

# DEVON S. McASLAN

Sustainable Transport and Mobility  
Physical Resource Theory  
Department of Space, Earth, and Environment  
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## EDUCATION

**PHD, Urban and Regional Planning, 2018**  
University of Michigan, Ann Arbor, MI, USA

**MUEP, Urban and Environmental Planning, 2010**  
Arizona State University, Tempe, AZ, USA

**BA, Anthropology, 2006**  
University of Arizona, Tucson, AZ, USA

## RESEARCH AREAS

- Sustainable Transportation Planning
- Walkability + Public Transport
- Land Use Planning + Urban Design
- Sustainable Neighborhoods
- Transportation Justice + Social Equity
- Science, Technology + Society
- Governance of Emerging Technology
- Autonomous Vehicles + Smart Mobility
- Smart Cities + Urban Governance
- Responsible Innovation + Cities

## APPOINTMENTS

**Postdoctoral Researcher** in Sustainable Transport and Mobility, Physical Resource Theory, Department of Space, Earth, and Environment, Chalmers University of Technology, 2021 –

**Senior Sustainability Scientist**, Global Institute of Sustainability and Innovation, Arizona State University, 2020 –

**Faculty Associate**, The Polytechnic School and School for the Future of Innovation in Society, Arizona State University, Fall 2020

**Postdoctoral Research Associate**, Center for Smart Cities and Regions and School for the Future of Innovation in Society, Arizona State University, 2018 – 2020

## PUBLICATIONS

### PEER REVIEWED ARTICLES

**McAslan, Devon** and Stephen Buckman. 2019. "Water and Asphalt: The Impacts of Canals and Streets on the Development of Phoenix, Arizona, and the Erosion of Modernist Planning." *Journal of the Southwest*, 61 (3): 658-690. DOI: [10.1353/jsw.2019.0040](https://doi.org/10.1353/jsw.2019.0040).

**McAslan, Devon**. 2017. "Walking and Transit Use Behavior and Attitudes in Walkable Urban Neighborhoods." *Michigan Journal of Sustainability*, 5 (1): 51-71. DOI: [10.3998/mjs.12333712.0005.104](https://doi.org/10.3998/mjs.12333712.0005.104).

### IN REVIEW

**McAslan, Devon**, Farah Najar Arevalo, David King and Thaddeus Miller. (In Review) "Pilot Project Purgatory? Assessing Automated Vehicle Pilot Projects in U.S. Cities."

**McAslan, Devon**, Adam Gabriele and Thaddeus R. Miller. (In Review). "Planning and Policy Directions for Autonomous Vehicles in Metropolitan Planning Organizations (MPOs) in the U.S."

Rakhimova, Neyla, **Devon McAslan**, and David Pijawka. (In Review). "Measuring Child-Friendly Neighborhoods in Glendale, Arizona Using an Indicator Assessment Framework."

### BOOK CHAPTERS

**McAslan, Devon**. 2019. "Planning an Effective Transport System: Learning from Resident Transit Use Behavior and Perspectives." In *Transit Oriented Development and Sustainable Cities: Economics, Community and Methods*, edited by Richard Knowles and Fiona Ferbrache. Cheltenham, UK: Edward Elgar Publishing.

**McAslan, Devon**. 2015. "Assessing Urban Sustainability: Using Indicators to Measuring Progress" in *Sustainability for the 21<sup>st</sup> Century: Pathways, Programs and Policies*, edited by K. David Pijawka. Dubuque, IA: Kendall Hunt Publishing.

**McAslan, Devon**, Mihir Prakash, David Pijawka, Subhrajit Guhathakurta, and Edward Sadalla. 2013. "Measuring Quality of Life in Border Cities: The Border Observatory Project in the US-Mexico Border Region" in *Community Quality-of-Life Indicators: Best Cases VI*, edited by M. Joseph Sirgy, Rhonda Phillips and Don Rahtz. New York, NY: Springer.

Pijawka, David, Subhrajit Guhathakurta, Edward Sadalla, Kimberly Collins, Mihir Prakash, and **Devon McAslan**. 2013. "Urban Indicators for Border Areas: Measuring and Tracking Community Conditions in the U.S.-Mexico Border Region" in *Remaking Metropolis: Global Challenges of the Urban Landscape*, edited by Edward Cook and Jesus Lara. London, UK: Routledge.

