

Robert B. Binder, Ph.D.

Visiting Assistant Professor
Community and Regional Planning
University of Oregon

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EDUCATION

- Ph.D.** **Urban Planning & Development**, University of Southern California, 2025
Dissertation: "Brushing Shoulders: In-Transit Social Interactions and Intersecting Identities in LA & Detroit"
Committee Members: Dr. Genevieve Giuliano, Dr. Marlon Boarnet, Dr. Emily Zeamer
- MCRP** **City & Regional Planning**, Georgia Institute of Technology, 2018
- B.S.** **Civil & Environmental Engineering**, Michigan State University, 2013
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ACADEMIC EXPERIENCE

- Urbanism Next | University of Oregon** – Senior Key Personnel/Researcher
Eugene, OR, January 2025 - Current
- School of Planning, Public Policy, & Management | University of Oregon** – Visiting Assistant Professor
Eugene, OR, September 2024 - Current
- METRANS Transportation Center | University of Southern California** – Research Assistant
Los Angeles, CA, August 2019 - September 2024
- National Institute for Environmental Studies of Japan** – Walkability and Social Researcher
Tsukuba, Ibaraki, Japan, May 2018 - August 2019
- School of Civil & Environmental Engineering | Georgia Institute of Technology** – Research Assistant
Atlanta, GA, August 2017 - May 2018
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INDUSTRY EXPERIENCE

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|---|--|
| T. Simpson Consulting – Senior Advisor
<i>Bordeaux, FR, June 2024 - Current</i> | Kimley-Horn – Transportation Planning Analyst
<i>Atlanta, GA, July 2013 - July 2017</i> |
| Oxus Design, LLC. – Principal/Founder
<i>Los Angeles, CA, August 2017 - Current</i> | Port Authority of NY & NJ – Transport Intern
<i>New York, NY, May 2012 - August 2012</i> |
| Sycamore Consulting – Project Manager
<i>Decatur, GA, August 2017 - August 2019</i> | Macomb County Dept. of Roads – GIS Intern
<i>Macomb, MI, June 2011 - August 2011</i> |
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AWARDS

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| 2024 | Raymond C. Miller American Public Transportation Foundation (APTF) Scholarship |
| 2023 | National Center for Sustainable Transportation (NCST) Outstanding Student of the Year |
| 2023 | American Public Transportation Foundation (APTF) Board Scholarship |
| 2023 | Railway Association of Southern California Scholarship Award |
| 2021/2022 | Dwight David Eisenhower Transportation Fellowship Program Graduate Fellowship |
| 2017/2018 | National Institute for Transportation and Communities Scholar |
| 2016 | Kimley-Horn Outstanding Project Team – SE Planning Team |
| 2015 | Kimley-Horn Outstanding Project Team – SR 400 Project |
| 2014 | Atlanta PEDs Golden Shoe Award – DeKalb County Comprehensive Transportation Plan |
| 2012 | Michigan State University Lorax Award for Sustainable Design – Senior Design Project |
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SKILLS

Design – Adobe Suite, SketchUp, CAD, Sketching
GIS – ArcGIS, QGIS, Access, Data Management

Coding – Stata (Int.); R (Int.); Python (Beg.)
Models – Vissim, Visum, Synchro, Cube, MATSim

JOURNAL ARTICLES

- 2026 Binder, R. **Transit as Public Space: A Mechanism for Bonding and Bridging Social Capital.** (*Transportation Research: Part A* or similar journal) (WORKING ARTICLE).
- 2026 Binder, R.B. **Politics Aside, Let's Think Bigger on Transit.** (WORKING ARTICLE/OP-ED).
- 2025 Binder, R., Channing, M., & Larco, N. **Shifting Spaces: Land Use, Zoning, and Design Adaptations in the Autonomous and Shared Mobility Era.** (WORKING ARTICLE).
- 2019 Binder, R. B., Lancaster, Z., Tobey, M., Jittrapirom, P., & Yamagata, Y. **Transport modeling with a purpose: How urban systems design can bridge the gaps between modeling, planning, and design.** *WIT Transactions on the Built Environment*, 186, 85-96.
- 2019 Tobey, M. B., Binder, R. B., Yoshida, T., & Yamagata, Y. **Urban systems design case study: Tokyo's Sumida ward.** *Smart Cities*, 2(4), 453-470.
- 2019 Tobey, M. B., Binder, R. B., Chang, S., Yoshida, T., Yamagata, Y., & Yang, P. P. **Urban systems design: a conceptual framework for planning smart communities.** *Smart Cities*, 2(4), 522-537.
- 2019 Yamagata, Y., Murakami, D., Wu, Y., Yang, P. P. J., Yoshida, T., & Binder, R. **Big-data analysis for carbon emission reduction from cars: Towards walkable green smart community.** *Energy Procedia*, 158, 4292-4297.
- 2019 Lancaster, Z. S., Binder, R. B., Matsui, K., & Yang, P. **Developing a theory of an object-oriented city: Building energy for urban problems.** *Energy Procedia*, 158, 4210-4217.
- 2019 Tobey, M. B., Chang, S., Binder, R. B., & Yamagata, Y. **Typologies of Rapid Urbanization in Developing Asian Countries: A Study of Shanghai's Rapid Urbanization and Subsequent Strategies.** In *IOP Conference Series: Earth and Environmental Science* (Vol. 294, No. 1, p. 012097). IOP Publishing.

