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

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Partners

Stakeholders

Systems

CO-DESIGN

Community

High School Students

Industry

Instructors/Researchers

University

Professionals

Smart City Challenges

Real World Problems

Cyber-Physical Systems

George Mason University
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.
Collaborative Design/Partnerships
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.