### OTHER ARTICLES

Miller, Thaddeus and **Devon McAslan**. 2019. "Self-Driving Rideshare Service Waymo One Has Launched: What's Next for Cities?" Meeting of the Minds. <https://meetingoftheminds.org/self-driving-ride-share-service-waymo-one-has-launched-whats-next-for-cities-29661>.

## MANUSCRIPTS IN PROGRESS

**McAslan, Devon.** “Is Smart Transportation Sustainable? Assessing the Practices of Smart Mobility within the Framework of Public Interest Technology.”

King, David, **Devon McAslan**, Farah Najar Arevalo, and Thaddeus Miller. “Regional Planning Approaches to Emerging Technology: Evidence from Metropolitan Planning Organizations.”

**McAslan, Devon**, Farah Najar Arevalo, Thaddeus Miller, and David King. “Emerging Governance Frameworks for Autonomous Mobility: Evidence from AV Pilot Projects.”

**McAslan, Devon**, Farah Najar Arevalo, Thaddeus Miller, David King, Leah Kaplan, Mahmud Farooque. “Three approaches to planning for autonomous mobility: Boston, Phoenix and Washington, D.C.”

**McAslan, Devon**, Thaddeus Miller, Leah Kaplan, Mahmud Farooque. “Public Perception of Autonomous Mobility in Phoenix, Arizona.”

**McAslan, Devon.** “Public Transportation and Village Planning in Seattle: Towards Sustainable Neighborhoods.”

**McAslan, Devon.** “Variation in Walking Behavior in Walkable Urban Neighborhoods: A Case Study of the Seattle Urban Core.”

**McAslan, Devon.** “Walkability in the Seattle Urban Core: Resident Behavior, Perspectives and Attitudes in Compact Neighborhoods.”

## REPORTS AND WHITE PAPERS

Najar Arevalo, Farah, Thaddeus Miller, **Devon McAslan**, David King. 2021. “Emerging Technology Framework and Regional Transportation Plan White Paper.” Prepared for Maricopa Association of Governments.

**McAslan, Devon**, Farah Najar Arevalo, Thaddeus Miller, David King. 2021. “Emerging Technology and Smart Mobility Strategies for Planning a Smart Region.” Report prepared for Maricopa Association of Governments.

Stopher, Peter R., Tassio B. Magassy, Ram M. Pendyala, **Devon McAslan**, Farah Najar Arevalo, Thaddeus Miller. Forthcoming. “An Evaluation of the Valley Metro – Waymo Automated Vehicle Mobility-on-Demand (AV MOD) Demonstration Pilot. Prepared for Valley Metro.

**McAslan, Devon**, Farah Najar Arevalo and Thaddeus Miller. 2020. “Valley Metro Waymo Demonstration Program Interim Project Report: Results of Focus Groups and Policy Maker Roundtable.” Prepared for Valley Metro.

Miller, Thaddeus and **Devon McAslan**. 2018. “Autonomous Vehicles in Tempe: Opportunities and Risks.” White Paper prepared for the Tempe City Council.  
[https://ifis.asu.edu/sites/default/files/tempe\\_av\\_report\\_-\\_final.pdf](https://ifis.asu.edu/sites/default/files/tempe_av_report_-_final.pdf).

DeLeeuw, Andrew, Matthew Rust, **Devon McAslan** and Alyson Bove. 2014. *Ann Arbor Convention Center Feasibility Study*. Report completed for the Ann Arbor Area Convention and Visitors Bureau.

**McAslan, Devon.** 2008. "Humanitarian Aid and Global Climate Change: Examining Future Vulnerability." Research report for PUP 598 International Planning and Development.

**McAslan, Devon** and Laurie Quarnstrom. 2008. *Sustainable Resorts and Green Hotels: Developing Guidelines for the Town of Paradise Valley*. PUP 548 Planning for Urban Environmental Sustainability term paper and report prepared for the Town of Paradise Valley, Arizona.

Marquez, Andrea, **Devon McAslan**, Adam Muntian, Laurie Quarnstrom, and Sam Sumner. 2007. *Creating A Sustainable Community: Recommendations for the City of El Mirage Comprehensive Plan Update*." Planning 501 studio project and report prepared for the City of El Mirage, Arizona.

## DISSERTATION AND THESIS

**McAslan, Devon.** 2018. *Walking, Transit Use, and Urban Morphology in Walkable Urban Neighborhoods: An Examination of Behaviors and Attitudes in Seattle* ([link](#)). Dissertation. University of Michigan, Ann Arbor, MI. Committee: Scott Campbell (chair), Linda Groat, Ana Paula Pimentel Walker, and Robert Fishman.

