

# Peter T. Dunn

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*Curriculum Vitae (updated November, 2022)*

*Scholar of cities and technology, with interests in urban mobility, planning and political theories, science & technology studies, urban design, public space, data visualization, and cartography. Qualitative researcher. Experienced teacher in urban planning core curriculum and emerging topics. Facilitator of interdisciplinary conversations.*

## Appointments

- 2022 – present    Lecturer, Department of Landscape Architecture & Regional Planning  
Program Director, B.S. Sustainable Community Development  
University of Massachusetts Amherst
- 2015 – 2022      Graduate Student Employee, Department of Urban Design & Planning  
University of Washington

## Education

- 2022              Ph.D., University of Washington  
Interdisciplinary Program in Urban Design and Planning  
Certificate in Science, Technology, & Society Studies
- Dissertation:* “Personal Digital Urbanism: The Promise and the Mess of  
New Mobility Technologies”  
*Committee:* Mark Purcell (chair), Branden Born, Sarah Elwood,  
Megan Finn
- 2010              M.Sc. with Distinction, London School of Economics  
City Design and Social Science
- Thesis:* “Situating a new main street: The space and scope of H Street’s  
commercial development”  
*Advisor:* Fran Tonkiss
- 2005              B.A. with Distinction, University of Virginia  
Major in religious studies, minor in architecture

## Peer-Reviewed Journal Articles

- 2022              Hintze, A. & Dunn, P.T. Whose interest will artificial intelligence serve?  
Autonomous agents in infrastructure use. *Journal of Mega Infrastructure  
and Sustainable Development*, 0(0), 1–16.  
<https://doi.org/10.1080/24724718.2022.2131092>
- 2021              Dunn, P.T., Autonomous people: Identity, agency, and automated driving.  
*Journal of Urban Technology*, 28(3-4), 25–44.  
<https://doi.org/10.1080/10630732.2021.1950104>

- 2020 Dunn, P.T., Participatory infrastructures: The politics of mobility platforms. *Urban Planning*, 5(4), 335–346.  
<https://doi.org/10.17645/up.v5i4.3483>
- 2016 Dunn, P.T., Ahn, A.Y.E., Bostrom, A. & Vidale, J. Perceptions of earthquake early warnings on the U.S. West Coast. *International Journal of Disaster Risk Reduction*, 20, 112–122.  
<https://doi.org/10.1016/j.ijdr.2016.10.019>

#### Peer-Reviewed Book Chapter

- 2022 Carver, E.H., Dunn, P.T., Idziorek, K., Nguyen, L.T., & Umbanhowar, E.. Making sense of an emergent crisis: The case of the Pandemic Urbanism Symposium. In Y. Yang, Y. & A. Taufen (Eds.), *Routledge Handbook of Sustainable Cities and Landscapes in the Pacific Rim* (pp. 869 – 880).  
<https://doi.org/10.4324/9781003033530-73>

#### Conference Papers, Presentations, and Session Organization

- 2022 Dunn, P.T. Regulation by datafication: Relations of infrastructures and platforms in urban mobility. *Paper presented at the Association of Collegiate Schools of Planning annual conference, Toronto.*
- 2022 Dunn, P.T. The promise of certainty: Lessons from apps and travelers. *Presentation to the UW College of Built Environments PhD Symposium.*
- 2022 Dunn, P.T. Transcending the concrete: Promise in the datafication of mobility infrastructures. *Paper presented at the annual meeting of the American Association of Geographers (virtual).*
- 2021 Dunn, P.T. The promise of plans: Affect, desire, and collective futures. *Paper presented at the Association of Collegiate Schools of Planning annual conference (virtual).*
- 2021 Co-organizer and discussant, “Pedagogical spaces of the pandemic.” *Paper session at the annual meeting of the American Association of Geographers (virtual).*
- 2020 Dunn, P.T. Planning for/by Platforms. *Paper presented at the Association of Collegiate Schools of Planning annual conference (virtual).*
- 2020 Organizer, “A raised level surface’: The promise and perils of platforms.” *Paper session at the annual meeting of the American Association of Geographers (cancelled due to Covid-19).*
- 2019 Dunn, P.T. Digitized publics: Decoding the political norms of app-based urban mobility. *Paper presented at the Association of Collegiate Schools of Planning annual conference, Greenville, S.C.*

