

# MIT Industrial Liaison Program Faculty Knowledgebase Report

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## Built Infrastructure @MIT

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April 1, 2021 10:00 am - 11:00 am

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10:00 AM

Welcome and Introduction  
David Martin  
Program Director, [MIT Industrial Liaison Program](#)



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Program Director  
[MIT Industrial Liaison Program](#)

Mr. David Martin joined Corporate Relations on August 15, 2018 as Program Director for the ILP. Martin comes to OCR with deep and broad knowledge and expertise in program management, innovation, commercial and government contracting, and strategic planning. In his most recent position at Altran (Burlington, MA) as the VP Programs, Dave had many major accomplishments including leading an innovation team to develop new technology in the beverage-filling industry, and managing client-facing relations supporting sales and execution of projects. Before that, he was at Windmill International as VP, Product Development, R&D. There he spearheaded the move into new markets for an innovative satellite communications product including through the SBIR program where he secured funding and sponsorship. Martin also leveraged other government programs collaborating with the DoD and congressional contacts. He began his career in the US Air Force as an Active Duty Captain and served for 10 years as an Acquisition Manager, Scientist, Test Director, and finally as Executive Officer in the Executive Office for Command, Control and Communications Systems in the Pentagon. Martin also served in the US Air Force Reserves before joining Windmill.

Mr. Martin earned his B.S., Physics from MIT, and his M.S., Systems Management from the University of Denver. He also earned a Certificate in Information Systems at the University of Denver.

Panel: Decarbonization of Built Infrastructure  
Christopher Zegras

Professor of Mobility and Urban Planning,  
Department Head, [Department of Urban Studies and Planning \(DUSP\)](#)



Christopher Zegras

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Department Head, [Department of Urban Studies and Planning \(DUSP\)](#)

Zegras is Professor of Mobility and Urban Planning and the current Department Head of DUSP. He has taught planning methods and techniques, integrated land use-transportation planning, quantitative methods, and transportation finance. He has also co-taught urban planning and design studios in Beijing, Boston, Cartagena (Colombia), Guadalajara (Mexico), Mexico City, and Santiago de Chile. He serves on the Executive Board of the [BRT+ Centre of Excellence](#) and the International Scientific Committee for the Center for Sustainable Urban Development (Centro de Desarrollo Urbano Sustentable, [CEDEUS](#)). At MIT he serves on the [Climate Nucleus](#). From 2015-2020 he was the Lead Principal Investigator for the [Future Urban Mobility](#) interdisciplinary research group, sponsored by the [Singapore MIT Alliance for Research and Technology](#). From 2007 to 2016 he was Transportation Systems Focus Area Lead for the [MIT Portugal Program](#).

His research spans inter-related areas critical to tackling metropolitan mobility challenges: human behavior, digital transformation, and strategic planning techniques and technologies. He has consulted widely for a diverse range of governments, inter-governmental organizations, and nongovernmental organizations. Prior to becoming a Professor, he worked for the [International Institute for Energy Conservation](#) in Washington, DC and Santiago de Chile and for MIT's Laboratory for Energy and the Environment. Zegras holds a BA in Economics and Spanish from Tufts University, a Master in City Planning and a Master of Science in Transportation from MIT and a PhD in Urban and Regional Planning, also from MIT.

[View full bio](#)

Janelle Knox-Hayes

Lister Brothers Associate Professor of Economic Geography and Planning, [Department of Urban Studies and Planning](#)



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[Department of Urban Studies and Planning](#)

Janelle Knox-Hayes is the Lister Brothers Associate Professor of Economic Geography and Planning in the Department of Urban Studies and Planning. She holds a visiting research fellowship at the Smith School of Enterprise and the Environment at Oxford University. Her research focuses on the ways in which social and environmental systems are governed under changing temporal and spatial scales as a consequence of globalization. She has studied the political and economic interface of financial markets and environmental systems and how individuals and organizations plan and make decisions under conditions of socio-economic uncertainty. Her latest project examines how social values shape sustainable development. Janelle has been the recipient of an SSRC Abe Fellowship for study of environmental finance in the Asia-Pacific and a Fulbright Fellowship for study of sustainable decision-making in Iceland. Janelle is the author of a number of peer-reviewed works in prestigious journals and presses. She serves as an editor of the Cambridge Journal of Regions, Economy and Society.

Prior to joining DUSP, Janelle was an associate professor in the School of Public Policy at Georgia Tech. She completed her BA (Summa Cum Laude) in International Affairs, Ecology, and Japanese Language and Civilizations from the University of Colorado Boulder in 2004 and her MSc (with Distinction) and DPhil from the University of Oxford in 2006 and 2009 respectively. Before starting graduate school, Janelle worked as an energy analyst for the United States Environmental Protection Agency. With this background, she has a strong