WORKING BOOKS

- 2026 Binder, R.B. **Brushing Shoulders: The Social Implications, Intersecting Identities, and Collective Effervescence of Public Transit in Los Angeles and Detroit.** (Book manuscript in preparation; seeking contract).

BOOK CHAPTERS

- 2025 Binder, R. B., Giuliano, G., & Ha, J. **Curb Management for More Efficient Deliveries.** In *Transportation Mobility in Smart Cities* (pp. 297-319). Cham: Springer Nature Switzerland.
- 2020 Binder, R. B., Tobey, M. B., Jittrapirom, P., Steidl, P. J., Yamagata, Y., & Yang, P. P. **Integrating mobility in urban design.** In *Urban Systems Design* (pp. 125-162). Elsevier.
- 2020 Fourie, P. J., Jittrapirom, P., Binder, R. B., Tobey, M. B., Medina, S. O., Maheshwari, T., & Yamagata, Y. **Modeling and design of smart mobility systems.** In *Urban Systems Design* (pp. 163-197). Elsevier.
- 2020 Yamagata, Y., Yang, P. P., Chang, S., Tobey, M. B., Binder, R. B., Fourie, P. J., ... & Aleksejeva, J. **Urban systems and the role of big data.** In *Urban Systems Design* (pp. 23-58). Elsevier.

CONFERENCE PROCEEDINGS

- 2020 Chang, S., Yoshida, T., Binder, R. B., Yamagata, Y., & Castro-Lacouture, D. **Energy sharing boundaries integrating buildings and vehicles tangled in spatial and temporal changes.** In

- Construction Research Congress 2020 (pp. 434-443). Reston, VA: American Society of Civil Engineers.
- 2019 Binder, R., Chang, S., Tobey, M. B., Zilske, M., & Yamagata, Y. **The smart hub concept: developing the relationship between human mobility and energy consumption in Tokyo.** In International Conference on Applied Energy 2019.
- 2019 Tobey, M. B., Chang, S., Yoshida, T., Binder, R. B., & Yamagata, Y. **MEASURING RESILIENCE, ECONOMY, SUSTAINABILITY, AND HUMAN WELL-BEING IN MULTIPLE SCALES FOR URBAN DIAGNOSTICS.** In International Conference on Applied Energy 2019.
- 2018 Binder, R., Garrow, L. A., German, B., Mokhtarian, P., Daskilewicz, M., & Douthat, T. H. **If You Fly It, Will Commuters Come? A Survey to Model Demand for eVTOL Urban Air Trips.** In 2018 Aviation Technology, Integration, and Operations Conference (p. 2882).

PROJECT REPORTS

- 2026 Acevedo, A., & Binder, R. **Pathways to Progress: Transportation Planning for People, Parking, and Public Spaces in the City of Tualatin.** University of Oregon, Sustainable Cities Institute.
- 2025 Larco, N., Binder, R., Channing, M.S., Brown, A. **Shifting Spaces: Understanding the Impacts of Autonomous Vehicles on Land Use.** Center of Excellence on New Mobility and Automated Vehicles, UCLA.
- 2025 Brown, A., Larco, N., & Binder, R. **Digital Curbs: Users, Opportunities, and Barriers to Ongoing Curb Management.** USDOT SMART Grants Program: Boston. Urbanism Next.
- 2025 Gallagher, C., Larkby, M., & Binder, R. **Connecting Communities: Recommendations for Micromobility and Transit Integration.** University of Oregon, Sustainable Cities Institute.
- 2025 Larkby, M., Sommer, M., & Binder, R. **Future in Motion: Building Community through Transportation.** University of Oregon, Sustainable Cities Institute.
- 2025 Weber, S., Binder, R. **Revitalizing Gresham's Historic Downtown Hub.** University of Oregon, Sustainable Cities Institute.
- 2024 Wei, D., Giuliano, G., Joy, A.H., Binder, R., Chakraverti, D., Rajwaday, S. **Economic Impacts of Investment in Public Truck Parking Facilities in California** (No. PSR-21-SP80). Pacific Southwest Region University Transportation Center (UTC).
- 2022 Giuliano, G., Boarnet, M., Jaller, M., Franco, W., Binder, R. B., Dexter, S., ... & Center, M. T. **Improving Environmental Justice and Mobility in Southeast Los Angeles** (No. PSR-18-SP91-Final Report). Pacific Southwest Region University Transportation Center (UTC).
- 2022 Giuliano, G., Fang, J., Binder, R. B., Ha, J., & Holmes, A. **Travel Behavior in E-commerce: Shopping, Purchasing, and Receiving** (No. NCST-USC-RR-22-37). National Center for Sustainable Transportation University Transportation Center (UTC).

