute of Geographic Sciences and Natural Resources Research, Key Laboratory of Regional Sustainable Development Modeling*, Beijing, China. 中国科学院地理科学与资源研究所, 区域可持续发展分析与模拟重点实验室, 国际学者系列讲座之十一. 17 September 2010.

Invited Session Discussant

- 2018 On “Geographic research on vector-borne diseases” at the *Annual Meeting of the American Association of Geographers*, New Orleans.
- 2017 On “Data Infrastructures, Nature, and Politics 2” at the *Annual Meeting of the American Association of Geographers*, Boston.
- 2017 Invited to be debater against motion: “Human Dynamics will become the fifth tradition in Geography (in addition to Pattison's four traditions: spatial, area studies, man-land, and earth science)” in the *Symposium on Human Dynamics in Smart and Connected Communities* at the *Annual Meeting of the Association of American Geographers*, Boston.
- 2016 On “Towards a Political-Industrial Ecology II: Politicising Industrial Ecology” paper session at the *Annual Meeting of the American Association of Geographers*, San Francisco.
- 2014 On “Times of Global Environmental Change” paper session at *Climate Change, Global Health, and the Inequalities of Risk: Crossing Borders and Disciplines to Re-map Vulnerability and Resilience*, University of Washington, April 17-18.

Invited Panelist

- 2016 On “Critical Cartography, Critical Data: Confronting New Forms of Geospatial Information” at the *North American Cartographic Information Society 2016 Annual Meeting*, Colorado Springs. October 18, 2016
- 2015 On “Theorizing Political-Industrial Ecology” panel at the *Annual Meeting of the Association of American Geographers*, Chicago.
- 2014 On “Visioning GIScience Education” at the *Annual Meeting of the Association of American Geographers*, Tampa.

PRESENTATIONS (CONTINUED)

Invited Panelist (continued)

- 2013 On “Re-evaluating the Anthropocene, Resituating ‘Anthropos’ 5: Roundtable Discussion,” at the *Annual Meeting of the Association of American Geographers*, Los Angeles.
- 2011 On “Emerging Issues in Biological Futures II: A Panel Discussion on Global Health,” with C. Lowe, M. Stalcup, and moderator M. Sparke on 7 Nov at the *Simpson Center for the Humanities*, University of Washington, Seattle.
- 2011 On “Geographies of value, labor, and social reproduction” at the *Annual Meeting of the Association of American Geographers*, Seattle.

Peer-Reviewed Presentations

- Bergmann, L.**, D. O’Sullivan (2017). “Computing with many spaces: Generalizing projections for the digital geohumanities and GIScience.” *1st ACM SIGSPATIAL Workshop on Geospatial Humanities*. Los Angeles Area, CA, USA, November 7–10, 2017.
- Lally, N.* and **L. Bergmann** (2017). “Enfolding: A Geographical Imagination System” *28th International Cartographic Conference of the International Cartographic Association*, Washington D.C., 4 July 2017.
- Thatcher, J., **L. Bergmann**, D. O’Sullivan (2016). “Searching for Common Ground (Again).” *GIScience 2016*. Montreal, Quebec, Canada. 30 September 2016.

Presentations Accepted to Organized Sessions

- Bergmann, L.**, D. O’Sullivan (2018). “Computing with many spaces: Generalizing projections” Accepted by “Symposium on CyberGIS and Spatial Data Science: Foundations and Frontiers of CyberGIS and Spatial Data Science.” *Annual Meeting of the American Association of Geographers*, New Orleans.
- Lally, N.* and **L. Bergmann** (2017). “Enfolding.” Paper accepted for session: “Into the Void I: Invisible.” *Annual Meeting of the American Association of Geographers*, Boston.
- Bergmann, L.** (2016). “Speculative computing: toward Geographic Imagination Systems (GIS).” Paper accepted for session: “Toward a Geographical Software Studies 2: Language and tools.” *Annual Meeting of the American Association of Geographers*, San Francisco.
- Bergmann, L.** (2015). “Situated, Processual, and Relational: Theoretical and technical reformulations of 'data' using insights from the humanities and interpretive social sciences.” Paper accepted for session: “Critical Data, Critical Technology: In Theory.” *Annual Meeting of the Association of American Geographers*, Chicago.

