

HARRISON COLE

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Education

- 2021 **Ph.D., Geography**, The Pennsylvania State University
(Expected defense: December, 2021)
Dissertation: Designing Tactile Maps for Natural Hazard Mitigation Planning
Advisor: Dr. Anthony Robinson
- 2017 **MA, Geography**, University of Kentucky
Graduate Certificate in Social Theory
Thesis: Pigs, Pipelines and Patients: Biopolitics of Organ Transplant Logistics
Advisor: Dr. Jeremy Crampton
- 2014 **BA, Geography** (GIScience concentration), The University of Texas at Austin
Certificate in Russian, East European and Eurasian Studies

Research

Journal Articles

- 2021 Robb, D., **Cole, H.**, Baka, J., Bakker, K. Visualizing water-energy nexus landscapes. *Wiley Interdisciplinary Reviews: Water*, e1548. July 29.
<https://doi.org/10.1002/wat2.1548>
- Cole, H.** The Organ Supply Chain: Geography and the Inequalities of Transplant Logistics. *Transactions of the Institute of British Geographers*. April 20.
<https://doi.org/10.1111/tran.12458>
- Cole, H.** Tactile cartography in the digital age: A review and research agenda. *Progress in Human Geography*. 45(4): 834-854. March 15.
<https://doi.org/10.1177%2F0309132521995877>

Refereed Conference Proceedings

- 2021 **Cole, H.** Thematic Tactile Cartography: Evaluating Tactile Mapping Techniques for Novel Applications. *Abstracts of the International Cartographic Association*. Florence, Italy: December 14. (In press)
- 2020 **Cole, H.** Accessible Mitigation Planning: Tactile Hazard Map Design and Evaluation. In *ISCRAM 2020 Conference Proceedings – 17th International Conference on Information Systems for Crisis Response and Management*. Blacksburg, VA. 1031–1037.
http://idl.iscram.org/files/harrisoncole/2020/2294_HarrisonCole2020.pdf
- 2019 **Cole, H.** Toward Accessible Hazard Mapping: Tactile Risk Maps and Disaster Preparedness. *Abstracts of the International Cartographic Association*. Tokyo, Japan: July 18.
<http://dx.doi.org/10.5194/ica-abs-1-47-2019>
- Cole, H.** Evaluating Thematic Tactile Maps for Risk Assessment. *US National Report (US National Committee for the International Cartographic Association)*.
<https://cartogis.org/usnc-ica/us-national-report/>
- 2018 MacEachren, A. M., Caneba, R., Chen, H., **Cole, H.**, Domanico, E., Triozzi, N., Xu, F., Yang, L. Is This Statement About a Place? Comparing two perspectives (Short Paper). *10th International Conference on Geographic Information Science (GIScience 2018)*. Melbourne, Australia: August 28-31. 44:1-44:6
<https://doi.org/10.4230/LIPics.GIScience.2018.44>
- 2018 **Cole, H.** Geovisualization of Dream Spaces. *New Directions in Geovisual Analytics: Visualization, Computation, and Evaluation (GVIZ 2018)*. Melbourne, Australia: August 28. 3:2-3:5.
<https://viz.icaci.org/GVIZ2018/programme/>

Commentary

- 2019 **Cole, H.** Review of Where the Animals Go: Tracking Wildlife with Technology in 50 Maps and Graphics. *Cartographic Perspectives*. 93: 93-95.
<https://doi.org/10.14714/CP93.1571>
- 2018 Caswell, M., **Cole, H.**, Griffith, Z. Images, Silences, and the Archival Record: an Interview with Michelle Caswell. *disClosure: A Journal of Social Theory*. 27: 21-27.
<https://doi.org/10.13023/disclosure.27.04>

Articles in preparation

- 2022 Baka, J., Jalbert, K., **Cole, H.** Political Constructions of Hydraulic Fracturing Wastewater: Implications for Environmental Injustice in the Marcellus Shale. Special Issue – Race, Nature, and the Environment. *Annals of the American Association of Geographers*
- Cole, H.** Thematic Tactile Maps for Flood Mitigation Planning: Design, Access, and Evaluation. (Target journal: *Cartography and Geographic Information Science*).
- Cole, H.** The Limits and Possibilities of Tactile Cartography as a Collaborative Decision-Making Tool. (Target Journal: *Cartographic Perspectives*).

