

# NEW DIRECTIONS IN CIVIL & ENVIRONMENTAL ENGINEERING AT NORTHWESTERN

## TC Business Advisory Committee Meeting

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Northwestern | McCORMICK SCHOOL OF  
ENGINEERING

# Strong Relationship between CEE & TC

- Capitalize
- Personally – long time member
- Participated in panels, presentations, seminars
- Joint proposals – 2014 NSF Urban Sustainability Research Network



***“Learning Cities: The sustainable & economic reinvention of rapidly changing cities”***

# Challenges Facing CEE Departments Everywhere

- Undergrad enrollments – 34% decline in last 5 y
- Funding – shift to center funding
- Faculty & area renewal



# Opportunities Facing CEE at Northwestern

- Renewal – where, what, or begin anew
- Unifying theme / vision
- Enhance connections
- Architectural Engineering



# In partnership with TC

- New teaching & research focus on **Cities**
- **Center for Adaptive & Resilient Cities**
  - Coupled cycles of energy & resource production & use
  - Infrastructure
  - Autonomous vehicles, changing modes of mobility & accessibility
  - Information & communication; shared economy
  - Policy
  - Business opportunities

