

GEORGIA SMART COMMUNITIES CHALLENGE

Debra Lam
31 January 2019

Overview

- What is the GA Smart Community Challenge?
- What is the Smart Community Corps?
- How can I be part of this?
- Q &A

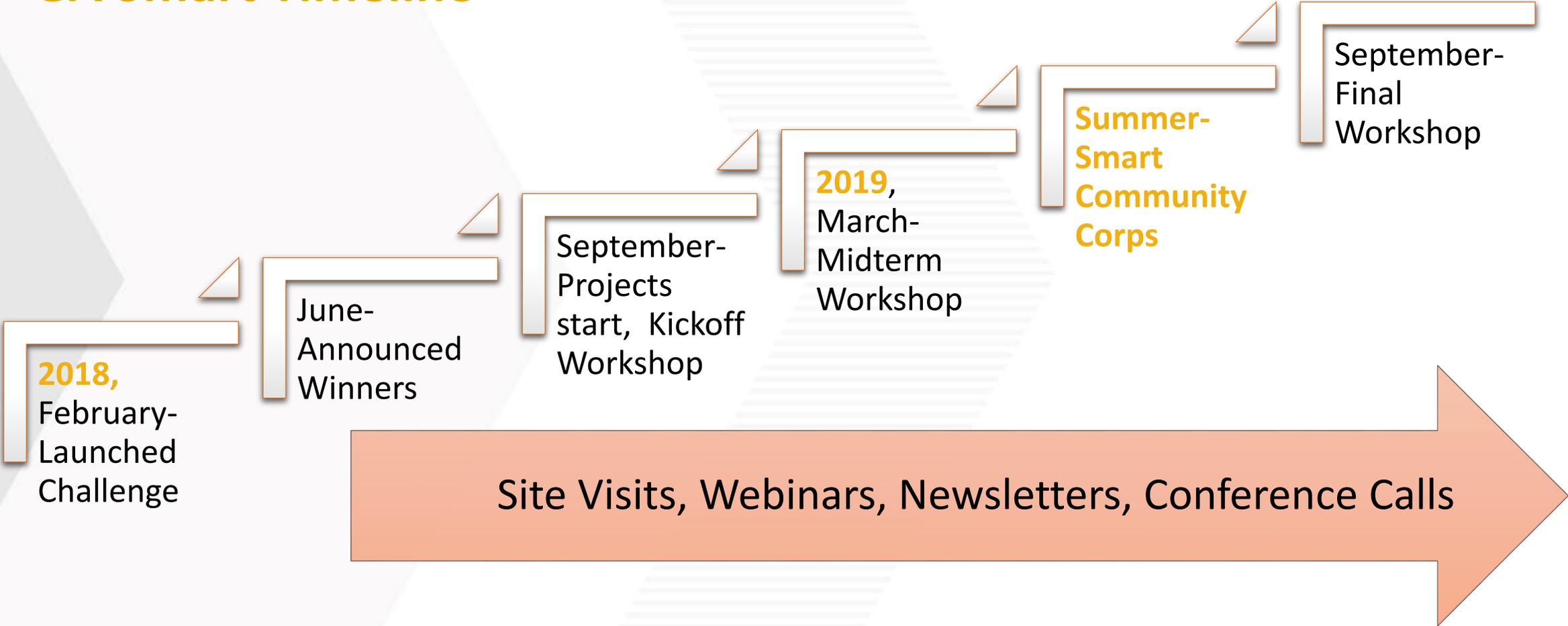
Mission

The **Georgia Smart Communities Challenge** is a first-of-its-kind Grant Challenge for communities of any size in the state of Georgia to receive funding and support to enable four winning communities to envision and plan for their Smart future.

- To spur smart community development throughout GA
- To position GA as a smart community leader



GA Smart Timeline



Projects

Chatham County

City of Savannah,
Creative Coast

Improve flood warnings, emergency response action plans, flood predictions for future flood events

- Test a pilot sensor network for sea level flood risk during natural disasters
- **Kim Cobb, School of Earth & Atmospheric Science**

City of Albany

Dougherty County, DCA, Initiative for Community Housing, Fight Albany Blight

Improve measurement of public funds allocation, neighborhood infrastructure

- Evaluate an automated housing registry to support property inventory management
- **Omar Issac Asenio, School of Public Policy**

Gwinnett County

GDOT, Cities of Berkeley Lake, Duluth, Norcross, Suwanee

Improve connectivity, safety, quality of life

- Evaluate traffic management technologies for improved vehicle mobility
- **Angshuman Guin, School of Civil and Environmental Engineering**

