

2019 Georgia Smart Communities Challenge

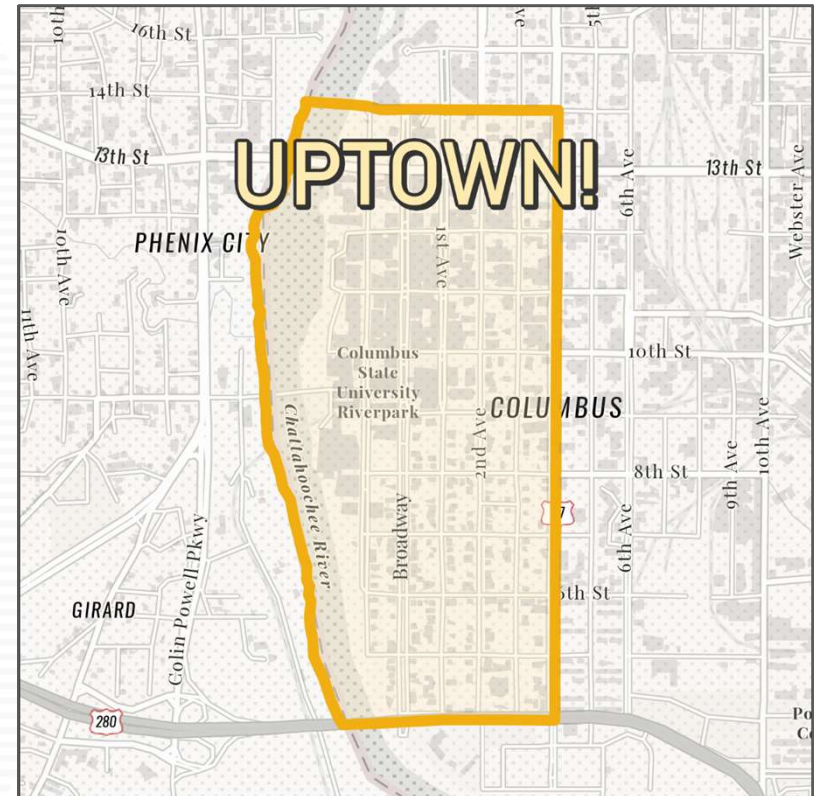
City of Columbus Smart Uptown

Introduction

September 5, 2019

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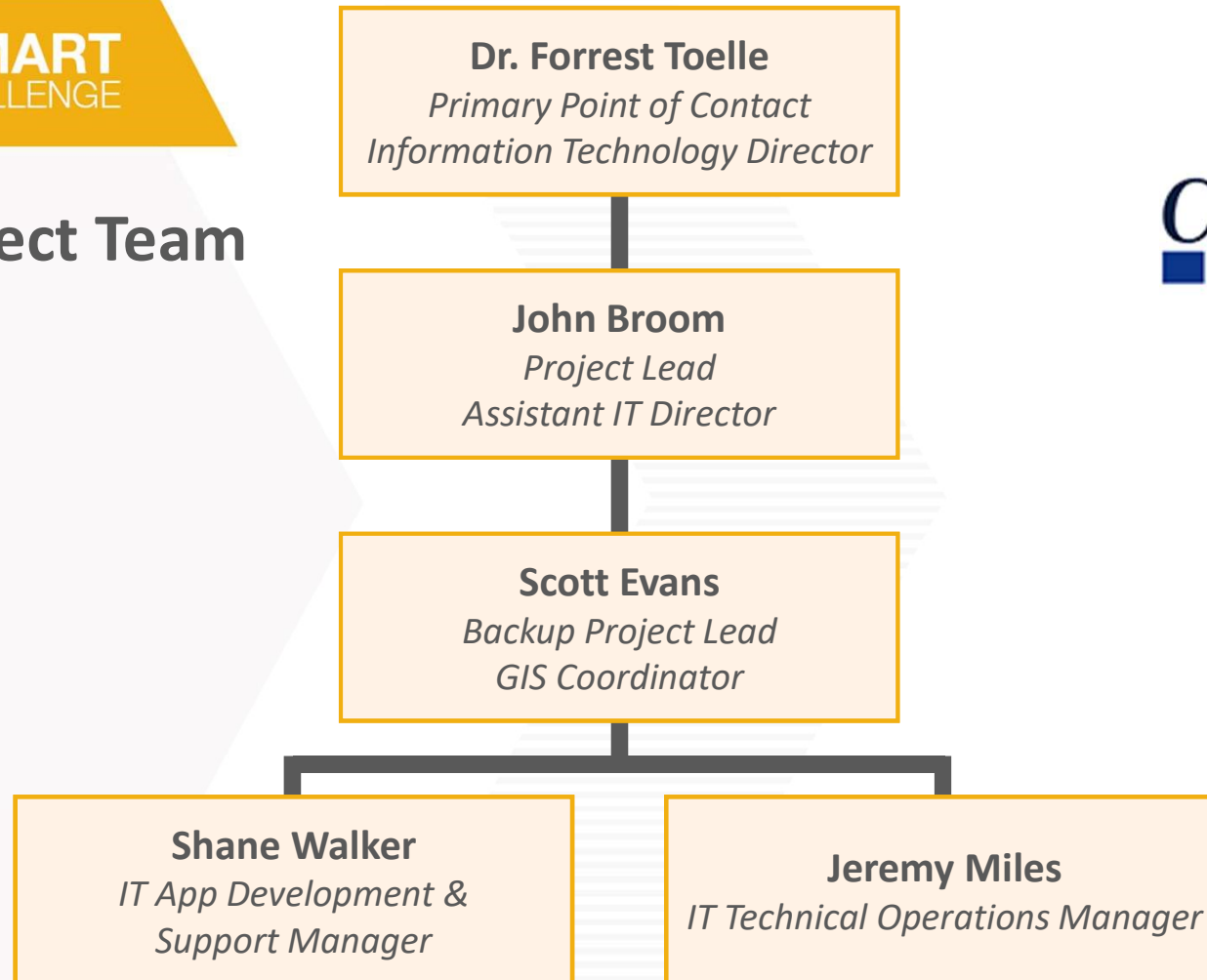
- Deploy Internet of Things (IoT) devices to a specific part of the city
- Treat Uptown Columbus as a pilot area; catalyst for other projects
- Goal: improve economic growth of Uptown Columbus and the safety of its visitors



Click the map above to open the interactive version

CCG Project Team

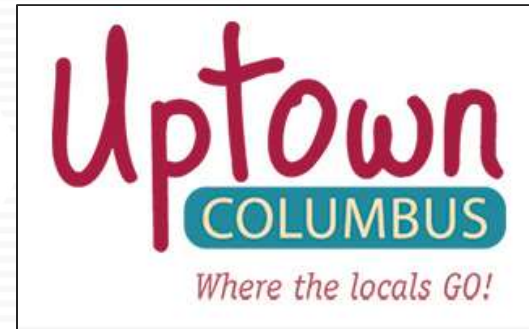
CREATING THE NEXT®



GA Tech Research Team

- Dr. John E. Taylor, PhD,
Director, Network Dynamics
Lab
- Dr. Neda Mohammadi, PhD,
City Infrastructure Analytics
Director, Network Dynamics
Lab
- Dr. Russell J. Clark, PhD,
Director, Mobile Technology
& IoT Programs

Local Partners



Vision and Impact

- Columbus has thriving downtown, known as Uptown
- No neighborhood-wide Smart Devices in the vicinity
- Existing fiber infrastructure, Wi-Fi available at local businesses
- Device deployment will hopefully result in positive impact on public safety and economic development



GT Research

- Determine what types of information/data to collect
- What types of devices to deploy?
- Take past/current research and employ it in the Uptown area



Community Support

"Columbus is extremely excited to have been selected as one of the GA Smart Communities for 2019-2020. This will allow us to begin collecting data that can be used in a variety of ways. Predictive analytics will become more and more important as we look for economical ways to provide services for our City. This will enable us to intelligently deploy our resources to more efficiently serve our citizens."

- Mayor B. H. "Skip" Henderson III, Columbus Consolidated Government