

AMANDA K PHILLIPS DE LUCAS
POSTDOCTORAL RESEARCH ASSOCIATE
CARY INSTITUTE OF ECOSYSTEM STUDIES

Education

Ph.D. in Science and Technology Studies, Virginia Tech, 2018

Dissertation Title: *Infrastructural Imaginaries: Highways and the Sociotechnical Production of Space in Baltimore.*

M.S. in Science and Technology Studies, Virginia Tech, 2017

M.A. in Popular Culture and Digital Media, New York University, Gallatin, 2013

B.A. in Music History, Bennington College, 2011

Academic Experience

Cary Institute of Ecosystem Studies, Baltimore, MD

Postdoctoral Research Associate, June 2018 – Present

Research Project: 'Is Green Infrastructure a Universal Good?'

PI's: Steward Pickett, Cary Institute of Ecosystem Studies, J. Morgan Grove, USDA Forest Service – Baltimore Field Station

I conducted, transcribed, and analyzed 20 semi-structured, long form interviews with city officials, institutional stakeholders, and residents within Baltimore City to understand perceptions of green infrastructure and greening efforts in the city. Additionally I reviewed federal, state, and city level policies to study the historical trajectory and social dimensions of environmental plans within Baltimore City. This analysis contributed to policy recommendations to public and private stakeholders to improve the governance of green infrastructure.

Virginia Polytechnic and State University – Blacksburg, VA

Graduate Teaching and Research Assistant, Aug 2015 – June 2017

Department of Science and Technology Studies

Worked collaboratively with department chair to design a dual BA/BS undergraduate major in Science and Technology Studies. Coordinated proposal and solicited feedback from with students, faculty, college officials, and other internal and external stakeholders.

Past Research

Infrastructural Imaginaries: Highways and the Sociotechnical Production of Space in Baltimore

Dissertation, Concluded

Dissertation Chair: Daniel Breslau

My dissertation examined the social and geographic dimensions of interstate highway plans in the United States. By drawing from archival records left by activist organizations that fought against roadway plans in Baltimore, I demonstrated how residents challenged engineers and policy makers to design highways that preserved the character of existing neighborhoods. Additionally, my research demonstrated how federal policy, such as NEPA, informed the legal arguments against highway construction.

Teaching Experience

STS 2054: Engineering Cultures - Virginia Tech

Instructor of Record, Spring 2016-2017, Summer 2017

Recitation Instructor, Fall 2015

Course helps engineering students learn to work better with people who define problems differently than they do. Course work examines how what counts as an engineer and engineering knowledge has varied over time and from place to place. I taught course modules on Korea, France, Germany, Great Britain and the US. Students gain concrete strategies for understanding different approaches to technical problem solving they will face on the job.

Increasing Diversity in Science and Technology Policy Program - Arizona State University

Teaching Assistant, Summer 2016

NSF-funded program designed to expose underrepresented undergraduate students to careers in science policy in Washington D.C. I coordinated daily travel, meals, and evening activities for participants. Worked directly with students to refine research questions, edit final projects, facilitate group discussion, and suggest secondary and primary sources to support research.

NCLC 203: Inquiry to Action – Facilitating Change - George Mason University

Instructor of Record, Spring 2014

Course considers the relationships between academic research, individual acts, and society's social and political structures. I worked with students to design a community based learning project, explore qualitative and quantitative approaches, apply information and communication technologies to the research process, and learn from stakeholders at external organizations.

NCLC 102: Global Networks and Communities - George Mason University

Instructor of Record, Fall 2013

Prepare students for participation in a global society by investigating global and local issues dealing with food in a contemporary and historical context. Course considers how global and local concerns surrounding food link to critical topics such as “western” civilization, globalization, (neo)colonialism, and imperialism. Students gain an in-depth perspective of the intricate relationships between people, cultures, and food at various moments in our history.

Publications

[Planned Submission, June 1] Phillips de Lucas, Amanda and Joanna Solins. Between Nature and Function: Historical, Biophysical, and Social Understandings of Green Stormwater Infrastructure in the Sustainable City, *Frontiers in Evolution and Ecology*.

[Submitted] Gifting a White Elephant: The Illusion of Community Stewardship and Infrastructural Persistence in the Sustainable City. *The Nature of Cities*.

[Revise and Resubmit] “Producing the ‘Highway to Nowhere’: Social Understandings of Space in Baltimore, 1944-1974.” *Engaging Science, Technology & Society*.

[Revise and Resubmit] “A Highway in Pieces: Understanding the Legal Politics of Highway Construction in the 1970’s.” *Environment and Planning C: Politics and Space*.

[Book Review] “Collaborative Review, Part I, on Being an Interdisciplinary Academic.” *Social Epistemology Review and Reply Collective* 8 (9): 70-72. (2019).

[Book Review] 'What Makes a Trail?' *Transfers: Interdisciplinary Journal of Mobility Studies*. Vol. 8, (2018): 148-149.

"Playing the Game in a Post-Truth Era." *Social Epistemology Review and Reply Collective* 6(7): 2017.