Conference Presentations

- 2021 Feeling the Flood: Evaluating Thematic Tactile Maps. *Annual Meeting of the North American Cartographic Information Society*. Oklahoma City, OK: October 14.
- 2020 Making Flood Maps Accessible: Designing Tactile FIRMs. *Annual Meeting of the North American Cartographic Information Society*. Online: October 16.
<https://www.youtube.com/watch?v=-xVnAaXWPFo>
- Mapping Historically Black Colleges and Universities in OSM. *State of the Map 2020*. Online: July 4.
<https://2020.stateofthemap.org/sessions/QYYC9T/>
- Accessible Mitigation Planning: Tactile Hazard Map Design and Evaluation. *17th International Conference on Information Systems for Crisis Response and Management*. Blacksburg, VA. (Conference postponed)
- 2019 Cartographic Accessibility Through History. *Annual Meeting of the North American Cartographic Information Society*. Tacoma, WA: October 18.
<https://www.youtube.com/watch?v=TVamLzFChsE>
- Toward Accessible Hazard Mapping: Tactile Risk Maps and Disaster Preparedness. *29th International Cartographic Conference*. Tokyo, Japan: July 18.
- The Cost of Cartography: Mapping the Carbon Footprint of Mapping. *American Association of Geographers 114th Annual Meeting*. Washington, DC: April 6.
- 2018 Visions of Light: Mapping Lighthouses and Other Nautical Beacons. Presentation, *Annual Meeting of the North American Cartographic Information Society*. Norfolk, VA: October 19.
https://www.youtube.com/watch?v=SCfZ912xC_4
- Geovisualization of Dream Spaces. *10th International Conference on Geographic Information Science*. Melbourne, Australia: August 28.
- 2017 Pigs, Pipelines and Patients: Towards a Theory of Biologistics. *American Association of Geographers 113th Annual Meeting*. Boston, MA: April 5.

Invited Talks

- 2021 Historically Black Colleges and Universities: Representation in OSM. *OpenStreetMap US Mappy Hour*. Online. August 18.
<https://www.youtube.com/watch?v=fjvC4lrFYzc>
- Natural Disaster Planning Using Tactile Maps. *Image Access for All*. Online. August 5.
- 2018 Critical Approaches to Virtual Reality. *School of Design, Royal Melbourne Institute of Technology*. Melbourne, Australia: September 5.

Published Cartographic Works

- 2022 Boittin, J. *Undesirable: Passionate Mobility Versus the Policing of Intimacy in the French Empire*. The University of Chicago Press. (In press)
Abel, J. *Dream Super-Express: A Cultural History of the World's First Bullet Train*. Stanford University Press. (In press)
- 2020 **Cole, H.** Lions Gate 2. *Maplines Winter Edition 2020 - COVID-19 and mapping health*. <https://www.cartography.org.uk/maplines-archive>
Baka, J., Hesse, A., Neville, K. J., Weinthal, E., & Bakker, K. Disclosing Influence: Hydraulic fracturing, interest groups, and state policy processes in the United States. *Energy Research & Social Science*, 70, 101734.
<https://doi.org/10.1016/j.erss.2020.101734>
Cole, H. Stillness Map 1: Ports of Los Angeles and Long Beach. *Livingmaps Review*, 9. <https://livingmaps.squarespace.com/stillness-map-1>
Cole, H. Trouver refuge dans la blaie du Prince-William. *Visionscarto.net*, Collection cartographique, April 27. <https://visionscarto.net/refuge-prince-william>
- 2014 Norriss, J. Merging of industry and environment in Costa Rica. University of Texas at Austin Research Week. Austin, TX.
<http://hdl.handle.net/2152/24353>