**McAslan, Devon.** 2010. *Urban Indicators: A Study and Evaluation of Urban Indicator Programs for Creating Sustainable Communities*. Master's Thesis. Arizona State University, Tempe, AZ. Committee: David Pijawka (chair), Douglas Webster, and Katherine Crewe.

## PRESENTATIONS

### CONFERENCE PAPERS AND PRESENTATIONS

**McAslan, Devon.** "Smart Mobility as Public Interest Technology?" IEEE International Symposium on Technology and Society 2020. November 12-15, 2020, Virtual.

**McAslan, Devon.** "The Rise of Carfree Urbanism." Abstract accepted for 57<sup>th</sup> International Making Cities Livable Conference, June 2-6, 2020, Carmel, IN. (Conference Cancelled)

Najar Arevalo, Farah, **Devon McAslan**, Thaddeus Miller, David King. "AV Pilot Projects." Eighth Annual Conference on Emerging Technologies, May 27-28, 2020, Phoenix, AZ.

**McAslan, Devon**, Thaddeus Miller, David King, and Farah Najar Arevalo. "Governance of Autonomous Vehicles: Typologies of City Pilot Projects and Policy Initiatives." 59<sup>th</sup> Association of Collegiate Schools of Planning Annual Conference, October 24-27, 2019, Greenville, SC.

**McAslan, Devon.** "Walkability, Public Transit and Automated Mobility: Planning for Sustainable Transportation in an Autonomous Future." 56<sup>th</sup> International Making Cities Livable Conference, June 17-21, 2019, Portland, OR.

**McAslan, Devon.** "Walkability, Public Transit and Automated Mobility: Can AVs Help Promote Sustainable Transport?" American Association of Geographers Annual Meeting, April 3-7, 2019, Washington, DC.

Miller, Thaddeus, **Devon McAslan** and Adam Gabriele. "Emerging Governance Frameworks for Autonomous Vehicles in Municipal Planning Organizations." 2019 Transportation Research Board Annual Meeting, January 13-17, 2019. Washington, DC.

**McAslan, Devon.** “Walkability in the Seattle Urban Core: Enablers, Barriers, and Walking Satisfaction in Compact Neighborhoods.” Association of Collegiate Schools of Planning Annual Conference, October 25-28, 2018, Buffalo, NY.

**McAslan, Devon.** “Public Transportation and Village Planning in Seattle: Towards Sustainable Neighborhoods.” 55<sup>th</sup> International Making Cities Livable Conference, May 14-18, 2018, Ottawa, Canada.

**McAslan, Devon.** “Planning Public Transport for a Livable City: Learning from Resident Transit Use Behavior and Perspectives.” American Association of Geographers Annual Meeting, April 10-14, 2018, New Orleans, LA.

**McAslan, Devon.** “Walkability and Travel Behavior in Compact Urban Neighborhoods: The Impact of Pedestrian, Transit and Automobile Infrastructure on Walking.” Association of Collegiate Schools of Planning Annual Conference, October 12-15, 2017, Denver, CO.

**McAslan, Devon.** “Planning for Pedestrians: A Case Study of the Seattle Urban Core and the Use of its Streets.” 54<sup>th</sup> International Making Cities Livable Conference, October 2-6, 2017, Santa Fe, NM.

**McAslan, Devon.** “Neighborhood Walkability: The Impact of Pedestrian, Transit and Automobile Infrastructure on Walking.” American Association of Geographers Annual Meeting, April 5-9, 2017, Boston, MA.

**McAslan, Devon** and Stephen Buckman. “Canals, Streets and Modernism in a Desert City: A History of Phoenix Canals.” 16<sup>th</sup> National Conference on Planning History, November 5-8, 2015, Los Angeles, CA.

**McAslan, Devon.** “Expanding Public Parks through Community Activism in Jackson Heights, Queens.” 52<sup>nd</sup> Annual International Making Cities Livable Conference, June 29-July 3, 2015, Bristol, UK.

#### **CONFERENCE POSTERS**

**McAslan, Devon,** Farah Najar Arevalo, David King, and Thaddeus Miller. “Emerging Governance Structures for Autonomous Mobility in U.S. Cities.” Center for Smart Cities and Regions Research Symposium, November 12, 2019, Tempe, AZ.