* Indicates graduate student.

PRESENTATIONS (CONTINUED)

Presentations Accepted to Organized Sessions (continued)

Bergmann, L. (2013). "Beyond the Anthropocene: Toward modest mathematical narratives for more-than-human global communities." Paper accepted for session: 'Re-evaluating the Anthropocene, Resituating "Anthropos,"' *Annual Meeting of the Association of American Geographers*, Los Angeles.

Bergmann, L. (2012). "Beyond imagining local causes/solutions to a global problem: mapping carbon footprints of global capitalism." Paper accepted for session: "New Directions in Political Ecology I: Addressing Climate Change," *Annual Meeting of the Association of American Geographers*, New York.

Bergmann, L. and E. Sheppard (2011). "Peregrinations of value as capitalism globalizes: Theory and measure." Accepted to session: "Geographies of value, labor, and social reproduction" at the *Annual Meeting of the Association of American Geographers*, Seattle.

Bergmann, L. (2010). "Bound by Chains of Carbon: Remapping territorial connections." Paper accepted for session: "Environmental Science, policy and politics: exploring the links," *Annual Meeting of the Association of American Geographers*. Washington DC.

Sheppard, E., P. Plummer, and **L. Bergmann** (2007). "Mathematical dialectics: Exploring the spatial dynamics of capitalism." Presentation accepted in session: "Critical Quantitative Geographies: Beyond the Critical / Analytical Binarism IV," *Annual Meeting of the Association of American Geographers*, San Francisco.

Bergmann, L. (2005). "From Social Relations to a Capitalist Space Economy: Simulation Beyond the Rational Actor." Presentation accepted into the organized session "Perspectives on Geographic Complexity II." *Annual Meeting of the Association of American Geographers*, Denver.

Invited Class Guest Speaker

2017 University of British Columbia, GEOB 370: Advanced Issues in GI Science. Discussed Database Management Systems (DBMS), both relational and graph.

2017 *University of Washington*, English 504 / Comparative Literature 554: Colloquium in Digital Culture and the Digital Humanities. Discussed the spatial humanities, my recent work in *Society & Space*, and my current work on 'Geographical Imagination Systems.'

2017 *University of Washington*, Human Centered Design & Engineering 548: Advanced Topics. Discussed my current work on 'Geographical Imagination Systems' in the context of speculative design.

2016 *University of California, Berkeley*, Geography 254: Seeing Geographically: Reimagining Mapping. Discussion of my 2016 *Society & Space* and forthcoming *Geoforum* pieces.

2016 *University of Washington*, Anthropology 406 / East Asian Studies 406: Environment and Society in China. Lecture titled: "China in the global ecological economy."

PRESENTATIONS (CONTINUED)

Invited Class Guest Speaker (continued)

2010 *Macalester College*, Department of Geography, invited by Professor William Moseley. Lecture titled: "Rethinking Carbon Emissions in an Era of Economic Globalization."

Other Lectures and Presentations

Bergmann, L. (2017) "For Geographical Imagination Systems (GIS)." Scheduled for presentation at the *12th Annual Critical Geographies Conference*, University of North British Columbia, Prince George, BC. 23 September 2017.

Bergmann, L. (2017) "*Geography: The Innocent Science* and a path geography hasn't taken..." Presentation in a session I co-organized: "William Bunge (1928-2013) and Geography: I" *Annual Meeting of the American Association of Geographers*, Boston.

Bergmann, L. and N. Lally.* (2016) "Introducing Geographical Imagination Systems." *North American Cartographic Information Society, 2016 Annual Meeting*, Colorado Springs. October 18.

Bergmann, L. (2016) Panelist on "Speculative Critical GIS" panel, which I co-organized at the *Annual Meeting of the American Association of Geographers*, San Francisco.

Bergmann, L. (2013) "Globalizing Concepts: Ecology, Political Economy, and China." Accepted for presentation at *China and the Restructuring of International Political Economy*, 14-15 April, University of Oregon, Eugene.

