

# Robert Goodspeed

Urban and Regional Planning Program  
Taubman College of Architecture and Urban Planning  
University of Michigan  
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## GENERAL INFORMATION

### Education

Ph.D., Urban and Regional Planning, Massachusetts Institute of Technology, 2013  
Dissertation: "Planning Support Systems for Spatial Planning Through Social Learning"  
Committee: Joseph Ferreira, Jr. (chair), Annette Kim, Brent Ryan  
*Donald Schön Award for Excellence in Learning from Practice*, 2013

Master of Community Planning, University of Maryland—College Park, 2008  
Final Paper: "Citizen Participation and the Internet in Urban Planning"  
*University of Maryland Larry Reich Award for Best Final Paper*, 2008

B.A. with High Distinction and High Honors, History, University of Michigan, 2004  
Thesis: "Urban Renewal in Postwar Detroit: The Gratiot Area Redevelopment Project"

### Academic Experience

*Assistant Professor of Urban Planning*. Ann Arbor, Michigan: University of Michigan, 2013-present.

### Professional Experience

*Research Consultant*. Boston, MA: Metropolitan Area Planning Council, 2011-2013.

*Rappaport Public Policy Summer Fellow*. Boston, MA: Mayor's Office of New Urban Mechanics, City of Boston, 2010.

*Research Analyst*. Boston, MA: Metropolitan Area Planning Council, 2008-2009.

*Co-Founder and Editor*. College Park, MD: Rethink College Park, 2006-2008.

*Information Group Summer Associate*. Washington, DC: The Urban Land Institute, 2007 and 2008.

*Research Historian*. Rockville, MD: History Associates Incorporated, 2006.

*Field Organizer, Internet Coordinator*. Washington, DC: People For the American Way, 2004-2005

## SCHOLARLY WORK

### Peer-Reviewed Journal Articles

Goodspeed, Robert. "Participatory E-Planning with Civic Crowdfunding: Donor Background, Involvement, and Social Capital Outcomes." *International Journal of E-Planning Research* 8 (2019): 68-87.

Robert Goodspeed, Anikka Van Eyl, Lynn Vaccaro. "Analyzing stakeholder's perceptions of uncertainty to advance collaborative sustainability science: Case study of the watershed assessment of nutrient loads to the Detroit River project." *Environmental Impact Assessment Review* 72 (2018): 145-156.

Goodspeed, Robert, Xiang Yan, Jean Hardy, V.G.Vinod Vydiswaran, Veronica J. Berrocal, Philippa Clarke, Daniel M. Romero, Iris N. Gomez-Lopez, Tiffany C. Veinot. "Comparing the Data Quality of GPS Devices and Smartphones for Assessing Relationships between Place, Mobility, and Health: A Field Study." *JMIR mHealth* 6 (2018): e168.

Shen, Ying, Philippa Clarke, Iris N Gomez-Lopez, Alex B Hill, Daniel M Romero, **Robert Goodspeed**, Veronica J Berrocal, VG Vinod Vydiswaran, Tiffany C Veinot. "Using Social Media to Assess The Consumer Nutrition Environment: Comparing Yelp Reviews With A Direct Observation Audit Instrument For Grocery Stores." *Public Health Nutrition* 22 (2019): 257-264.

Jean Hardy, Tiffany C Veinot, Xiang Yan, Veronica J Berrocal, Philippa Clarke, **Robert Goodspeed**, Iris N Gomez-Lopez, Daniel Romero, VG Vinod Vydiswaran. "User Acceptance of Location-Tracking Technologies in Health Research: Implications for Study Design and Data Quality." *Journal of Biomedical Informatics* 79 (2018): 7-19.

Goodspeed Robert, Hackel Cassie. "Lessons for Developing a Planning Support System Infrastructure: The Case of Southern California's Scenario Planning Model." *Environment and Planning B: Urban Analytics and City Science*. (2017).

Iris Gomez-Lopez, Philippa Clarke, Alex B. Hill, Daniel M. Romero, **Robert Goodspeed**, Veronica J. Berrocal, V.G. Vinod Vydiswaran, Tiffany C Veinot. "Using Social Media to Identify Sources of Healthy Food in Urban Neighborhoods." *Journal of Urban Health* (2017).

