

B102 - Sharing AVs: Policies and Impacts in a Post-COVID World



Joshua Auld

Argonne National Laboratory

Dr. Joshua Auld is the Manager of the Transportation Systems and Mobility team in the Vehicle and Mobility Simulations Group at the Argonne National Laboratory Center for Transportation Research. He is an expert in agent-based modeling, behavioral analysis, transportation simulation and travel data collection and is the lead designer of the POLARIS transportation simulation system. His research focuses on traveler behavior and decision-making from both a modeling and data collection perspective - and the impact that connectivity, automation and control have on travel demand and transportation. Dr.

Auld received his Doctorate from the University of Illinois at Chicago in 2011 in Civil and Materials Engineering. He is the author of over 50 peer reviewed journal articles, book chapters and editorials, and is currently a member of the TRB Transportation Demand Forecasting and Traffic Simulation Committees.



Denise da Silva Baker

Arizona State University

Denise has a Civil Engineering degree from the University of São Paulo, Brazil, a with a special studies certificate in Transportation Engineering (2015), and a master's degree in Transportation Planning (2017). She received a full scholarship to study for one year at University of Illinois at Chicago during 2013. Currently, she is a PhD candidate at Arizona State University. Her PhD is focused on the effects of attitudes on travel behavior changes due to disruptions in transportation (such as autonomous vehicles, and COVID-19).



Richard Ezike

Doctor Richard LLC

Dr. Richard Ezike is a transportation equity and STEM engagement expert and founder of Doctor Richard, LLC. He has served on a number of transportation advisory groups, including the Riders Advisory Council of the Washington Metropolitan Area Transit Authority (WMATA) and the Access for All (AFA), and Air and Climate Public Advisory (ACPAC) Committees of the Transportation Planning Board of the Metropolitan Washington Council of Governments. He has advised on transportation issues for federal agencies such as the Department of Energy, Department of Transportation, and the

Environmental Protection Agency; and for organizations such as the Transportation Research Board, Smart Growth America, the Greenlining Institute, and Securing America's Future Energy. He has keynoted at NC State University, the University of Michigan, and at the 2019 Sustainable Cleveland Summit, and has been quoted by the *Washington Post*, *Greater Washington*, and the *Washington Informer*. He is also passionate about supporting the current and next generations of Black engineers and scientists through his involvement with the National Society of Black Engineers (NSBE). Within NSBE, he currently serves as the Professionals Chair for Region 2, which oversees 15 chapters in seven states in the Mid-Atlantic region. He previously served as the President of the Washington DC Professionals Chapter. Dr. Ezike holds memberships with the Conference of Minority Transportation Officials, the Young Professionals in Transportation, and the National Urban League Young Professionals Network. Dr. Ezike holds a Doctorate from the University of Michigan and a Bachelor's from North Carolina State University, both in chemical engineering.



Ann Foss

City of Arlington, Texas

Ann W. Foss, Ph.D., AICP; Ann has been with the City of Arlington since 2016 and currently serves as the Principal Planner for the Office of Strategic Initiatives. As Principal Planner, Ann performs comprehensive planning for the City and is heavily involved in transportation planning for the City, working to secure grant funding and pilot new technologies, including autonomous vehicles and demand response ride sharing. She is also responsible for managing the Arlington Urban Design Center, a collaboration between the City of Arlington and the University of Texas at Arlington that provides free conceptual design services to residents, nonprofits, and businesses. Ann holds a BA in Anthropology and Environmental Science from Haverford College, a MS in Urban Planning from Columbia University, and a Ph.D. in Urban Planning and Public Policy from the University of Texas at Arlington. She has worked as a professional planner in New York, NY, Dallas, TX, and Arlington, TX. Ann is a member of the American Institute of Certified Planners and a certified Chief Operator of the EasyMile autonomous vehicles.



