Summer 2020

Research Experiences for Undergraduates in Smart & Connected Communities

This REU Site is funded by the National Science Foundation and hosted at Texas State University – San Marcos

TEXAS ★ STATE UNIVERSITY SAN MARCOS ®

Recruiting 10 motivated undergraduate students to conduct research in the area of Smart & Connected Communities (S&CC) for 10 weeks over the summer of 2020

Research overview

The main research theme of this opportunity is in the emerging area of Smart & Connected Communities (S&CC), the essential building blocks of smart cities. Here are few example applications:

➢ Development of models, mechanisms and tools for smart human-environment interactions and protection of smart infrastructure.

➢ Data collection and analysis to promote health and well-being of citizens in urban settings.

➢ Novel scheduling and monitoring methods for intelligent transportation systems.

Benefits:

✓ Learn how to conduct research.

✓ Gain hands-on experience in robots, sensors, data collection and analysis, simulation experiments, and intelligent applications.

✓ Participate in various activities (e.g., seminars, tutorials, picnics, etc..).

✓ Learn how to write research papers and present your work.

✓ Visit nearby hi-tech companies (e.g., IBM, Google).

Other benefits include:

❑ $6000 stipend

❑ Travel support (up to $600)

❑ Housing and meals included

Must be a U.S. citizen or a permanent resident

Important dates:

Application due.........Mar 1, 2020

Notification…...........Mar 27, 2020

Program starts..........Jun 1, 2020

Program ends………Aug 7, 2020

For more information and to apply:

http://reuscc.wp.txstate.edu/