e-Planning, Urban Science and Digital Transition

MIT-DUSP **Monday Lunch Speaker Series**

"City Arena" (9-255)

October 23, 12:30 - 2 PM

(Lunch is available at 12:15)

A.I. for Human Capital Development in the Future of Work

Jinhua Zhao

Speaker:

Jinhua Zhao, Professor of Cities and Transportation

Discussants:

Andres Sevtsuk, Associate Professor of Urban Science and Planning
Joseph Ferreira, Professor (post-tenure) of Urban Information Systems

Links:

https://dusp.mit.edu/people/jinhua-zhao
https://dusp.mit.edu/people/joseph-ferreira
https://dusp.mit.edu/people/andres-sevtsuk

http://web.mit.edu/uis/e-planning2023/speakerseries.html

Lunch Talk: **"City Arena"** (9-255), **October 16**, **12:30 - 2 PM**

A.I. for Human Capital Development in the Future of Work

Prof. Zhao will present an overview of the research program "Mens, Manus and Machina: How A.I. Empowers People, Institutions and the City in Singapore (M3S)". Out of the seven M3S projects, the talk will focus the proposal of "A.I. for human capital development", which aims to describe, interpret, and optimize dynamic human decisions and online interactions with deep reinforcement learning for Singaporeans' long-term career development, short-term activity planning and interactive learning. Human capital is one of the largest drivers of global economic productivity. This project seeks to develop a theory of human reinforcement learning and design an AI-assisted decision system to build human capital at three scales: individual, employer and government.

Jinhua Zhao

Jinhua Zhao is the Professor of Cities and Transportation at the Massachusetts Institute of Technology (MIT). Prof. Zhao integrates behavioral and computational thinking to decarbonize the world's mobility system. He founded the MIT Mobility Initiative, coalescing the Institute's efforts on transportation research, education, entrepreneurship, and engagement, and he hosts the MIT Mobility Forum, highlighting transportation innovation from MIT and across the globe. Prof. Zhao also directs the JTL Urban Mobility Lab and Transit Lab, leading long-term collaborations with transportation authorities and operators worldwide and enabling cross-culture learning between cities in North America, Asia and Europe. Most recently, Prof. Zhao leads the program "Mens, Manus and Machina (M3S): How AI Impacts the Future of Work and Future of Learning" at the Singapore MIT Alliance for Research and Technology (SMART). He is also the co-founder and chief scientist for TRAM.Global, a mobility decarbonization venture.

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