Goodspeed, Robert. "Research Note: An Evaluation of the Elo Algorithm for Pairwise Visual Assessment Surveys." *Landscape and Urban Planning* 157 (2017): 131-137.

Goodspeed, Robert. "Digital Knowledge Technologies In Planning Practice: From Black Boxes To Media For Collaborative Inquiry." *Journal of Planning Theory & Practice* 17.4 (2016): 577-600.

Goodspeed, Robert, Catherine Riseng, Kevin Wehrly, Wenting Yin, Lacey Mason, Benjamin Schoenfeldt. "Applying Design Thinking Methods to Ecosystem Management Tools: Creating the Great Lakes Aquatic Habitat Explorer." *Marine Policy* 69 (2016): 134-145.

Goodspeed, Robert. "Sketching and Learning: A Planning Support System Field Study." *Environment and Planning B* 43.3 (2016): 444-463.

Goodspeed, Robert. "Smart Cities: Moving Beyond Urban Cybernetics to Tackle Wicked Problems." *Cambridge Journal of Regions, Economy, and Society* 8.1 (2015): 79-92.

Goodspeed, Robert. "From Public Records to Open Government: Access to Massachusetts Municipal Geographic Data." *URISA Journal* 23.2 (2011): 21-32.

## Peer-Reviewed Book Chapters

Goodspeed, Robert and Peter Pelzer. "Organizing, Facilitating, and Evaluating Planning Support System Workshops." *Handbook on Planning Support Science*. Ed. Stan Geertman and John Stillwell. Edward Elgar. Forthcoming.

Goodspeed, Robert, Peter Pelzer, and Christopher Pettit. "Planning Our Future Cities: The Role Computer Technologies Can Play." *Planning Knowledge and Research*. Ed. Thomas W. Sanchez. New York: Routledge, 2018. 210-225.

Goodspeed, Robert, Joseph Grengs. "Domain Application: Urban and Regional Planning." *The GIS&T Body of Knowledge*. Ed. John Wilson. University Consortium for GIS. 2017. Published online: <http://gistbok.ucgis.org/bok-basic-page/welcome-gist-body-knowledge>

Goodspeed, Robert. "Urban Informatics: Defining an Emerging Field." *Big Data for Regional Science*. Eds. Laurie A. Schintler and Zhenhua Chen. New York: Routledge, 2018. 324-335.

Goodspeed, Robert, Xiang Yan. "Crowdsourcing street beauty: Visual Preference Surveys in the Big Data Era." *Big Data for Regional Science*. Eds. Laurie A. Schintler and Zhenhua Chen. New York: Routledge, 2018. 75-93.

Pelzer, Peter, Robert Goodspeed, Marco te Brömmelstroet. "Facilitating PSS Workshops: A Conceptual Framework and Findings from Interviews with Facilitators." *Planning Support Systems and Smart Cities*. Eds. S.C.M. Geertman, Joseph Ferreira, Robert Goodspeed, and John Stillwell. Berlin: Springer, 2015. 355-369.

## Books

Geertman, S.C.M., Joseph Ferreira, Robert Goodspeed, and John Stillwell, eds. *Planning Support Systems and Smart Cities*. Berlin: Springer, 2015.

## Peer-Reviewed Published Conference Papers

V.G.Vinod Vydiswaran, Daniel M. Romero, Xinyan Zhao, Deahan Yu, Iris Gomez-Lopez, Jin Xiu Lu, Bradley Iott, Ana Baylin, Philippa Clarke, Veronica Berrocal, **Robert Goodspeed**, Tiffany Veinot. "Bacon bacon bacon": Food-related tweets and sentiment in metro Detroit. In Proceedings of the 12th International AAAI Conference on Web and Social Media (ICWSM), 2018. To appear.

Goodspeed, Robert. "The Limited Usefulness of Social Media and Digital Trace Data for Urban Social Research." *When the City Meets the Citizen Workshop, Seventh International AAAI Conference on Weblogs and Social Media*. 2013, Cambridge, MA. AAAI Technical Report WS-13-04.

Goodspeed, Robert, Christian Spanring and Timothy Reardon. "Crowdsourcing as Data Sharing: A Regional Web-based Real Estate Development Database." *6th International Conference on Theory and Practice of Electronic Governance*. 2012, Albany, NY. New York, NY: ACM, 460-463.