CONFERENCE PRESENTATIONS

- 2025 Binder, R. & Larco, N. **Shifting Spaces: Land Use and Zoning Adaptations in the Autonomous and Shared Mobility Era.** ACSP Annual Conference. Minneapolis, MN.
- 2025 Binder, R. **The Role of Transit in Fostering Bonding and Bridging Social Capital.** Pacific Southwest Region UTC Annual Conference. UC Berkeley, Berkeley, CA.

- 2024 Binder, R. **Brushing Shoulders: In-Transit Social Interactions in Los Angeles & Detroit.** ACSP Annual Conference. Seattle, WA.
- 2024 Binder, R. **In-Transit Social Interactions in Los Angeles.** Pacific Southwest Region UTC Annual Conference. UNLV, Las Vegas, NV.
- 2023 Binder, R. **Brushing Shoulders: In-Transit Social interactions and Intersecting Identities in Los Angeles and Detroit.** ACSP Annual Conference. Chicago, IL.
- 2023 Binder, R. **When Lyft Becomes the Best Option: Interactions with near-captive riders in Detroit.** Pacific Southwest Region UTC Annual Conference. USC, Los Angeles, CA.
- 2023 Binder, R.B. & Giuliano, G. **An Ethnography of Transit through the Lens of Public Space Theory in Los Angeles.** WRSA Annual Conference. Big Island, Hawaii.
- 2022 Binder, R. & Giuliano, G. **Brushing Shoulders: An Ethnography of Transit through the Lens of Public Space Theory in Los Angeles & Detroit.** ACSP Annual Conference. Toronto, CA.
- 2021 Giuliano, G., Binder, R., Dexter, S., Randazzo, M., Blanco, H. **Reducing Impacts of Heavy-Duty Trucks in Communities of Color.** ACSP Annual Conference. Online.
- 2019 Binder, R. **Transport modeling with a purpose: How urban systems design can bridge the gaps between modeling, planning, and design.** Urban Transport. Aveiro, Portugal.
- 2018 Binder, R., Tobey, M., Yamagata, Y. **Energy and Mobility Modeling in Metropolitan Tokyo.** Council of Engineering Systems Universities (CESUN) Annual Meeting. Tokyo, Japan.

DOCUMENTARY & POSTER PRESENTATIONS

- 2024 Ha, J., Giuliano, G., Binder, R. **Use of Parcel Lockers and Travel Behavior.** Transportation Research Board Annual Meeting. Washington, DC.
- 2023 Binder, R. **An Ethnography of Transit Through the Lens of Public Space Theory in Los Angeles & Detroit.** Transportation Research Board Annual Meeting. Washington, DC.
- 2021 Binder, R. **The Digital Bathhouse.** Documentary. Premiered on Spectrum News. Dec 19.
- 2018 Ilbeigi, M., German, B., Garrow, L., Binder, R. **Conceptual Models of Demand for Electric Propulsion Aircrafts in Intra-Urban Markets.** Transportation Research Board Annual Meeting. (TRB 18-02552). Washington, DC.
- 2018 Steidl, P., Lancaster, Z., Binder, R. **Designing a Smart City: Tokyo 2020.** American Planning Association National Planning Conference. New Orleans, LA.