**McAslan, Devon,** Thaddeus Miller, Braden Kay, and Rosa Inchausti. “Autonomous Vehicles in Tempe: Opportunities and Risks.” Center for Smart Cities and Regions Research Symposium, November 12, 2019, Tempe, AZ.

**McAslan, Devon.** “Planning for Pedestrians: A Case Study of the Seattle Urban Core and the Use of its Streets.” 54<sup>th</sup> International Making Cities Livable Conference, October 2-6, 2017, Santa Fe, NM.

**McAslan, Devon.** “Street Reclaiming and Complete Streets in Seattle and New York.” 2016 Walkable Washington Symposium, June 7, 2016, Bellevue, WA.

#### **PANELS, ROUNDTABLES AND OTHER PRESENTATIONS**

McDaniel, Troy, Jordan Miller, Yatiraj Shetty, Edgard Musafiri Mimo, **Devon McAslan,** and Katina Michael. “Citizen Centered Smart Cities and Smart Living NSF-NRT Project.” IEEE International Symposium on Technology and Society 2020. November 12-15, 2020, Virtual.

**McAslan, Devon**, Thaddeus Miller, Braden Kay and Rosa Inchausti. “University Research Partnerships with City Government to Advance Planning for Autonomous Vehicles.” Social Embeddedness Network Conference, Arizona State University, February 28, 2019, Tempe, AZ.

#### **INVITED TALKS**

“Transportation Planning and Current Practices.” February 5, 2020. FIS Senior Capstone (FIS 480), Arizona State University.

“Autonomous Mobility: A Primer.” June 4, 2019. Presentation to Peoria City Council (Arizona).

“Planning for AVs: What’s Next for Cities?” February 14, 2019. Navigating Our Driverless Futures Expert Design Workshop, Washington, D.C. Consortium for Science, Policy and Outcomes (CSPO).

### **RESEARCH GRANTS**

#### **FUNDED GRANTS**

“IoT Sensors for Pedestrian and Traffic Safety Applications in Smart Cities.” *Conditionally Approved*. Zimin Institute for Smart and Sustainable Cities. **Role: Co-Principal Investigator**. Research Team: David King (Co-PI), Devon McAslan (Co-PI), Hongbin Yu, Darryl Keeton, Mailen Pankiewicz, and Simon Ramos. **Amount: \$150,000**.

“Maricopa Association of Governments (MAG) Emerging Technology Strategy.” 2020. Maricopa Association of Governments. **Role: Co-Investigator**. Research Team: Thaddeus Miller, David King, Ram Pendyala, Devon McAslan. **Amount: \$75,000**.

“Valley Metro-Waymo Mobility-on-Demand Demonstration Program.” 2019-2020. Valley Metro. **Role: Co-Investigator**. Research Team: Ram Pendyala (PI), Thaddeus Miller, Devon McAslan. **Amount: \$300,000**.

“Enhancing Wealth Through Automated Mobility.” 2019. Schmidt Futures Alliance for the American Dream. **Role: Co-Investigator**. Research Team: Thaddeus Miller (PI), Katina Michael, Luke Tate, David King, and Devon McAslan. **Amount: \$50,000**.

### **OTHER PROFESSIONAL EXPERIENCE**

#### **INTERNSHIPS AND PROFESSIONAL WORK**

**Student Consultant**, Urban Sustainability and Planning in Thailand Study Abroad, Arizona State University, School of Sustainability, Summer 2008, *Instructors/Supervisors*: Dr. Douglas Webster and Dr. Chuthatip Maneepong.

**Community Development Intern**, City of Tempe, Community Development Department, 2007-2008, *Supervisor*: Mark Vinson, AIA/AICP/NCARB, City Architect and Community Design Manager.

## **PROFESSIONAL DEVELOPMENT**

ASU National Science Foundation Traineeship (NRT) Faculty Participant, Citizen-Centered Smart Cities and Smart Living ([link](#)), Fall 2020

ASU Postdoctoral Career Conference, Graduate College and the Postdoctoral Affairs Office, Arizona State University, March 2020.

Postdoctoral Career Development Workshop Series, Graduate College and the Postdoctoral Affairs Office, Arizona State University, Fall 2019.

ASU Postdoctoral Career Conference, Graduate College and the Postdoctoral Affairs Office, Arizona State University, June 2019.