## Scholarly Work Under Review

Goodspeed, Robert, Tian Xie, Tawanna Dillahunt, Josh Lustig. "An Alternative to Slow Transit, Drunk Driving, and Walking in Bad Weather: An Exploratory Study of Ridesourcing Mode Choice and Demand."

## Reports

Goodspeed, Robert, Lacey Sigmon, Douglas Plowman, Seul Lee. 2014. *Innovative Planning in the U.S.: Engaging Communities to Build Better Places*. Future Watch Report, Team Finland (Tekes/FinPro).

Goodspeed, Robert, Arthur Prokosch, Catherine Riseng, Lacey Mason, Kevin Werhly. 2014. *A Review of Great Lakes Web-Based Geospatial Information Tools*. Great Lakes Aquatic Habitat Framework Project.

Goodspeed, Robert. 2010. *Open Government Strategy for the City of Boston*. Mayor's Office of New Urban Mechanics. Policy Report.

## Other Published Work

Goodspeed, Robert. "Book Review: Urban Social Listening: Potential and Pitfalls for Using Microblogging Data in Studying Cities." *Journal of Urban Affairs* (2018).

Goodspeed, Robert. "Community and Urban Places in a Digital World." *City & Community* 16 (2017): 9-15.

Goodspeed, Robert. "The Death and Life of Collaborative Planning Theory." *Urban Planning* 1 (2016): 1-5.

Goodspeed, Robert. "Urban Democracy, One Click at a Time?" *Planning & Technology Today*. APA Technology Division, Spring 2014, 8-10.

Goodspeed, Robert. "Which Crowdsourcing?" *Planning & Technology Today*. APA Technology Division, Winter 2011, 11-12.

Goodspeed, Robert. "Citizens need voice in Detroit renewal." *The Detroit News*. June 2, 2011. Op-Ed.

## Grants

Principal Investigator, "Michigan Evictions: Assessing Data Sources and Exploring Determinants," University of Michigan Poverty Solutions Initiative, 1/2019-12/2019 (\$24,208).

Co-Investigator (with J. Newell). "Expanding Green Infrastructure as a Response to Environmental Injustice and Climate Change," University of Michigan School for Environment and Sustainability McIntire-Stennis Research Program, 10/2018-9/2020 (\$140,000).

Principal Investigator, "The Impacts and Benefits of Scenario Planning in Professional Planning Practice," Lincoln Institute of Land Policy, 4/2019-9/2019 (\$15,000).

Co-Investigator (with J. Lynch, T. Bills, P. Van Hentenryck), "SCC: Data-Informed Community Decision Making in Low-Income Communities for Resilient Mobility and Workforce Pipeline Solutions," National Science Foundation, 9/2018-8/2022 (\$1.4M).

Principal Investigator, "Groundwater Game Research Collaboration," Environmental Defense Fund, 9/2017-8/2018 (\$15,500).

Principal Investigator, "An Evaluation Framework and Instruments for Scenario Planning," Lincoln Institute of Land Policy, 5/2017-8/2017 (\$5,822).

Principal Investigator, "The Adoption of Intelligent Planning Infrastructures: The Southern California Scenario Planning Model," UM Office of Research and Taubman College, 3/2016-5/2017 (\$6,990).

Principal Investigator, "From Social Vulnerability and Neighborhood Effects to Planning Knowledge: Tools for Considering Social Equity in Scenario Planning," The Lincoln Institute of Land Policy, 8/2015-9/2016 (\$44,000).

Co-Investigator (with T. Veinot, V. Berrocal, P. Clarke, and D. Romero). "A 'Big Data' Approach to Understanding Neighborhood Effects in Chronic Illness Disparities." UMOR/Rackham Social Sciences Annual Institute, MCubed Diamond/Sloan Foundation and Moore Foundation, 5/2015-4/2016. (\$109,777).

Principal Investigator, "Scenario Planning Laboratory Exercises and Scenario Guide," The Sonoran Institute, 7/2014-2/2015 (\$4,167).

Conference Director, "#micitities: Technology Innovation in Michigan Municipalities and Beyond," Small Grants for Major Conferences, University of Michigan Office of Research, 7/2014 (\$2,500); Dean's Strategic Initiatives Fund, 7/2014 (\$500).

Principal Investigator, "Innovative Planning in the U.S." Finpro-Finland Trade Center, 4/2014-6/2014 (\$16,128).