Bergmann, L. (2012) "Ontic turbulence: fields in factories, South in North, and forests in finance." *Decolonizing Cascadia? Rethinking Critical Geographies 7th Annual Regional Mini-Conference*, Vancouver, BC.

Bergmann, L. (2011) "Carbon over the horizon: global thinking about having acted non-locally." *Cascadia Critical Geographies Mini-Conference*, Seattle.

Bergmann, L. (2010) "Global capitalism, carbon emissions, and China: Re-narrating the relations." *International Conference on China and the Future of Human Geography*. Sun Yat-sen University, Guangzhou, China.

Wallace, R.G. **L. Bergmann**, L. Hogerwerf, and M. Gilbert (2010). "Does Southern China's historical present shape influenza's evolution?" *Second International Workshop on Community-based Data Synthesis, Analysis and Modeling of Highly Pathogenic Avian Influenza H5N1 in Asia*. Beijing, China.

Bergmann, L. (2010) "Bound by chains of carbon or capital? Toward a geographical political economy of socio-ecological crisis." *A Brief Environmental History of Neoliberalism*. Lund University, Sweden.

* Indicates graduate student.

PRESENTATIONS (CONTINUED)

Other Lectures and Presentations (continued)

- Bergmann, L.** (2010) “Uneven Development and Global Accounting for Carbon Emissions.” *Merging Theory, Policy and the Practice of Development: the Gary N. Gaile Development Geography Pre-Conference* at the *Annual Meeting of the Association of American Geographers*, Washington DC.
- Hogerwerf L., K. Hall, B. McKay, N. Ebner, **L. Bergmann**, M. Gilbert, J. Slingenbergh and R.G. Wallace (2009). “Agro-ecological resilience and the evolution of highly pathogenic influenza A (H5N1)”. *Food and Agriculture Organization of the United Nations*, Rome, Italy.
- Hogerwerf L., K. Hall, B. McKay, N. Ebner, **L. Bergmann**, M. Gilbert, J. Slingenbergh and R.G. Wallace (2009). “Agro-ecological resilience and the evolution of highly pathogenic influenza A (H5N1).” *European Food Safety Authority*, Parma, Italy.
- Hogerwerf L., K. Hall, B. McKay, N. Ebner, **L. Bergmann**, M. Gilbert, J. Slingenbergh and R.G. Wallace (2009). “Agro-ecological resilience and the evolution of highly pathogenic influenza.” *Institute for Global Studies, University of Minnesota*, Minneapolis.
- Bonsal D., M. Snow, L. Hogerwerf, B. McKay, **L. Bergmann**, N. Ebner, M. Gilbert, J. Slingenbergh and R.G. Wallace (2009). Are specific amino acid replacements in HPAI H5N1 associated with shifts in agro-ecological niche? *The 1st International Workshop on Community-based Data Synthesis, Analysis and Modeling of Highly Pathogenic Avian Influenza H5N1 in Asia*. Bangkok.
- Bergmann, L.** (2008). “Structured by the Pursuit of Profit: A Co-evolutionary inter-sectoral model with stochastic technical change.” Paper accepted for presentation at the *Probabilistic Political Economy* Conference, Kingston University, UK.
- Bergmann, L.**, E. Sheppard, and P. Plummer. (2007). “Capitalism beyond harmonious equilibrium: mathematics as if human agency mattered.” *Second Global Conference on Economic Geography*, Beijing, China.
- Bergmann, L.** (2006) “Theory by Modeling and Simulation: Moving Beyond ‘Qualitative vs. Quantitative.’” *Fourth Meeting of East Asian Regional Conferences in Alternative Geography*, National Taiwan University, Taipei.

CONFERENCE SESSIONS ORGANIZED

- 2017 *Annual Meeting of the American Association of Geographers*. Co-organizer with C. Akatiff of four sessions (two of papers and two of panels) on “William Bunge (1928-2013) and Geography.”
- 2016 *Annual Meeting of the American Association of Geographers*. Co-organizer with J. Thatcher and D. O’Sullivan of two panel discussions on “Constructively Critical GIS” and “Speculative Critical GIS.”