Sara Khoeini

Arizona State University

Sara Khoeini is an assistant research professor of transportation systems in the School of Sustainable Engineering and the Built Environment at Arizona State University. She is also the assistant director of a USDOT Tier 1 University Transportation Center (UTC) called TOMNET (Teaching Old Models New Tricks). She got her PhD in Civil and Environmental Engineering in 2014 from Georgia Institute of Technology with a focus in transportation systems. She is studying users' attitudes, behaviors, and choices in response to transformative and disruptive changes in transportation, including automation, the sharing economy, and most recently, the pandemic. Her research goal is to take advantage of these rapidly evolving transformations in transportation to elevate quality of life for all, while advancing system-level sustainability, efficiency, and productivity. Most recently, Dr. Khoeini has been serving as the leader of the TOMNET Transformative Technologies in Transportation (T4) Survey project that involves coordinating a complex survey deployment effort across four universities.



William (Billy) Riggs

University of San Francisco

William (Billy) Riggs, Ph.D., AICP, LEED AP is a global expert and thought leader in the areas of automation and future mobility, behavioral economics, city planning and urban development. He is a professor and program director at the University of San Francisco School of Management. He has worked in venture capital and management consulting and been an advisor to multiple companies and start-ups on technology, smart mobility and urban development. This follows two decades of experience working as an urban planner, economist, and engineer. He has over 100 publications, and has been featured in multiple global media outlets such as the Economist, Wall Street Journal, Washington Post and Atlantic. Dr. Riggs is the author of the book *Disruptive Transport: Driverless Cars, Transport Innovation and the Sustainable City of Tomorrow*. He has been both a fellow with the National Science Foundation and is the founder of ReStreet.com—an online tool for democratizing street design through participatory planning. Dr. Riggs sits on the Transportation Research Board (TRB) Committee on Policy and Law and Committee on the Landscape and the Built Environment.

**Scott Smith**

Volpe Center/U.S. DOT

Scott Smith is a senior operations research analyst at the Volpe Center with over 25 years of experience in applying technology to improve transportation operations and safety across all modes. He is leading a program on automated vehicle impact assessment for the ITS Joint Program Office. Dr. Smith holds a doctorate in Civil Engineering from MIT.

**Andy Taylor**

Cubic Transportation Systems

Andy Taylor is a global transportation expert with diverse experience ranging from air traffic control to multi-modalism over the last 30 years. Andy is the Head of Global Strategy for Cubic and has overseen the evolution and development global strategy over the last six years, focusing on strategic partnerships with some of the world's leading technology and software companies. In that role, he has spearheaded the Mobility-as-a-Service solution to help cities and transit agencies evaluate the potential benefits of integrated multi-modal transport options. Andy is currently educating user communities and transit agencies on the true benefits and impacts of Mobility-as-a-Service and the importance of cities taking ownership of MaaS as a Multi-modal Management Model. "

**David Zipper**

Harvard University

David Zipper is a Visiting Fellow at the Harvard Kennedy School's Taubman Center for State and Local Government, where he examines the interplay between urban policy and new mobility technologies. David's perspective on urban development is rooted in his experience working within city hall as well as being a venture capitalist, policy researcher, and startup advocate. A contributing writer at Bloomberg CityLab, David's writing about urban innovation have also been published in *WIRED*, *Slate*, and *Car and Driver*. He focuses on topics including Mobility-as-a-Service, the uses of transportation data, the

future of micro-mobility, and linkages between public transit, city regulations, and private shared vehicles. From 2013 to 2017 David was the Managing Director for Smart Cities and Mobility at 1776, a global entrepreneurial hub with over 1,300 member startups. At 1776, David connected hundreds of entrepreneurs to urban leaders eager to deploy their solutions, and he closed millions of dollars in partnerships with cities and corporations worldwide. He continues to be a Partner in the 1776 Seed Fund. David previously served as the Director of Business Development and Strategy under two mayors in Washington DC, where his responsibilities included attracting businesses to the city, promoting entrepreneurship, and overseeing economic development strategy. David led support to Washington's first startup incubators and guided the city's response to the emergence of ride hail services. David holds an MBA with Highest Honors from Harvard Business School, an M.Phil in Land Economy (Urban Planning) from Cambridge University, and a BA with High Honors from Swarthmore College. He has been selected as a Truman Scholar, a Gates Scholar, and a Baker Scholar.