Invited Talks

Baltimore Redlining Symposium (Morgan State University), Invited Speaker, October 2019
Title: The Infrastructural Politics of Baltimore's MLK Boulevard

Baltimore Data Day, Panel Moderator, July 2019
Panel Title: Identifying and Preserving Endangered Data in Baltimore

Presentations (Partial List)

Baltimore Ecosystem Study Annual Meeting – Baltimore, MD, October 2019
Title: Gifting a White Elephant: The Beautiful and Burdensome Promise of Green Infrastructure

Maintainers III: Policy, Practice, and Care – Washington, D.C., October 2019
Title: Fieldnotes on Maintenance and Urban Stewardship of Green Infrastructure

National Recreation and Parks Conference – Baltimore, MD, September 2019
Title: Is Green Infrastructure a Universal Good?

Society for the Social Study of Science – New Orleans, LA, September 2019
Panel Title (Organizer): Greening Infrastructure Studies
Title: Greenish Grey: Navigating Professional Expertise in the Sustainable City

Ecological Society of America Annual Conference – Louisville, KY, August 2019
Title: Greening Infrastructural Expertise: Knowledge, Practice, and Conflict

ALLA/AES/ABA Joint Spring Meeting: Ethnographic Futures – St. Louis, MO, March 2019
Title: Green Infrastructure and Expertise: Assembling the Sustainable City

Imagining a History of the Future: Unsettling Scientific Stories - University of York (UK), March 2018
Title: Dreams of an Interstate: How Futurama Imagined the Interstate

Professional Experience

Voices of Ascension, New York, NY

Information Management and Development, July 2017 – June 2018

Marketing and Development Associate, July 2014 – July 2015

Managed communications, market research, and daily operations for a non-profit choral and orchestral ensemble. I was responsible for cleaning and maintaining our organizational database, processing ticket sales, designing annual mailers, and drafting grant proposals. Developed program documentation including policies, marketing documents, and recruitment materials to support the creation of a Young Artists Program and Conductor Academy.

Gotta Dance – Branchburg, NJ

Project Manager, Feb 2012 – September 2013

Special Projects Contractor, Project Based, Continuous

Developed internal protocols and outward facing literature for a studio wide internship program for high school students. Managed external contractor in website redesign, wrote website copy, and formatted media files for new website. Drawing from academic and policy literature, I developed a studio wide anti-bullying policy with actionable steps for reporting and addressing in-class bullying.

Workshops and Professional Development

Anthropocene Field Campus

St. Louis, MO, March 2019

New Orleans, LA, September 2019

Sponsored by: Haus der Kulturen de Welt, Max Planck Institute for the History of Science

Winter School on Responsible Innovation and Social Studies of Emerging Technologies

Arizona State University, January 2018

Sponsored by: National Nanotechnology Coordinated Infrastructure

Service to Field/Volunteer Positions

Baltimore Urban Waters Partnership

Working Groups: Baltimore Flood Team, Community Resilience

October 2019 – Present

Interjurisdictional group of researchers, policy makers, and subject matter experts who meet quarterly to encourage coordination in activities to improve watershed health in the Baltimore and Chesapeake Bay Region.

Bmore Historic Unconference

Organizing Committee, Feb 2020 - Present

Support larger committee and executive leadership in the administration of annual conference at the Baltimore Museum of Industry. Assist with planning, day of coordination, and sponsor recruitment.

Leakin Park Parkrun

Volunteer, December 2019 - Present

Parkrun offers a free weekly 5K race in a local park. As a volunteer, I aid the run director in the administration of the race.

Baltimore GROW Centers

Resource Volunteer, Fall 2019

Baltimore GROW Centers (Green Resources & Outreach for Watersheds) are pop-up resource hubs, that link residents to green materials and expertise. I volunteered at these events as a subject matter expert on green infrastructure and environmental justice.

Baltimore History Day

Judge – Junior Paper, Spring 2020

Baltimore History Day offers an opportunity for middle and high school students to develop their capacity for critical thinking, historical analysis, and archival research. As a judge for Junior Paper, I assessed six essays, provided constructive feedback, and ranked submissions for subsequent rounds of judging.

ST Global

Conference Chair, 2016 – 2017

Logistics Committee Volunteer, 2015 – 2016

ST Global is a science policy conference produced by graduate students and hosted by AAAS and the NAS. As conference chair I managed volunteers, coordinated event logistics, planned the event, scheduled two keynote speakers, increased membership, created and maintained budget, and awarded travel funding. As chair, I increased sponsorship to include two new schools and formalized undergraduate participation in the conference.

Department of STS at Virginia Tech Policy Committee

Graduate Student Representative, 2015 –2017

Elected by departmental Graduate Student Organization to serve as a voting member on the faculty policy committee. In this position I voiced graduate student concerns, informed policy decisions, and contributed to faculty hiring discussions.

Fellowships and Awards

Graduate Student Association Travel Award, Fall 2016, Spring 2017

Virginia Tech

Cultural History/ Social Change 'In Residence' Fellow, 2012 - 2013

Gallatin-Newington-Cropsey Foundation

Dean's Scholarship, 2011-2013

New York University

Specialized Skills and Technology

MS Office, Interview Transcription, Atlas.ti, Quirkos, InDesign, Illustrator, Adobe Acrobat Pro, eTapestry, Raiser's Edge, Canvas