



Green Cities Practicum Series: Spring 2020 Theme - **Clean Air and Green Travel**

Instructors (DUSP):

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Site: Zhengzhou, China (MIT China Future City Lab's Zhengzhou City Living Lab Program).

Client: Sustainability Task Force, Zhengzhou Municipal Bureau of Transportation.

Five sub-topics:

- ***Sensing the air quality:*** conduct on-site monitoring to understand the impacts of air pollution on health and economic activity from a micro-perspective.
- ***Green nudge policy:*** integrate behavioral economics concepts to design and test out soft policy instruments that influence people's attitudes and decision-making processes.
- ***Bike-sharing systems:*** analyze how non-motorized micro-mobility can be integrated into large urban mobility schemes on a dual (dock vs dockless) system context.
- ***Autonomous vehicles:*** explore obstacles and propose strategies of how AV can be integrated into urban design and transportation management schemes.
- ***Transit oriented development:*** model how the links between public transportation and land use can benefit both transit usage and urban development.

Class email: cfc-greencities@mit.edu

Travel: 2020 IAP (January 4 - 12)

Teaching: 2020 Spring, meet once a week

No requirement for urban design skills. Knowledge and skills in environmental planning and policy, mobility and transportation policy, or urban science are preferred.