



City Science

June 17 - 19, 2019

Monday June 17

Urban planning of the past and resilient urban cells

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| 8:30am - 9:00am | Welcome and Course Overview |
| 9:00am - 9:45am | Introduction: Towards a New Process for Creating High-Performance, Livable, Entrepreneurial Cities |
| 10:00am - 11:30am | Urban planning of the past - the background of urban planning from concentric urban neighborhoods to urban sprawl. Students will explore how historic communities functioned and how we can take inspiration from the past as we design cities of the future. |
| 11:30am - 12:00pm | Resilient urban cells – scalable strategies for creating hyper-efficient, technology-enabled spaces that can help make living more affordable, productive, enjoyable, and creative for urban dwellers. |
| 12:00pm - 1:00pm | Lunch |
| 1:00pm - 2:00pm | Demos of Current City Science Research |
| 2:00pm - 3:00pm | Resilient urban cells cont'd. |
| 3:00pm - 4:15pm | Innovation tour |
| 4:15pm - 4:45pm | Introduction to Group Exercise |
| 4:45pm - 5:00pm | Day 1 Overview and Discussion |

Tuesday June 18

City Science: New mobility systems and live/work space on demand

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| 8:30am - 10:30am | New mobility systems – Shared-use and autonomous alternatives to the private automobiles that can allow an increase in the vibrancy and density of the city without problems created by congestion and parking demand |
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- 10:30am - 12:00pm Living and working spaces on demand – Hyper-efficient residential strategies, including transformable micro-apartments, that are affordable, fun, and productive for young professionals in the creative heart of the city; and co-working facilities, cafés, fab labs, and other shared facilities support innovation, human interaction, and entrepreneurship
- 12:00pm - 1:00 pm Lunch
- 1:00pm - 2:00pm Living and working spaces on demand – cont'd.
- 2:00pm - 4:45pm Group exercise cont'd.
- 4:45pm - 5:00pm Day 2 Overview and Discussion

Wednesday June 19

Towards a new process

- 8:30am - 9:15am Towards a new process - Participants explore insight, prediction, consensus deployment and governance including techniques and strategies to redesign the future of urban planning using data-driven, evidence-based systems.
- 9:15am - 11:30am Insight and Transformation
- 11:30am - 12:00pm Prediction and Consensus
- 12:00pm - 1:00pm Lunch
- 1:00pm - 3:00pm Deployment and Governance
- 3:00pm - 4:00pm Group exercise cont'd.
- 4:00pm - 4:30pm Review and Discussion
- 4:30pm - 5:00pm Final Summary and Certificates