- 2019 Dunn, P.T. Enacting digital information: User knowledge and behavior in app-mediated urban mobility. *Paper presented at the annual meeting of the American Association of Geographers, Washington, D.C.*
- 2018 Dunn, P.T. Digital ordering of public space: The city, software, and exclusion. *Paper presented at the annual meeting of the American Association of Geographers, New Orleans.*
- 2017 Dunn, P.T. The Missing Map: Specifications for an imagined, impossible critical GIS app. *International Cartographic Conference, Washington, DC. (Abstract accepted, unable to present)*
- 2017 Dunn, P. Attending algorithms: Visibility and care in the software-mediated city. *Paper presented at the annual meeting of the American Association of Geographers, Boston.*
- 2016 Dunn, P. Seeing and being seen: boundaries of attention in the software-mediated city. *Paper presented at the Critical Geographies Mini-Conference, Seattle.*
- 2016 Dunn, P., Abramson, D., & Bostrom, A. Communicating uncertain community vulnerability with probabilistic tsunami hazard maps. *Paper presented at the annual meeting of the American Association of Geographers, San Francisco.*
- 2015 Bostrom, A., Dunn, P., Ahn, A., & Vidale, J. Perceptions of earthquake early warnings on the U.S. West Coast. *Paper presented at the International Research Committee on Disasters, Natural Hazards Workshop. Boulder, Colo.*

### Awards and Fellowships

- 2019 Outstanding PhD Student Award, Department of Urban Design and Planning, University of Washington.
- 2019 Outstanding Service Award, Department of Urban Design and Planning, University of Washington.
- 2014 Hall-Ammerer Washington Research Foundation Fellowship Award (~\$44,000)
- 2010 M.Sc. with Distinction, London School of Economics
- 2009 London School of Economics Graduate Support Scheme Award (£6,600)
- 2005 B.A. with Distinction, University of Virginia
- 2003 Intermediate Honors, University of Virginia
- 2001–2003 Dean's List (5 semesters), University of Virginia
- 2001–2005 Gay & Erskine Love Foundation Scholarship Award (\$20,000)

## Funded Research

- 2020 Research Assistant, Updating Washington's Growth Policy Framework. Funded by Washington State Department of Commerce.
- 2015–2016 Research Assistant, M9 Project (*Seismic hazards planning in the Pacific Northwest*). NSF grant EAR-1331412.

## Invited Lectures, Seminar Presentations

*At the University of Washington, Seattle, unless otherwise indicated.*

- 2022 “The Promise and the Mess of Digital Urbanism.” Invited lecture at Zube lecture series, University of Massachusetts, Amherst.
- 2021 “The politics of urban technologies: An intellectual journey with STSS.” Presentation to the science, technology & society studies program.
- 2020 “Mobility apps and the politics of platform urbanism.” Presentation to the research seminar of the PhD program in urban design & planning.
- 2017 “Digital politics, digital polis: In need of a critical research agenda for urban software.” Presentation to the research seminar of the PhD program in urban design & planning.
- 2016 “Probabilistic communication in hazard planning.” Presentation to seismic hazards researchers with M9 Project (with Alex Grant and Mike Greenfield).
- 2016 “Uncertain maps.” Presentation to the research seminar of the PhD program in urban design & planning.
- 2015 “Public perceptions of earthquake early warning.” Presentation to seismic hazards researchers with M9 Project (with Alicia Ahn).
- 2013 “Graphic design for wayfinding.” Invited lecture at New Hampshire Institute of Art.
- 2013 “Reimagining transit maps.” Invited presentation at data visualization event for Young Professionals in Transportation, Boston.

## Symposium Organization

- 2020 Co-organizer, “Pandemic Urbanism.” *Virtual symposium with 50 presenters and ~800 attendees* (May 29). [pandemicurbanism.com](http://pandemicurbanism.com)
- 2018 Member, Planning Committee for the Interdisciplinary Ph.D. Program in Urban Design and Planning's Annual Symposium. *Theme: “Urban Growth and Social Justice,” Keynote: Leonie Sandercock* (May 4).
- 2017 Member, Planning Committee for the Interdisciplinary Ph.D. Program in Urban Design and Planning's Annual Symposium (May 4).

- 2016 Member, Planning Committee for the Critical Geographies Mini-Conference (October 22).
- 2016 Moderator, “Drivers of Urban Change” panel. Interdisciplinary Ph.D. Program in Urban Design and Planning’s Annual Symposium. (UW)
- 2016 Chair, Planning Committee for the Interdisciplinary Ph.D. Program in Urban Design and Planning’s Annual Symposium. *Theme: “The Future City,” Keynotes: Luis Bettencourt and Carlo Ratti* (May 5).
- 2015 Co-organizer and participant, Mapping Hazard Information with Uncertainty Workshop, M9 Project, funded by NSF (Sept. 1–4).

