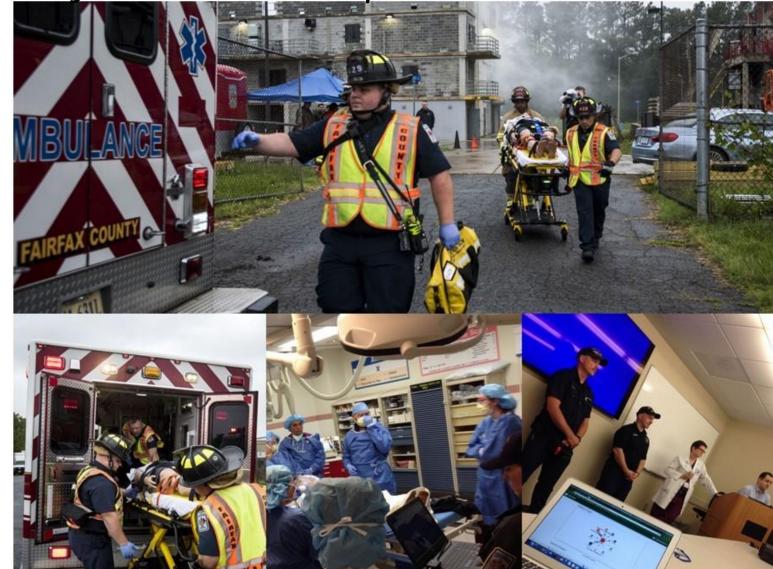
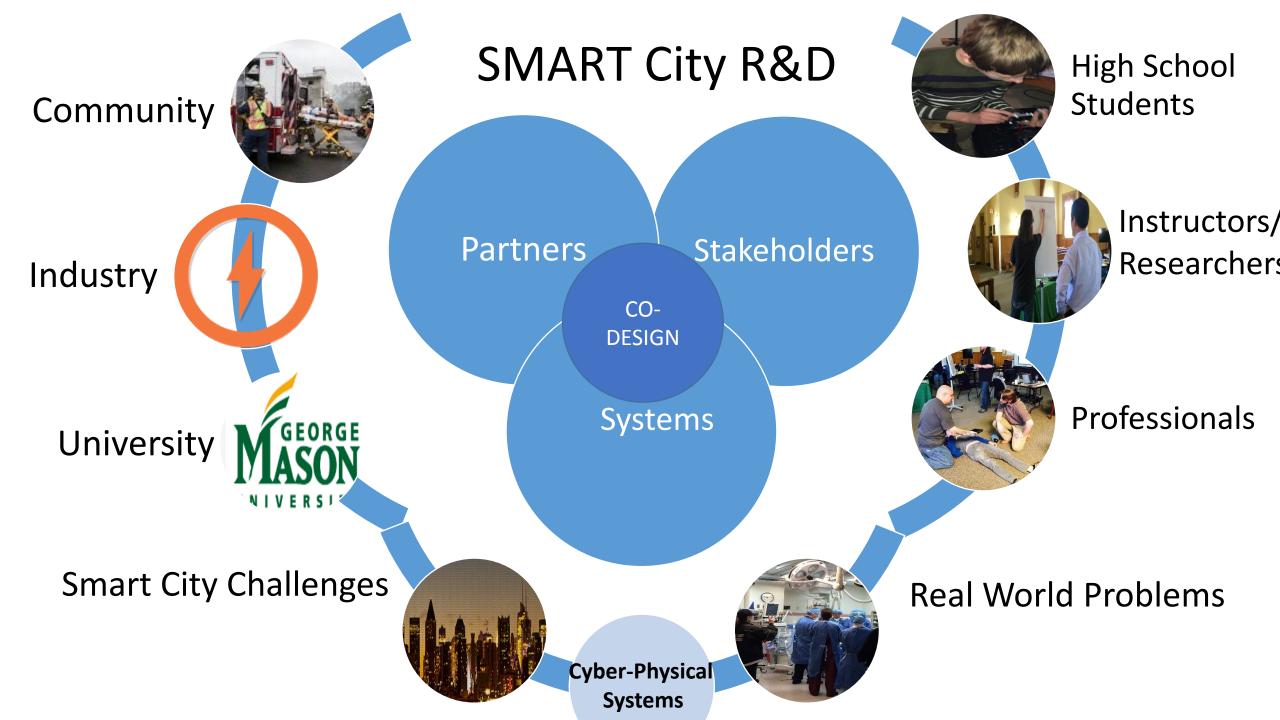
# Can Smart Cities *Contribute to STEM Learning and Workforce Development*?



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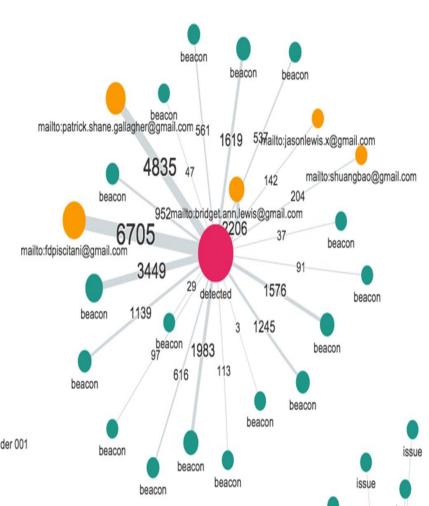




**STEM Content** Connect formal and informal STEM education Create pathways to STEM occupations Improve STEM curriculum & instruction Engage students and raise standards Prepare and support STEM educators

Prepare students for college & careers in STEM Raise the bar – increasing STEM achievement for ALL students.

#### Sensor-based Measurement & Visualization

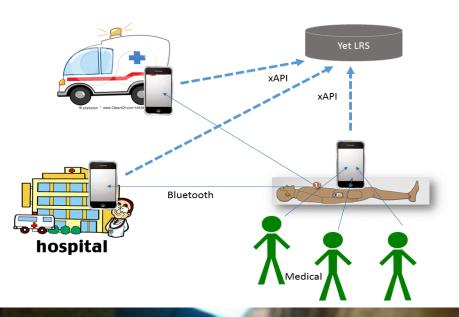


# Colaborative Design



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## Engineering/Systems



#### **Computer Science/Informal learning**

### Problem Solving/Critical Thinking

High School

#### **Stakeholder**s

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Undergraduate

Professionals

Graduate

Scientific Teams

eets xAPI next-gen learning analyti Community

#### **Impacting Real World Challenges** Opportunities for students and teachers to participate in co-design and research in SMART cities challenges.

Please join me and my colleagues in exploring how smart and connected communities can inspire next generation high schools.