**MUSES:** Multi-Scale Energy Systems
(2016 – 2019)

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MUSES: Vision

Today

- Zero-carbon buildings.
- Low-exergy building systems.
- Integrated building design.

Tomorrow

- Zero-carbon districts.
- Low-exergy district systems.
- Integrated urban design.
MUSES: Approach
MuSES focus areas

1. Energy-driven urban design.
2. Agent-based demand forecasts.
3. Low-exergy district systems.
4. Optimization under uncertainty.
5. City Energy Analyst Tool.
MuSES focus areas

1. Energy-driven urban design.
2. Agent-based demand forecasts.
3. Low-exergy cooling systems.
4. Optimization under uncertainty.
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2018 Executive Course in Urban Energy Systems

July 02 – 07 of 2018
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