### Classes Taught

*“UW” denotes the University of Washington, Seattle.*

*“UMass” denotes the University of Massachusetts, Amherst*

- 2022 City Planning  
*UMass; Undergraduate core; Modification of existing course*
- 2022 Planning History & Theory  
*UMass; MRP core; Modification of existing course*
- 2021–2022 Digital Design Practicum  
*UW; Undergrad elective; Modification of existing course*
- 2020 Cities & Epidemics  
*UW; Undergrad/Graduate elective; Developed new course*
- 2020 Communication and Analysis  
*UW; MUP core; Modification of existing course*
- 2017–2018 Public Space, Public Life  
*UW; Undergrad/Graduate elective; Developed new course*

### Teaching Assistant positions

*All at the University of Washington, Seattle.*

- 2021 Digital Design Practicum  
*MUP core*
- 2018–2020 Legal and Administrative Framework for Planning  
*MUP core; Instructors Charles Wolfe, Tim Trohimovich*
- 2019 Research Seminar  
*MUP core, thesis research design; Instructor Branden Born*
- 2019 Planning Studio Prep  
*MUP core, community-driven studio; Instructor Branden Born*

2018	Survey of Urban Planning <i>MUP core; Instructor Christine Bae</i>
2017	Introduction to GIS <i>Undergrad/Graduate elective</i>
2017	Introduction to Urbanization <i>Undergrad elective; Instructor Mark Purcell</i>
2017	Theories and Methodologies of Planning <i>MUP core; Instructor Christine Bae</i>
2016	Disasters by Design <i>Undergrad elective under development; Instructor Dan Abramson</i>
2016	Urban Design Studio <i>MUP distribution requirement; Instructor Dan Abramson</i>

### Advising

2022 – Present	Advisor to ~90 students majoring or minoring in Sustainable Community Development at the University of Massachusetts, Amherst.
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### Service

2022	Reviewer, <i>Journal of Mega Infrastructure &amp; Sustainable Development</i>
2022	Reviewer, <i>International Journal of Artificial Intelligence</i>
2022	Reviewer, <i>Journal of Urban Technology</i>
2021	Reviewer, <i>International Journal of Communication</i>
2019, 2021	Reviewer, Community, Environment & Planning program senior projects
2020–2021	Team Mentor, Sensol Systems, NSF Innovation Corps Program
2019–2020	Member, “Diversity, Equity, and Inclusion” working group in review of new Master of Urban Planning curriculum
2019	Reviewer, <i>Urban Planning</i>
2018	Sponsor for undergraduate senior project
2016–2019	Student Representative, Steering Committee for the Interdisciplinary Ph.D. Program in Urban Design and Planning

### Reports

2020	Updating Washington’s Growth Policy Framework ( <i>with Joe Tovar, Branden Born, et al. at UW Center for Livable Communities</i> )
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*Technical assistance reports for the Metropolitan Area Planning Council:*

- 2013 Battle Road Scenic Byway Committee Report
- 2013 Regional GIS Orthoimagery Procurement Report
- 2013 Ashland-Hopkinton Fire Services Collaboration Interim Report
- 2013 Regional 911 Project Management Interim Report

**Mapping and Data Visualization Projects**

*Select experimental representations of transportation systems, many featured in local and national media. View at [stonebrowndesign.com](http://stonebrowndesign.com).*

- 2014 Travel-time diagram of San Francisco Bay Area transit
- 2013 Greater Los Angeles Area freeway diagram
- 2013 Travel-time diagram of MBTA commuter rail
- 2012 Travel-time diagram of Boston's T
- 2011 Spider diagram of Washington, DC neighborhood buses
- 2011 Appalachian Trail, simplified

**Professional Experience**

- 2012–2014 Municipal Services Specialist, Metropolitan Area Planning Council (Boston, Mass.)
- 2011–2012 Knowledge Network Manager, International City/County Management Association (Washington, D.C.)
- 2006–2008 Consultant, Intrepid Learning Solutions (Seattle, Wash.)

**Software Competencies**

ArcGIS, QGIS, R, Stata, Atlas.ti, SketchUp, Adobe Illustrator, Adobe InDesign, Adobe Photoshop, WordPress, Zotero.

**References**

Mark Purcell  
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[mpurcell@uw.edu](mailto:mpurcell@uw.edu)

Branden Born  
Associate Professor, Urban Design & Planning, University of Washington.  
[bborn@uw.edu](mailto:bborn@uw.edu)

Sarah Elwood  
Professor, Geography, University of Washington.  
[selwood@uw.edu](mailto:selwood@uw.edu)

Megan Finn  
Associate Professor, Information School, University of Washington.  
[megfinn@uw.edu](mailto:megfinn@uw.edu)