Co-Investigator (with C. Riseng, K. Wehrly, E. Rutherford, L. Wang, and L. Mason). "Assessing Information Needs and Developing Tools for Great Lakes Ecosystem Management." University of Michigan Graham Sustainability Institute, 1/2014-8/2015 (\$214,602).

## Online Publications

Goodspeed, Robert. *Planetizen*. Blog Posts. Available online at <https://www.planetizen.com/user/10085> (Invited Contributor).

"More Than Money: Civic Crowdfunding for Participatory Community Development." (with Katie Lorah) 8 Dec. 2015.

"The Democratization of Big Data." 27 Feb. 2012.

"The Coming Urban Data Revolution." 1 Sept. 2011.

"Knowledge Management for Planning Organizations." 14 Feb. 2011.

"iPads for Planning?" 2 April 2010.

"The Future of American High Speed Rail: Regional and Slow." 13 Nov. 2009.

"Open Data: Coming to a City Near You?" 19 Oct. 2009.

"An iPhone in the City." 7 Sept. 2009.

"Census 2010: What's Happening Now and What to Expect." 20 July 2009.

"Making the Car Free Choice." 25 July 2009.

"The New Normative Planning." 10 June 2009.

"Why Is it So Hard To Build a Train?" 11 May 2009.

"A Twitter in the City." 8 April 2009.

"Whither the Regional Planning?" 29 March 2009.

"Should the Internet Replace Newspapers for Public Notices?" 28 Sept. 2008.

"The Origin of New Urbanism's Persistent Image Problem." 7 Sept. 2008.

"Getting the Transportation Infrastructure We Need." 6 June 2008.

"What Flavor of TEA Do You Want?" 28 March 2008.

"Smart Growth at the Grassroots, Part 2" 14 Feb. 2008.

"Smart Growth at the Grassroots, Part 1" 15 Jan. 2008.

"Considering a Smart Growth President." 9 Dec. 2007.

"Whither the Region? Good Question." 4 Nov. 2007.

"City Building the American Way." 10 Aug. 2007.

"Where Are the Star Planners?" 9 July 2007.

"The Urban Freeway Conundrum." 9 May 2007.

"How Can Planners Use the Web?" 7 April 2007.

"A Neotraditional Building Boom on Campus." 9 March 2007.

"Public Library in Limbo in Washington, DC" 22 Feb. 2007.

Goodspeed Update. Blog Posts. Available online at <http://goodspeedupdate.com/>.

## Book Reviews

- "Review: Sadik-Khan's *Streetfight*." 31 May 2016.
- "Review: Ehrenhalt's *The Great Inversion*" 10 June 2013.
- "Book Review: Rybczynski's *Last Harvest*" 28 Jan. 2009.
- "Review: *A Better Way to Zone*." 20 May 2008.
- "Review: Leinberger's *The Option of Urbanism*." 22 Jan. 2008.
- "Checking Out *The Failures of Integration*." 17 Dec. 2005.
- "Reviewing *The Great Society Subway: A History of the Washington Metro*." 21 March 2006.
- "Review: Richard Sennett's *The Uses of Disorder*." 10 Jan. 2006.