CONFERENCE SESSIONS ORGANIZED (CONTINUED)

- 2014 *Annual Meeting of the Association of American Geographers*, Co-organizer of three sessions around “Digital Geographies, Geographies of Digitalia” (with J. J. Giesecking.) Sub-themes: “Interventions into Digital Thought and Practice,” “The Digital in Place,” and “Discursive Productions of Digital Space.”
- 2014 *University of Washington, Department of Geography*. Co-organized extended digital and in-person discussions among our community of the Kilburn Manifesto before events at the 2014 Annual Meeting of the Association of American Geographers.

WORKSHOPS ATTENDED AS INVITED PARTICIPANT

- 2017 *Symposium on Human Dynamics in Smart and Connected Communities* at the *Annual Meeting of the Association of American Geographers*, Boston, April 5 – 9, 2017.
- 2015 *Scale and Resilience in Planning: from the Salish Sea to the Chengdu Plain: 2015 Annual Symposium of the Interdisciplinary PhD Program in Urban Design and Planning*, University of Washington, January 16-17, 2015.
- 2015 *Interdisciplinary Perspectives on the Global Carbon Supply Chain* Workshop, January 16-17, 2015, University of British Columbia, Vancouver.
- 2014 *Climate Change, Global Health, and the Inequalities of Risk: Crossing Borders and Disciplines to Re-map Vulnerability and Resilience*, University of Washington, April 17-18.
- 2013 *Workshop on Critical Climate Change Scholarship*, University of Minnesota, April 5-7.
- 2012 *Synthetic Biology in Question: Assessing the role of human and social scientists*. Initiative on Biological Futures in a Globalized World and Simpson Center for the Humanities, University of Washington.

RESEARCH, PEDAGOGICAL, AND PROFESSIONAL PREPARATION

- Present – 2016 *University of Washington, Center for Teaching and Learning*, Pedagogical consultations.
- 2014 *University of Washington, Center for Teaching and Learning*, Active Learning Classroom Learning Community, Member.
- 2014 – 2013 *University of Washington, Department of Geography*, Capstone Assessment Project
- 2012 *Geography Faculty Development Alliance*, Workshop attendee/participant.
- 2011 *University of Washington*, Faculty Fellows Program.
- 2011 – 2010 *Chinese Academy of Sciences, Institute of Geographic Sciences and Natural Resources Research*. Research visitor from May 2010 to April 2011.

RESEARCH, PEDAGOGICAL, AND PROFESSIONAL PREPARATION (CONTINUED)

- 2010 *Training workshop on progress in human geography.* Sun Yat-sen University, Guangzhou.
- 2010 *Summer Institute in Economic Geography.* University of British Columbia, Vancouver. Selected as participant.
- 2010 – 2009 *University of Minnesota – Twin Cities.* Research Assistant to Regents Professor Eric Sheppard on geographical approaches to international trade.
- 2009 *University of Hong Kong, Department of Geography.*
Research visitor from March to July of 2009.
- 2009 *University of California – Los Angeles, Department of Geography.*
Research visitor from February to March of 2009.
- 2006 – 2005 *University of Minnesota – Twin Cities.* Research Assistant to Professor Eric Sheppard on disequilibrium economic geographies.

PROFESSIONAL SERVICE

National and International Service

- 2018 – 2017 *GIScience 2018*, Program Committee Member and Reviewer.
- 2017 – 2016 *Association of American Geographers.* Co-Organizer creating a Digital Geographies Specialty Group (includes ideas, documents, petitions, organizing, revisions.)
- 2016 *United Nations Environment Programme (UNEP), Global Environment Outlook 6 (GEO-6) Assessment for the Pan-European Region.* Lead Author of Scientific Assessment.
- 2016 *GIScience 2016*, Program Committee Member and Reviewer for 3 Full Papers and 5 Short Papers.
- 2014 – 2013 *Alliance for Networking Visual Culture*, Research, Authoring & Publication Working Group.
- 2010 – 2009 *Association of American Geographers, Economic Geography Specialty Group*, Elected to board.

University and College Service

- Present – 2014 *University of Washington, Environmental Cultures and Values Proposed Minor*, Core Faculty in effort to create an environmental humanities minor.
- 2017 *University of Washington, Simpson Center for the Humanities*, Advisory and Selection Committee for the 2018 Digital Humanities Summer Fellowships, Member.

