Peter T. Dunn

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Curriculum Vitae (updated September 2023)

Scholar of cities and technology, with interests in planning and political theories, science & technology studies, transportation, urban design, public space, data visualization, and cartography. Qualitative researcher. Teacher of cities, planning, and sustainability, in core curriculum and emerging topics. Undergraduate advisor and program administrator.

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, Seattle

Education

2022	Ph.D., University of Washinton 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" *Winner of the Outstanding Dissertation in Digital Geographies award from the American Association of Geographers.* *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, 2*(S1), S21–S36. 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/10.1080/10630732.202m.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.ijdrr.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, & 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 and Presentations

2023	Dunn, P.T. The promise and the mess: Planning with digital technologies. *Paper presented at the Association of Collegiate Schools of Planning annual conference, Chicago.*
2023	Dunn, P.T. Visions and visibility in mobility data. *Paper presented at the International Conference on Computational Urban Planning and Urban Management, Montreal.*
2023	Dunn, P.T. Affect and politics in anticipatory data infrastructures. *Paper presented at the annual meeting of the American Association of Geographers, Denver.*
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).*

2020	<u>Dunn, P.T.</u> Planning for/by Platforms. *Paper presented at the Association of Collegiate Schools of Planning annual conference (virtual).*
2019	<u>Dunn, P.T.</u> 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	<u>Dunn, P.T.</u> 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	<u>Dunn, P.T.</u> 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	*<u>Dunn, P.T.</u> The Missing Map: Specifications for an imagined, impossible critical GIS app. *International Cartographic Conference, Washington, DC. (Abstract accepted, unable to present)*
2017	<u>Dunn, P.</u> Attending algorithms: Visibility and care in the software-mediated city. *Paper presented at the annual meeting of the American Association of Geographers, Boston.*
2016	<u>Dunn, P.</u> Seeing and being seen: Boundaries of attention in the software-mediated city. *Paper presented at the Critical Geographies Mini-Conference, Seattle.*
2016	<u>Dunn, P.</u>, 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., <u>Dunn, P.</u>, 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

2023	Outstanding Dissertation in Digital Geographies, American Association of Geographers
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 – 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.

Conference & Symposium Organization

2021	Co-organizer and discussant, "Pedagogical spaces of the pandemic." *Paper session at the annual meeting of the American Association of Geographers (virtual).*
2020	Co-organizer, "Pandemic Urbanism." *Virtual symposium with 50 presenters and ~800 attendees* (May 29). pandemicurbanism.com
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).*
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

2023	Sustainable Cities *UMass; Undergrad/Graduate elective; Modification of existing course*
2023	History of Sustainable Community Development *UMass; Undergraduate core; Modification of existing course*
2023	Introduction to Geographic Information Systems for Planners *UMass; MRP core; Modification of existing course*
2022 – 2023	City Planning *UMass; Undergraduate core; Modification of existing course*
2022 – 2023	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

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

Service & Student Mentorship

2022 – Present	Undergraduate Program Director, B.S. Sustainable Community Development (UMass)
2022 – Present	Academic Advisor to ~90 current students (UMass)

2023	Member, PhD exam & MRP thesis committees (UMass)
2023	Faculty sponsor, undergraduate research project (UMass)
2019, 2021	Reviewer, undergraduate capstone projects (UW)
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 (UW)
2018	Sponsor, undergraduate capstone project
2016 – 2019	Student Representative, Steering Committee for the Interdisciplinary Ph.D. Program in Urban Design and Planning (UW)

Peer Reviews

2023	*European Journal of Geography*
2021, 2023	*International Journal of Communication*
2023	*International Conference on Computational Urban Planning and Urban Management*
2022	*Journal of Mega Infrastructure & Sustainable Development*
2022	*International Journal of Artificial Intelligence*
2022	*Journal of Urban Technology*
2020	*Routledge Handbook of Sustainable Cities and Landscapes in the Pacific Rim* (Routledge, 2022)
2019	*Urban Planning*

Reports

2020	Updating Washington's Growth Policy Framework *(with Joe Tovar, Branden Born, et al. at UW Center for Livable Communities)*

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.

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

2022 – 2023	Technical assistance, MobilityData
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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Branden Born
Associate Professor, Urban Design & Planning, University of Washington.
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Sarah Elwood
Professor, Geography, University of Washington.
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Megan Finn
Associate Professor, Information School, University of Washington.
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