## Other Selected Posts

- "On Studying Planning in the Detroit Region." 13 March 2015.
- "The Enduring Relevance of Donald Schön." 20 Jan. 2015.
- "The Trouble with 'Civic Media' Studies." 31 May 2013.
- "Can Technology 'Transform' Cities and the Lives of the Poor?" 17 Dec. 2012.
- "Crowdfunding Urban Infrastructure: Can It Be Done?" 11 July 2012.
- "Which Cities Create Comprehensive Plans?" 21 March 2012.
- "Should The T Keep a Commuter Subsidy?" 9 Jan. 2012.
- "Rising Fares on Boston's Subway for Safety and Reliability." 19 Dec. 2011.
- "The Art (and Science?) of Designing Urban Planning Processes." 30 Sept. 2011.
- "Back to the Future for Modeling Urban Systems: Research Mirage or New Frontier?" 12 Aug. 2011.
- "Bike Sharing Coming to Boston: What Infrastructure is Needed?" 22 July 2011.
- "The Problems With 'Platforms.'" 28 March 2011.
- "Public Sector Innovation: learning From History." 10 Jan. 2011.
- "Zoning Conflict Heats Up In Cambridge." 21 Oct. 2010.
- "Public Sector Crowdsourcing: What's Possible?" 17 Oct. 2010.
- "Can We Implement O'Reilly's 'Government as a Platform'?" 13 Sept. 2010.
- "Could the Big Dig Have Cost Less?" 7 July 2010.
- "Lights Out for Free Public Goods?" 14 June 2010.
- "What Government Data Should be Transparent?" 11 May 2010.
- "Urban Planning as Computer Game in Boston's Chinatown." 7 May 2010.
- "Is Urban Planning Dead?" 25 April 2010.
- "Who Needs 'Centralized City Planning'? Everyone." 6 April 2010.
- "Why the T is Broke." 11 Jan. 2010.
- "What is Government 2.0?" 6 Jan. 2010.
- "Which Big City Has the Greenest Transportation Profile?" 4 Jan. 2010.
- "Simulating Our Petroleum-Dependent Future." 28 Oct. 2009.
- "Does Data Matter in Urban Policy?" 12 Oct. 2009.
- "Placeblogs and the Nonplace Urban Realm." 3 Sept. 2009.
- "High Speed Rail: Getting Our Money's Worth." 5 Aug. 2009.
- "The Intercity Bus is Back." 4 Aug. 2009.
- "One Small Step for Social Data?" 13 July 2009.
- "Proposals for Reforming DC's Advisory Neighborhood Commissions." 23 June 2009.
- "Learning from i-Neighbors." 27 May 2009.
- "Detroit and the Limits to Urban Decline." 23 March 2009.
- "National Planning for America's Cities." 20 May 2009.
- "Preservation Debate Rages over Silver Spring's Falkland Chase Apartments." 10 March 2009.
- "Nostalgia is Not Urban Planning." 2 March 2009.
- "Data and Decisions in Government." 1 March 2009.
- "Public Works and ... Internet Voting?" 3 Feb. 2009.
- "Will Electric Cars Fuel Urban Sprawl?" 13 Jan. 2009.
- "World Bank Policies and Public Participation." 10 Jan. 2009.
- "Where the (Brick) Sidewalk Ends." 3 Jan. 2009.
- "The Paradox of Cheap Parking, in Real Time." 18 Dec. 2008.
- "Searching for Philadelphia's Trinities." 2 Dec. 2008.

"Moving Beyond Highways." 17 Oct. 2008.  
"Tolls More Equitable than Sales Tax for Funding Freeways." 20 Aug. 2008.  
"NIMBYism, Urban Development, and the Public Involvement Solution." 28 July 2008.  
"Who's Prohibited from Public Transit?" 11 June 2008.  
"Climate Change: The Moral Imperative for Smart Growth." 25 April 2008.  
"An Architectural Aesthetic of Efficiency." 21 April 2008.  
"Are Expensive Parking Meters Fair?" 4 March 2008.  
"The Relevance and Irrelevance of Richard Sennett." 29 Nov. 2007.  
"Understanding the 1960s 'Civil Disorders.'" 1 Aug. 2007.

## Academic and Professional Conference Papers and Presentations

"Defining and Evaluating Scenario Planning Success," and "Scenario Planning Basics: Reflecting on the Theory and Value of Scenario Planning," 13 September 2019, Consortium for Scenario Planning Conference, Columbus, Ohio.

"Planning Sustainable Built Environments with Scenarios," 27 February 2019, Built Environment + Cities Lightning Talks, School for Environment and Sustainability, Ann Arbor, MI.

"Can we collaboratively plan the smart city?" 28 March 2019. Presented at The Ohio State University, City and Regional Planning 40th Anniversary Symposium, Columbus, Ohio.

"Fostering Collaboration in Collaborative Groundwater Management through Serious Gaming," 6 May 2019, Water@Michigan Conference, Ann Arbor, MI.

"Analyzing Stakeholder Uncertainty Perceptions to Advance Collaborative Sustainability Science: Case Study of the Watershed Assessment of Nutrient Loads to the Detroit River Project." *Michigan University-Wide Conference on Sustainability*. Ann Arbor, MI. 15 February 2018.

"State of Scenario Planning Practice: Evaluation Framework & Educational Resources for Practitioners and Students." *Consortium for Scenario Planning Annual Meeting*. Denver, CO. 8 November 2017.