PROFESSIONAL SERVICE (CONTINUED)

University and College Service (continued)

- 2017 *University of Washington, eScience Institute, Moore/Sloan & WRF Innovation in Data Science Postdoctoral Fellowship reviewer.*
- 2016 *University of Washington, Simpson Center for the Humanities, Advisory and Selection Committee for the 2017 Digital Humanities Summer Fellowships, Member.*
- 2016 *University of Washington, Jackson School of International Studies, China Studies Program, Fellowship Committee, Member.*
- 2015 *University of Washington, Simpson Center for the Humanities, Advisory and Selection Committee for the 2016 Reimagining the Humanities PhD and Reaching New Publics Mellon Fellowships in Public Scholarship, Member.*
- 2015 *University of Washington, Simpson Center for the Humanities, Advisory and Selection Committee for the 2016 Digital Humanities Summer Fellowships, Member.*
- 2013 – 2012 *University of Washington, College of Liberal Arts, Division of Social Sciences. Social Sciences Online Degree Implementation Group.*

Departmental Service

- Present – 2017 *University of Washington, Department of Geography, Undergraduate Program Co-Coordinator and Undergraduate Education Committee Co-Chair.*
- 2017 – 2016 *University of Washington, Department of Geography, Undergraduate Education Committee, Member.*
- 2016 – 2015 *University of Washington, Department of Geography, Executive Committee, Member.*
- 2016 – 2015 *University of Washington, Department of Geography, Diversity Committee, Chair.*
- 2014 – 2013 *University of Washington, Department of Geography, Undergraduate Program Committee.*
- 2014 – 2013 *University of Washington, Department of Geography, Integrated Capstone Assessment Project Group*
- 2014 *University of Washington, Department of Geography, Administrator Hiring Committee.*
- 2013 – 2012 *University of Washington, Department of Geography, Ad-hoc committee on online/digital pedagogy.*
- 2013 – 2012 *University of Washington, Department of Geography, Executive Committee.*
- 2013 – 2012 *University of Washington, Department of Geography, Technology Committee.*
- 2012 – 2011 *University of Washington, Department of Geography, Graduate Committee.*

PROFESSIONAL SERVICE (CONTINUED)

Manuscript and Proposal Reviews

- 2017 *ACME*, Reviewer.
- 2017 *Progress in Human Geography*, Reviewer.
- 2017 *Labore Journal of Policy Studies*, Reviewer.
- 2017 *Economy and Society*, Reviewer.
- 2017 – 2016 *Annals of the Association of American Geographers*, Reviewer.
- 2016 *Environmental Modelling and Software*, Reviewer.
- 2016 *Energy*, Reviewer.
- 2016 *The Canadian Geographer / Le Géographe Canadien*, Reviewer.
- 2016 *Epidemiology and Infection*, Reviewer.
- 2016 *ACME*, Reviewer.
- 2015 *Geographical Research*, Reviewer.
- 2015 *Environment & Planning B: Planning and Design*, Reviewer.
- 2015 *National Science Foundation, Geography and Spatial Science Program*, Proposal Reviewer.
- 2015 *Antipode*, Reviewer.
- 2015 *Environment & Planning A*, Reviewer.
- 2014 – 2013 *Progress in Human Geography*, Reviewer.
- 2014 – 2013 *Global Environmental Change*, Reviewer.
- 2014 *Annals of the Association of American Geographers*, Reviewer.
- 2014 *Journal of Cleaner Production*, Reviewer.
- 2013 *National Science Foundation, Geography and Spatial Science Program*, Proposal Reviewer.
- 2013 *Proceedings of the National Academy of Sciences*, Reviewer.
- 2013 *Ecological Economics*, Reviewer.
- 2013 *Geoforum*, Reviewer.
- 2013 *Economic Geography*, Reviewer.
- 2012 *Annals of the Association of American Geographers*, Reviewer.