INVITED TALKS

- 2026 **"Shifting Spaces: Understanding the Impacts of Autonomous Vehicles on Land Use."** Urbanism Next Center webinar. Online. March 27.
- 2026 **"Brushing Shoulders: The Social Implications and Intersecting Identities of Public Transit."** Utah State, Civil & Environmental Engineering. Online. March 17.
- 2026 **"Digital Curbs: Users, Opportunities, and Barriers to Ongoing Curb Management."** Urbanism Next Center webinar. Online, Feb 27.
- 2026 **"Transportation Planning, Public Space, and Social Capital."** Human (Student Organization). Eugene, OR. Feb 26.
- 2025 **"Brushing Shoulders: The Social Implications and Intersecting Identities of Public Transit."** Institute for Policy Research and Engagement Seminar Series. Eugene, OR. Feb 13.

- 2025 **“The Life of a Transportation Professional.”** LiveMove Coffee Chats. Eugene, OR. Jan 13.
- 2022 **“Mobility Justice.”** PPD 634: Institutional and Policy Issues in Transportation. Los Angeles, CA. Oct 10.
- 2022 **“Social Interactions on Public Transit.”** PPD 634 - Institutional and Policy Issues in Transportation. Los Angeles, CA. Oct 03.
- 2021 **“Sustainability in Urban Planning.”** PPD 245 - The Urban Context. University of Southern California. Los Angeles, CA. Sept 24.
- 2021 **“Power and Politics: Equity and Justice in Urban Planning.”** PPD 245 - The Urban Context. University of Southern California. Los Angeles, CA. Sept 22.
- 2017 **“Connecting Meridian Township: Engaging with Transportation & Sustainability.”** Meridian Township Board of Commissioners. Meridian Township, MI. Oct 04.
- 2017 **“The Built Environment & Learning from Our Past.”** Environmental Engineering Society. Michigan State University. East Lansing, MI. Oct 03.
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COMPETITIVE GRANTS

- 2026-29 Designing Cities for People on Bikes, Study Abroad Program (\$196,095). Scan Design Foundation. Co-PI.
- 2024-26 Digitizing Boston’s Curb (\$228,129). USDOT SMART Grants Program. Senior Key Personnel/Researcher.
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TEACHING EXPERIENCE

Instructor of Record

- 2026 Designing Cities for People on Bikes *[Summer Study Abroad]*
- 2026 Qualitative Methods *[Grad; New Course]*
- 2025-26 Transportation Policy *[Undergrad/Grad]*
- 2025 Planning Theory & Ethics *[Grad]*
- 2025 Introduction to Public Policy
- 2025 Bicycle Transportation *[Undergrad/Grad]*
- 2025 Introduction to City Planning
- 2025 Visual Design for Applied Practice *[Grad]*
- 2024-25 Urban Transportation
- 2024 Visual Communications

Teaching Assistant

- 2022 The Urban Context
- 2019 Tokyo Smart City Design Studio *[Sumida & Shinagawa]*
- 2018 Tokyo Smart City Design Studio *[Sumida]*
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SERVICE TO THE UNIVERSITY

University of Oregon

- 2026 Studio Reviewer – Architecture *[Housing]*
- 2026 Faculty Advisor – Human *[student group]*
- 2024-26 Sustainable City Year Program (SCYP) Faculty Participant
- 2024-26 Faculty Advisor – LiveMove *[student group]*
- 2025 MCRP Admissions Committee
- 2024-25 MCRP Student Advising *[four students]*
- 2024-25 Faculty Mentor – Academic Residential Communities *[Sustainable Cities]*
- 2024-25 Research Methods Committee
- 2024-25 Travel, Internship, and Scholarships Task Force

University of Southern California

2021-24 Price Ph.D. Association – Co-President
2023 Price Leadership Receptions – Invited Member
2019-24 USC Rainbow Price – Member

Georgia Institute of Technology

2019 Studio Reviewer – Tokyo Smart City Design [*Sumida Ward & Shinagawa Ward*]
2018 Studio Reviewer – Tokyo Smart City Design [*Sumida Ward*]

MEMBERSHIPS

American Planning Association
Association for Collegiate Schools of Planning
American Public Transportation Association

JOURNAL PEER REVIEW

Journal of Public Transportation
World Electric Vehicle Journal

CREDENTIALS

Engineer-In-Training (EIT)

REFERENCES

Reference #1:

Dr. Genevieve Giuliano
University of Southern California
Email: giuliano@usc.edu
Phone: 1-714-335-6684

Reference #2:

Dr. Anne Brown
University of Oregon
Email: abrown33@uoregon.edu
Phone: 1-541-346-2112

Reference #3:

Nico Larco, AIA
University of Oregon
Email: nlarco@uoregon.edu
Phone: 1-503-412-3732

Reference #4:

Cristina Pastore, PE, AICP
Kimley-Horn and Associates, Inc.
Email: cristina.pastore@kimley-horn.com
Phone: 1-330-518-7072