"An Evaluation Framework for the Use of Scenarios in Urban Planning." *Conference of the Association of Collegiate Schools of Planning*. Denver, CO. 12-15 October 2017.

"From Social Vulnerability and Neighborhood Effects to Planning Knowledge: Tools for Considering Social Equity in Scenario Planning." National Planning Conference. New York, NY. 8 May 2017.

"Civic Crowdfunding: Internet Mobilization for Place-Based Collective Action." *Conference of the Association of Collegiate Schools of Planning*. Portland, OR. 3 November 2016.

"Using Envision Tomorrow for Scenario Planning." *Transportation Research Board Conference on the Use of Scenario Planning in Transportation*. Portland, OR. 16 August 2016.

"Civic Crowdfunding: Internet Mobilization for Neighborhood Collective Action." *Michigan Interactive and Social Computing (MISC) Annual Retreat*. Ann Arbor, MI. 29 April 2016. Keynote Speaker.

"Tools for Considering Social Equity in Scenario Planning." *Open Scenario Planning Tools Symposium*. Austin, TX: Scenario Planning Apps Network. 20 November 2015.

"Tools for Collaborative Inquiry: Technology for More Intelligent Urban Planning." Columbus, Ohio: Center for Urban and Regional Analysis, The Ohio State University. 20 October 2015.

"Planning Support Systems as Pragmatic Tools of Inquiry." *Conference of the Association of Collegiate Schools of Planning*. Houston, TX. 24 October 2015.

"Advanced Concepts in Crowdsourcing and Civic Crowdfunding," and "Introduction to Design Thinking." *Geothink Summer Institute*. Waterloo, Ontario, Canada: University of Waterloo. June 2015.

"Disruptive Innovations in Transportation Infrastructure: A Framework for Stakeholder Identification," *Network on European Communications and Transport Activities Research (NECTAR)*. Ann Arbor, MI, 14 June 2015.

"Scenario Planning Curriculum Update." *Open Planning Tools Group Symposium*. Silver Spring, MD: Scenario Planning Apps Network. 11 November 2014.

"Paradigms for Information Technology Research in Planning." *Conference of the Association of Collegiate Schools of Planning*. Philadelphia, PA, 1 November 2014.

"Crowdsourcing Street Beauty: A New Method for Visual Preference Surveys." *Workshop on Big Data and Urban Informatics*. Chicago, IL: University of Illinois at Chicago. August, 2014.

"Scenario Planning Tools: Introduction and Research." *National Planning Conference*. Atlanta, GA: American Planning Association. 28 April 2014.

"Scenario Planning Tools and Practice." *Moving Our Metro: Michigan Suburbs Alliance Conference and Annual Meeting*. Dearborn, MI. 15 November 2013.

"Local Public Health Information: Who Wants to Know What?" (with M. Arcaya, T. Reardon, K. Ito, J. Vogel, J. Buszkiewicz, T. Land and W. Li). *141<sup>st</sup> American Public Health Association Annual Meeting*. Boston, MA. 6 November 2013.

"New Tools for Participation in Planning: Theory, Representation & Emerging Practices." *Planning: Is There an App For That? Arizona APA Professional Development Workshop*. Phoenix, AZ. 15 November 2013. Webinar presentation.

"The Spaces of Urban Planning: Workshops, GIS, and Cities." *Society for Social Studies of Science Annual Meeting*. San Diego, CA. 12 October 2013.

"Computer Modeling for Social Learning in Land Use Planning." *Association of Collegiate Schools of Planning Annual Conference*. Cincinnati, OH. November 2012.

"Five Questions about Online Participation in Planning (and Five Hypotheses)." *Tools for Engagement Workshop*. New York, NY: Regional Plan Association and Lincoln Institute of Land Policy. New York, NY. 29 March 2012.

"Crowdsourcing Urban Planning?" *Virginia Tech Social Media for Planning Conference*. 22 April 2011. Pre-recorded webinar.

"Information Systems for Solving Wicked Urban Problems." *Urban Systems Collaborative Seminar Series*. 3 October 2011. Webinar presentation.

"Three 'Singular' Experiments in Participatory Democracy: Comprehensive Planning in Austin, Texas." *National Conference on Planning History*. Baltimore, MD: Society for American City and Regional Planning History. November 2011.