PROFESSIONAL SERVICE (CONTINUED)

Manuscript and Proposal Reviews (continued)

- 2012 *Applied Geography*, Reviewer.
- 2012 *University of Washington Royalty Research Fund*, Reviewer.
- 2011 *Environment & Planning A*, Reviewer.
- 2011 *Economic Geography*, Reviewer.
- 2010 *Environment & Planning A*, Reviewer.

STUDENT MENTORING AND SUPERVISION

Ph.D. Advisor

- Present – 2017 *J. Mateo Espinoza*, University of Washington, Geography.
Topic: Political ecology of health, disease, and medicine in the northern Andes.
- Present – 2016 *Phillip A. Neel*, University of Washington, Geography, Ph.D. Candidate.
Topic: Chinese international expansion in relation to global economic stagnation.
- Present – 2015 *Ross Doll*, University of Washington, Geography, Ph.D. Candidate.
Topic: Cultural geography of agrarian change and resource use in China;
mixed methods (ethnography & remote sensing)
- Present – 2014 *Christopher Cox*, University of Washington, Geography, Ph.D. Candidate.
Working Title: “The Productivore’s Dilemma: Silviculture and the Expropriation
of the Coast Redwood.”

Ph.D. Committee Member

- Present – 2017 *Xi Xia Yang*, University of Washington, Geography.
Topic: Spatial demography in China under mass migration and population aging.
- Present – 2017 *Lee Fiorio*, University of Washington, Geography.
Topic: Critical quantitative geography and population processes.
- Present – 2016 *Nick Lally*, University of Wisconsin, Geography, Ph.D. Candidate.
Topic: Government outsourcing of political functions to software companies.
Lally also is now a co-author and was my research assistant under the Summer
Digital Humanities Commons Research Fellowship.
- Present – 2016 *Key MacFarlane*, University of Washington, Geography, Ph.D. Candidate.
Topic: Mapping international trade and migration in European global cities.

STUDENT MENTORING AND SUPERVISION (CONTINUED)

Ph.D. Committee Member (continued)

- Present – 2014 *Emma Slager*, University of Washington, Geography, Ph.D. Candidate.
Working title: “Networked politics: Community infrastructure as response to urban and digital inequality.”
- Present – 2012 *Josef Eckert*, University of Washington, Geography, Ph.D. Candidate.
Working title: “Confessions of a Retweeter Tower: Social & Spatial Media in Activism.”
I was also his Humanities, Arts, Science and Technology Advanced Collaboratory (HASTAC) Fellow Mentor. He was also my research assistant.
- 2017 – 2013 *Jason C. Young*, University of Washington, Geography, Ph.D.
Title: “Encounters Across Difference: The Digital Geographies of Inuit, the Arctic, and Environmental Management.”

Other Ph.D. Mentoring

- 2014 – 2013 *Ryan Burns*, University of Washington, Geography.
Humanities, Arts, Science and Technology Advanced Collaboratory (HASTAC) Fellow Mentor.

M.A. Advisor

- 2016 – 2014 *Phillip A. Neel*, University of Washington, Geography.
Title: “The Undersea: Suburban Slums and the Logistics City.”
- 2013 – 2012 *Nicholas Lott-Havey*, University of Washington, Geography.
Title: “Modern Other and non-Modern Self: Discourses, Silences, and Ruptures of Chinese Modernity Deployed in Blogs Regarding Chinese Students Seeking Education Abroad.”
- 2013 – 2012 *Marshall C. Agnew*, University of Washington, Geography.
Left M.A. program to take position doing visualization at Splunk, where he is now Senior Software Developer.

M.A. Committee Member

- 2015 – 2014 *Meredith Krueger*, University of Washington, Geography.
Title: “Care and capitalist crisis in anglophone digital landscapes: the case of the mompreneur.”
- 2013 *Lindsay Butt*, University of Washington, Jackson School of International Studies.
Title: “Not so Black and White: Panda Conservation, Bile Farming and the Conflict between Cultural Traditions and Modern Values in China”

STUDENT MENTORING AND SUPERVISION (CONTINUED)

Other M.A. Mentoring

2019 – 2017 Suzanne Chew, University of Calgary, Department of Geography.
Humanities, Arts, Science and Technology Advanced Collaboratory (HASTAC)
Scholars Mentor.