Preparing Future Faculty Conference, Center for Research on Learning and Teaching, University of Michigan, September 2015.

Institute for Social Change, Rackham Graduate School, University of Michigan, August 2015.

**Graduate Student Research Assistant**, Taubman College of Architecture and Urban Planning, University of Michigan, Fall 2014.

**Graduate Student Instructor**, Taubman College of Architecture and Urban Planning, University of Michigan, Winter 2014.

**Research Assistant**, School of Planning, Arizona State University, Spring 2009.

**Research Assistant**, School of Planning, Arizona State University, Summer 2008.

**Teaching Assistant**, School of Planning, Arizona State University, 2007-2008.

## **TEACHING AND ADVISING**

### **COURSES TAUGHT**

HSD/EGR 598 Introduction to Smart Cities, ASU Fall 2020

FIS 480 Innovation Studio, Co-Instructor (with Dr. Thaddeus Miller), ASU Fall 2018

URP 504 Quantitative Methods for Planners, Graduate Student Instructor, UM Winter 2014

PUP 433 Zoning Entitlement Process, Teaching Assistant, ASU Fall 2008

PUP 434 Urban Land Economics, Teaching Assistant, ASU Spring 2008

PUP 442 Environmental Planning, Teaching Assistant, ASU Fall 2007

## **AWARDS AND HONORS**

Meeting of the Minds 2020 Annual Summit Registration Scholarship, competitive, 2020

Rackham One-Term Dissertation Fellowship, competitive, 2017

Rackham Graduate Student Research Grant, Candidate, University of Michigan, 2016

Rackham Graduate Student Research Grant, Pre-Candidate, University of Michigan, 2015  
Taubman College of Architecture and Urban Planning, Department of Urban and Regional Planning  
Doctoral Fellowship, University of Michigan, 2013-2017  
School of Planning Scholarship, Arizona State University, 2009-2010  
Earl and Ellen Davis Scholarship, competitive, School of Planning, Arizona State University, 2008-2009  
University Grant, Arizona State University, 2007-2008; 2008-2009  
University Graduate Fellowship, competitive, Arizona State University, 2007-2008

## SERVICE

### PROFESSIONAL

Article Reviewer:

- *Transportation Research Interdisciplinary Perspectives*
- *Journal of Transport and Land Use*
- *Journal of Urban Technology*
- *Sustainability*
- *International Journal of Environmental Research and Public Health*
- *Urban Studies*

### UNIVERSITY

Advisory Board Member, Postdoctoral Leadership Committee/Early Career Researchers Network (ECRN), Arizona State University, 2019-2020

Postdoctoral Career Development Committee Member, Arizona State University, 2019-present

- Planned professional development workshop on the academic job application process and preparing for the academic career for postdoctoral scholars (Fall 2019, Fall 2020)
- Organizer for 2020 ASU Postdoctoral Career Conference (April 2020)
- Organizer for 2020 Arizona Postdoctoral Research Conference (Sept 2020)

### DEPARTMENT

Committee Member, ASU-Mesa Innovation Campus Planning Committee, School for the Future of Innovation in Society, 2018-2019

LunchUP Lecture Series Planning Committee, Urban and Regional Planning Program, Taubman College of Architecture and Urban Planning, University of Michigan 2013-2015

Reviewer for *Agora Journal of Urban Planning and Design*, edited by Urban Planning Student Association, Taubman College of Architecture and Urban Planning, University of Michigan, 2017-2018

### COMMUNITY

Judge, Kyrene Middle School *Future Cities* Competition, 2020



Seattle Neighborhood Greenways Advocacy Group, 2016-2018

Feet First, Walking Ambassador/Volunteer, Seattle WA, 2016-2017

Founding Member and President, Rotaract Club [Affiliated with Rotary International], University of Arizona, 2004-2007

President, Kaibab-Huachuca Hall Government, Resident Hall Association, University of Arizona, 2003-2004

## **PROFESSIONAL AFFILIATIONS**

Association of Collegiate Schools of Planning (ACSP)

American Planning Association (APA)

Michigan Planning Association (MI APA)

Planner's Advocacy Network

International Making Cities Livable

Congress for the New Urbanism

American Association of Geographers (AAG)

## **SOCIAL MEDIA AND WEB**

 [Google Scholar](#)

 [ResearchGate](#)

 [Academia.edu](#)

 [ORCID](#)

 [LinkedIn](#)