Teaching and Appointments

Instructor of Record

- SP21 Maps and the Geospatial Revolution: GEOG 6N (Online: asynchronous)
The Pennsylvania State University
- FA20 Maps and the Geospatial Revolution: GEOG 6N (Online: synchronous)
The Pennsylvania State University
- SP20 FA21 Maps and the Geospatial Revolution: GEOG 6N (In-residence)
The Pennsylvania State University
- SU18 Human Geography: GEOG 30 (In-residence)
The Pennsylvania State University

Teaching Assistant

- SP19 Geographic Information Systems: GEOG 363 (In-residence)
The Pennsylvania State University
- FA18 FA19 Mapping and the Geospatial Revolution: GEOG 6N (In-residence)
The Pennsylvania State University
- FA17 Mapping our Changing World: GEOG 160 (Online: asynchronous)
The Pennsylvania State University

- SP18 Mapping our Changing World: GEOG 160 (In-residence)
The Pennsylvania State University
- FA15 SP16 Digital Mapping: GEO 109 (In-residence)
- FA16 SP17 *University of Kentucky*

Research Positions

- SP20 SU20 Cartographic Consultant, Department of Comparative Literature
Project: Cinemap
Supervisor: Dr. Jonathan E. Abel
The Pennsylvania State University
- SU20 SU21 Research Assistant, Department of Geography
Project: Cracking Appalachia
Principal Investigator: Dr. Jennifer Baka
The Pennsylvania State University
- SU18 Visiting Scholar, Department of Information Technology
Supervisor: Dr. Bernhard Jenny
Monash University. Melbourne, Australia

Online Course Development

- SU20 Maps and the Geospatial Revolution: GEOG 6N (Online: synchronous)
The Pennsylvania State University

Workshop and Conference Organization

- 2021 Cartographic Resources. *Annual Meeting of the North American Cartographic Information Society*. Oklahoma City, OK: October 15.
Mapping For All. *Annual Meeting of the North American Cartographic Information Society*. Oklahoma City, OK: October 15.
- 2019 Spatial Cognition in Virtual Environments: Opportunities through Immersive Technologies. *American Association of Geographers 114th Annual Meeting*. Washington, DC: April 5.
- 2019 Digital Map Making for Science Journalists. *Science Writers 2019*. Pre-conference workshop. State College, PA: October 25.

Fellowships, Scholarships, Grants, and Awards

- 2021 International Cartographic Association U.S. National Committee Travel Grant
North American Cartographic Information Society Travel and Participation Grant
E. Willard Miller Award
Ruby S. Miller Endowment for Geographic Excellence Academic Enrichment Award

- 2019 International Cartographic Association Scholar
 Ruby S. Miller Endowment for Geographic Excellence Academic Enrichment Award
 International Cartographic Association U.S. National Committee Travel Grant
 Penn State Global Programs Graduate Student Travel Grant
- 2018 Penn State Graduate Enrichment Fellowship
- 2017 Penn State Graduate School Academic Year Fellowship
- 2016 Barnhart-Withington Endowment Research Award
- 2015 University of Kentucky Graduate School Academic Year Fellowship

Service

- 2020 - Editorial Board - Social Media Editor, *Journal of Maps*
 Present
- 2020 Student Director, Cartography Specialty Group, *American Association of Geographers*
 Graduate Representative, *College of Earth and Mineral Sciences Sustainability Council*, The Pennsylvania State University
 Geography Representative, *College of Earth and Mineral Sciences Graduate Student Council*, The Pennsylvania State University
- 2019 Delegate, College of Earth and Mineral Sciences, *The Pennsylvania State University Graduate & Professional Student Association*
- 2018 Resident Program Committee, *Department of Geography*, The Pennsylvania State University
- 2017 Editorial collective member, *disClosure: A Journal of Social Theory*
 GIS Laboratory Advisory Committee, *Department of Geography*, University of Kentucky
- 2016 Geotechnologies Committee, *Department of Geography*, University of Kentucky
- 2014 GIS Intern, *Planning and Development Review Department*, City of Austin