Undergraduate Students

Present – 2017 *Ariel Kadouri*, University of Washington. Research mentor in GIScience questions
around spatial comparison and genetic algorithms.

2016 *Jennifer Benson*, University of Washington. Research mentor on population ecology
and epidemiology.

2014 *Richard McGovern*, University of Washington. 2014 Mary Gates Research Scholar,
“Saving our Buses: Optimizing the Equity and Efficiency of our Public
Transportation System,” Faculty Co-Mentor.

2014 – 2011 *Mollie Holmberg*, University of Washington. 2012 Mary Gates Research Scholar,
“Modeling the Human Ecosystem,” Faculty mentor and co-author of two research
articles. I was Holmberg’s instructor in *The 2013 Summer Institute in the Arts &
Humanities* as well. M. Holmberg also presented at the 2014 *Annual Meeting of the
Association of American Geographers*, at the *National Collegiate Research Conference 2014* at
Harvard, and at the Council on Undergraduate Research’s *Posters on the Hill* for
Congress in Washington, D.C. Holmberg has entered graduate studies in
Geography at University of British Columbia, Fall 2017 and was awarded the NSF
Graduate Research Fellowship in 2017 but declined.

2013 – 2012 *Zakery Lee*, University of Washington. 2013 Mary Gates Research Scholar,
“Analyzing Public Transit and Socioeconomic Equality in Seattle, WA,” Faculty
Co-Mentor.

INDEPENDENT STUDIES AND RESEARCH ADVISED FOR CREDIT

GEOG 499: Undergraduate level *Special Studies*

GEOG 600: Graduate level *Independent Study or Research*

Year	GEOG 499		GEOG 600		Total	
	Courses	Credit Hours	Courses	Credit Hours	Courses	Credit Hours
2012	1	4	2	3	3	7
2013	3	8	1	3	4	11
2014	0	0	1	2	1	2
2015	0	0	4	14	4	14
2016	1	5	3	15	4	20
2017	0	0	7	28	7	28
Totals	5	17	18	65	23	82

Cumulative total independent supervision: 82 credit hours over 23 courses from 2012 to 2017.

COURSE INSTRUCTION

2017 Autumn	Geog 360	<i>GIS & Mapping.</i>
2017 Spring	Geog 270	<i>Geography of International Development and Environmental Change.</i>
2017 Spring	Geog 571	<i>Critical Ecologies of Relational Becoming: Geographies after Nature and Society.</i>
2017 Winter	Geog 458	<i>Advanced Digital Geographies.</i>
2016 Autumn	Geog 360	<i>GIS & Mapping.</i>
2016 Spring	Geog 270	<i>Geography of International Development and Environmental Change.</i>
2016 Spring	Geog 521	<i>Critical GIS.</i>
2016 Winter	Geog 458	<i>Advanced Digital Geographies.</i>
2015 Autumn	Geog 360	<i>Principles of GIS Mapping.</i>
2014 Spring	Geog 458	<i>Advanced Digital Geographies.</i>
2014 Winter	Geog 270	<i>Geography of International Development and Environmental Change.</i>
2014 Winter	Geog 571	<i>Critical Ecologies of Relational Becoming: Geographies after Nature and Society.</i>
2013 Autumn	Geog 360/560	<i>Principles of GIS Mapping.</i>
2013 Summer	Hum 498A&B	<i>Outbreak! Reimagining Death and Life, Disease and Health: The 2013 Summer Institute in the Arts & Humanities.</i>

COURSE INSTRUCTION (CONTINUED)

2013 Spring	Geog 495	<i>Digital Geographies.</i>
2013 Winter	Geog 521	<i>Hybrid Humanities: Critical, Digital, Geographical.</i>
2012 Autumn	Geog 360/560	<i>Principles of GIS Mapping.</i>
2012 Spring	Geog 360/560	<i>Principles of GIS Mapping.</i>
2012 Spring	Geog 571	<i>Critical Ecologies of Relational Becoming: Geographies after Nature and Society.</i>
2012 Winter	Geog 270	<i>Geography of International Development and Environmental Change.</i>

Last updated on Friday, November 24, 2017.