"The Dilemma of Online Participation: The Case of the Imagine Austin Comprehensive Plan." *Keeping up with Communication Technology: The Practical Use of Social Media*. Transportation Research Board Online Workshop. 21 September 2011. Webinar presentation.

"Rethinking the Urban Conversation: RethinkCollegePark.net." National Conference on Planning History. Oakland, CA: Society for American City and Regional Planning History. 17 October 2009.

"The Dilemma of Online Participation." Presentation at American Planning Association National Conference, Boston, MA, April 11, 2011.

"Internet Participation in Planning: Historical Context and a Framework for Discussion." *Princeton Summit on City Planning, Civic Engagement, and the Internet*. Princeton, NJ: Center for Information Technology Policy, Woodrow Wilson School of Public and International Affairs. 30 April 2009.

"Online Citizen Media in Three Cities: ArborUpdate.com, DCist.com, RethinkCollegePark.net." *CitMedia @SPJ Workshop at the Society of Professional Journalists and National Journalism Conference*. Washington, DC. October 2007.

## Other Presentations



“Civic Crowdfunding: Who Participates and Why?” Patronicity Webinar on *Harnessing Community Capital in an Era of Changing Tax Regulations*. 23 January 2018.

“Cultural Competency in Planning(?)” *People and Place*. Ann Arbor, MI: Cultural Competency Collective, 9 February 2016.

“Beyond Black Boxes: John Dewey as a Democratic STS Theorist,” *University of Michigan STS Mini-Conference*. Ann Arbor, MI. 20 March 2015.

“What Can GIS Do for You?,” *GIS Day*. Ann Arbor, MI. 19 November 2014.

“Civic Crowdfunding: A New Method of Participatory Community Development.” *#micities 2014*. Ann Arbor, MI, 4 October 2014.

“Urban Neighborhood Mapping Sector Introduction.” Presentation to Social Venture Fund, University of Michigan Stephen M. Ross School of Business. Ann Arbor, MI. January 20, 2014.

“Planning Support Systems for Scenario Planning.” Presentation to City of Ann Arbor Planning & Development and Systems Planning Staff. Ann Arbor, MI. December 5, 2013.

“Embodied Computation for Social Learning: Findings from Field Research on Planning Support Systems.” *Michigan Interactive & Social Computing Annual Retreat*. Ann Arbor, MI. 3 December 2013.

## TEACHING

### Courses Taught

A. Alfred Taubman College of Architecture and Urban Planning, University of Michigan

URP 506: Planning Methods – Quantitative Focus (Winter 2018, 2019)

URP 535: Introduction to Urban Informatics (Fall 2017)

UP 506: Introduction to Geographic Information Systems (Fall 2013, Winter 2014, Fall 2014, Winter 2015, Fall 2015, Fall 2016, Winter 2019)

UP 614: Collaborative Planning (Winter 2014, Fall 2014, Fall 2015, Fall 2016, Fall 2018)

UP 529: Scenario Planning: Theory and Practice (Winter 2015, Winter 2016, Fall 2018)

UP 529: Sustainability and Social Change (Winter 2016)

*Teaching Assistant*, Department of Urban Studies and Planning, Massachusetts Institute of Technology

11.S952: Economic Development Tools and Techniques (Spring 2013)

11.220: Quantitative Reasoning and Statistical Methods for Planning I (Spring 2012)

11.520: Introduction to Spatial Analysis and Workshop in GIS (Fall 2011, Fall 2012)

11.201: Gateway to the Profession of Planning (Fall 2010)

MIT Graduate Teaching Certificate, 2011

*Teaching Assistant*, Department of Plant Science and Landscape Architecture, University of Maryland

LARC 160: Introduction to Landscape Architecture (Fall 2006, Spring 2007, Fall 2008, Spring 2008)

*Instructor*, Honors Program, College of Literature, Sciences and the Arts, University of Michigan

HON 135.006: Student Activism and Social Change (Winter 2004)

### Thesis and Dissertation Committees

Undergraduate Thesis Advisor, 2018. Julia Berg. (UM Program in the Environment)

Ph.D. Dissertation Committee, 2018. Youyang Hou. (UM School of Information)

Ph.D. Dissertation Committee. Xiang Yan. (UM Urban and Regional Planning)

