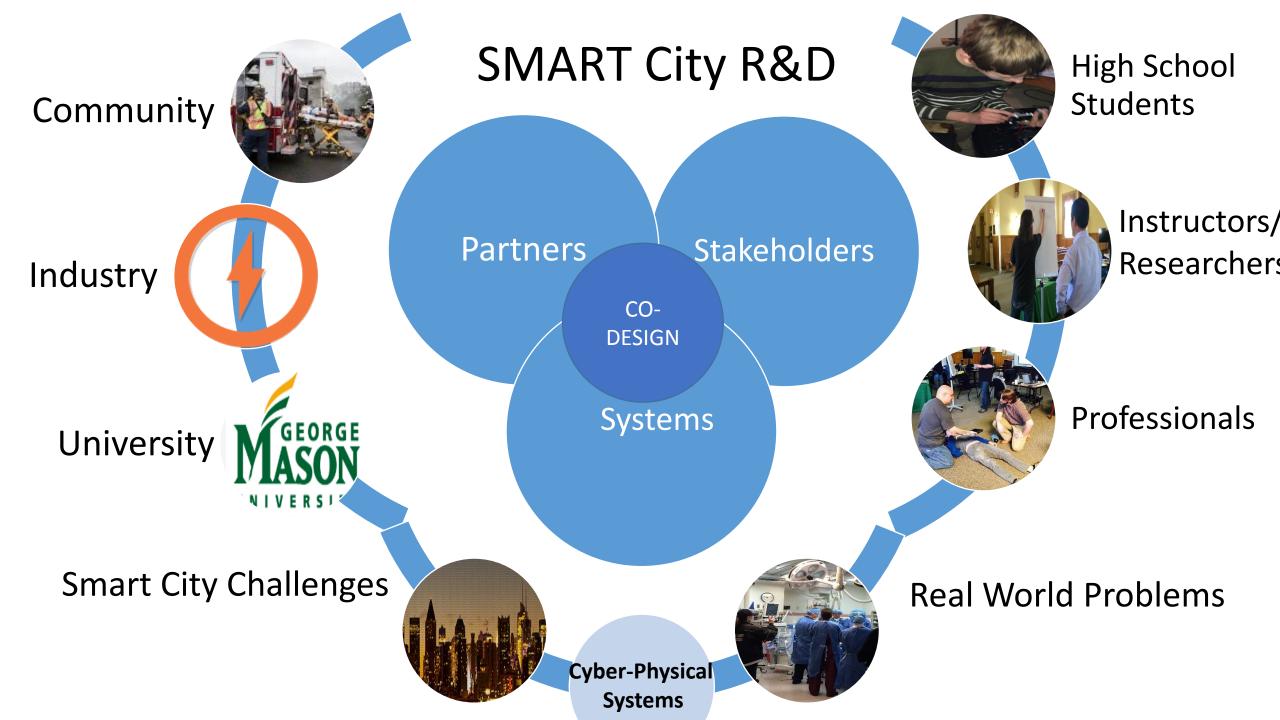
Can Smart Cities *Contribute to STEM Learning and Workforce Development*?



Dr. Brenda Bannan Associate Professor Division of Learning Technologies College of Education and Human Development

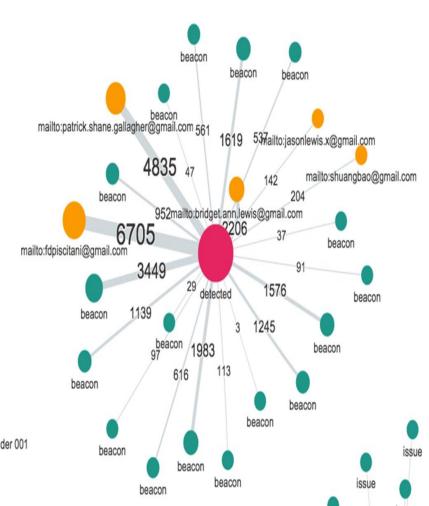




STEM Content Connect formal and informal STEM education Create pathways to STEM occupations Improve STEM curriculum & instruction Engage students and raise standards Prepare and support STEM educators

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

Sensor-based Measurement & Visualization

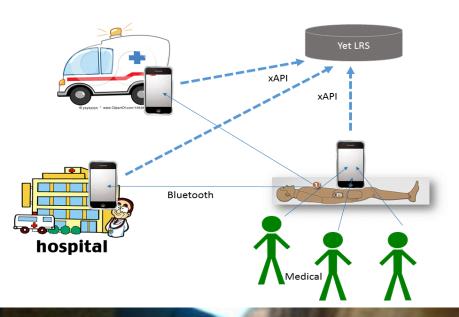


Colaborative Design



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Engineering/Systems



Computer Science/Informal learning

Problem Solving/Critical Thinking

High School

Stakeholders

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.