

# 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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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



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Zegras is Professor of Transportation and Urban Planning in the Dept. of Urban Studies and Planning at MIT, where he teaches integrated land use-transportation planning, transportation finance, and field-based/client-based workshops. He has co-taught urban design and planning studios in Beijing, Boston, Cartagena (Colombia), Guadalajara (Mexico), Mexico City, and Santiago de Chile. He is the Lead Principal Investigator for the Future Urban Mobility research group, sponsored by the Singapore MIT Alliance for Research and Technology, and is MIT Lead of Transportation Systems under the MIT Portugal Program.

His research spans three inter-related areas critical to tackling metropolitan mobility challenges:

- (1) Human Behavior: understanding the dynamic relationships between human behavior and the built, social, and natural environments;
- (2) Digitalization: leveraging new technologies to deepen our understanding of relevant dynamics, offer new ways to interact with individuals, and enhance people's engagement in mobility-related data collection and planning processes; and,
- (3) Strategic Planning: devising new techniques for supporting mobility planning, aiming to understand how they can ultimately improve the design, finance, and implementation of innovative mobility policies and interventions.

He has consulted widely for a diverse range of organizations, including the International Energy Agency, the World Bank, the Inter-American Development Bank, the Canadian, German, US, and Peruvian Governments, and the World Business Council for Sustainable Development. He serves on the Boston BRT Study Group and the MIT Transportation and Parking Committee. 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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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.