Ph.D. Dissertation Committee. Camille Barchers. (Georgia Tech, School of City & Regional Planning)

Ph.D. Dissertation Committee. Tom Logan. (UM College of Engineering)

Ph.D. Dissertation Committee. Seulgi Son. (UM Urban and Regional Planning)  
Ph.D. Dissertation Committee. Susan Grasso. (University of Delaware, Biden School of Public Policy & Administration)  
Ph.D. Qualifying Committee. Yuanqiu Feng. (School for Environment and Sustainability)  
Ph.D. Qualifying Committee. Daniel Phillips. (UM School for Environment and Sustainability)

## **SERVICE**

### **Committees**

#### **A. Alfred Taubman College of Architecture and Urban Planning, University of Michigan**

Spatial Analysis Laboratory Faculty Ad-Hoc Committee, 2014-present. Chair.  
Urban and Regional Planning Program, Master of Urban Planning Admissions Committee, 2014-2016  
Urban and Regional Planning Program, Curriculum Committee, 2015-2016, 2017-2018  
Urban and Regional Planning Program, Faculty Search Committee in Physical Planning, 2015  
Urban and Regional Planning Program, Research Committee, 2014-2016, 2017-2018  
Urban and Regional Planning Program, Diversity Committee, 2017-2018

#### **University of Michigan**

Urban Informatics Certificate Program, Faculty Committee, 2015- present. Chair.  
#micities Conference Planning Committee, 2014. Chair.  
#micities Conference Planning Committee, 2016. Member.

#### **MIT Department of Urban Studies and Planning**

Faculty Search Committee in Technology, Media, and Community Development, 2011–2012  
Doctoral Research Seminar Planning Committee, 2011–2012  
Organizing Committee Chair, PlanningTech@DUSP Conference, 2011

#### **University of Maryland Department of Urban Studies and Planning**

Dean Review Committee, School of Architecture, Planning, and Preservation, 2008  
East Campus Redevelopment Community Review Steering Committee, 2007–2008

### **Other University Service**

*Next House Graduate Resident Tutor.* Cambridge, MA: Massachusetts Institute of Technology. 2010–2013.

### **Professional Memberships**

American Institute of Certified Planners, 2017-present  
Urban and Regional Information Systems Association, 2010–present  
American Planning Association, 2006–present  
Executive Committee Member and Newsletter Editor, Technology Division, 2008–2015  
Society for American City and Regional Planning History, 2007–present

### **Academic Service**

Board of Directors. Computers in Urban Planning and Urban Management. 2018-present.

Ad-hoc reviewer for 32 journal articles (since 2013), including for publication in *Journal of Planning Education and Research*, *Journal of the American Planning Association*, *Landscape and Urban Planning*, *GeoForum*, *Environment and Planning B*, *Journal of Urban Technology*, *Computers, Environment, and Urban Systems*,

Ad-hoc reviewer of 12 research and book proposals (since 2013), including for the National Science Foundation, Routledge, and Elsevier.

## **Professional Service**

*Member, American Institute of Certified Planners (AICP), 2017-present*

*Board of Directors. Consortium for Scenario Planning. 2018-present*

*Board of Directors. PlaceMatters. Denver, CO: 2014–2018.*

*Site Planning Committee, POP-X Art Festival. Ann Arbor, MI: Ann Arbor Arts Center. 2015-2017.*

*Advisory Committee Member, On Board Project. Ferndale, MI: Michigan Suburbs Alliance, 2013–2014.*

*Legislative Committee Member. Boston, MA: Metropolitan Area Planning Council. 2010-2011*

## **HONORS & AWARDS**

Planetizen Top 25 Leading Thinker in Urban Planning Technology, 2011

Rappaport Public Policy Summer Fellowship, 2010

MIT Departmental Award for Contribution to Intellectual Life, 2010

MIT Presidential Fellowship, 2009-2010

University of Maryland Outstanding Master of Community Planning Student Award, 2008

University of Maryland Graduate Student Government Service Award, 2008

Winning Team Member, George Washington University Real Estate Case Competition, 2008

University of Michigan Student Leadership Legacy Award, 2004

University of Michigan James B. Angell Scholar, 2004

Gilder Lehrman Institute for American History Scholars Finalist, 2004

University of Michigan William J. Branstrom Freshman Prize, 2000