City of Chamblee

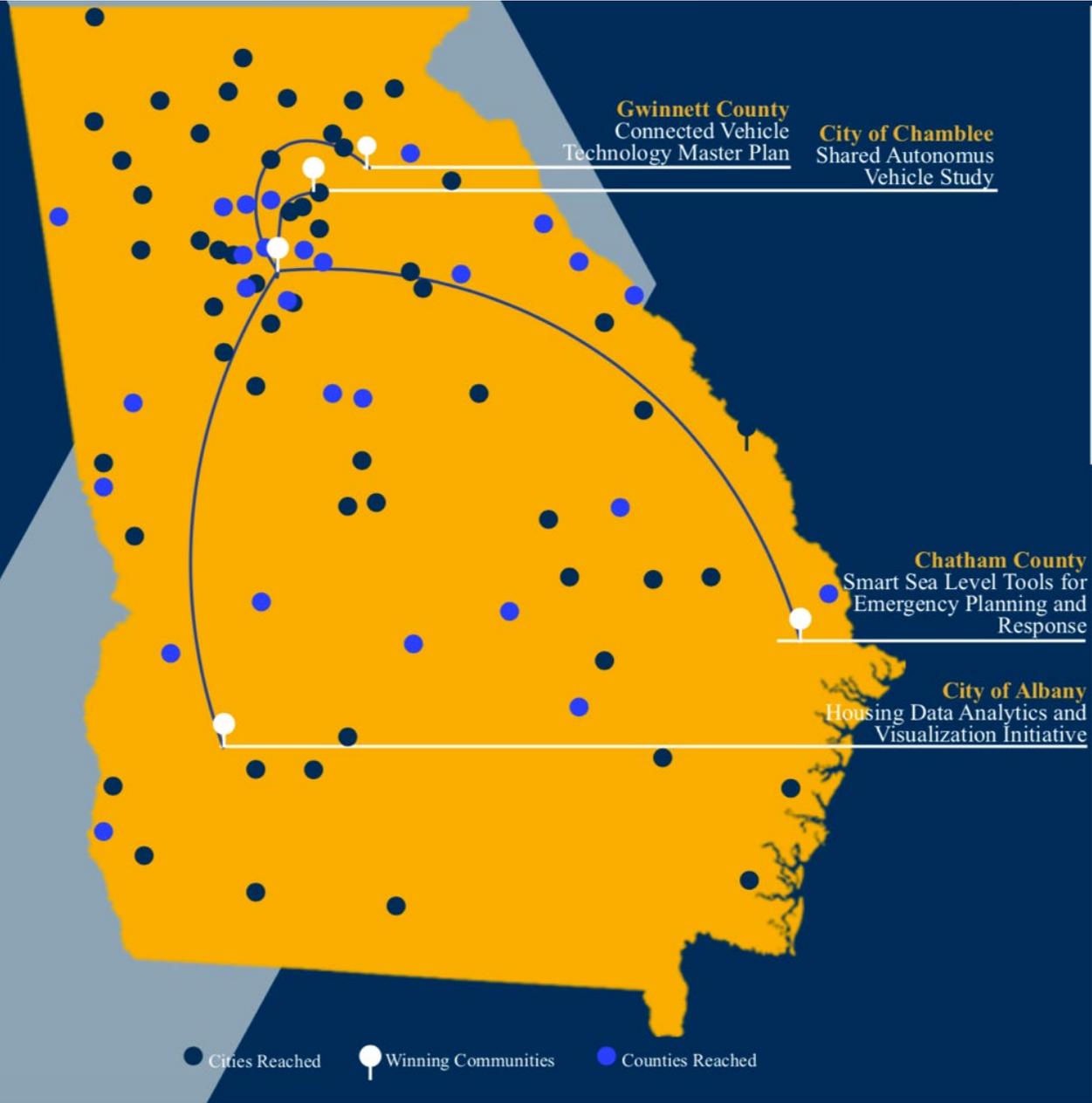
City of Doraville, MARTA, Assembly CID, Stantec

Reduce road congestion, increase pedestrian and traveler safety, improve community equity

- Study mobility improvements using AVs which travel from MARTA stations into the community
- **Ellen Dunham-Jones, School of Architecture**

Georgia Tech led to embed research into practice





2/3 of GA represented

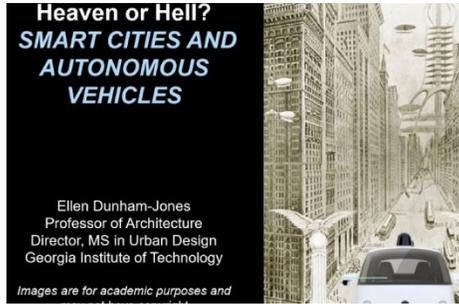




Impact and Outreach

5

webinars



25+

speaking events



By Denisea Patton / September 29, 2017

Georgia Tech Researchers Speak at ARC's ConnectATL Summit

140K

twitter impressions



GT Smart Cities

@GtScii Follows you

40+

national and local news articles



September 2018 eNewsletter



2000

subscriber network

Question

- How to engage with students?
- How to prepare students to led smart cities?
- How to better support communities?
- Research by Nathaniel William Horadam and Abigail Marinelli



DELIBERATE INNOVATION, **LIFETIME EDUCATION**

Final Report • April 2018

COMMISSION ON
CREATING THE NEXT
IN EDUCATION

**#GT
2040**

Georgia
Tech



GT Commitment to Lifetime Education

- “...envisions **continual engagement with learners** that extends from kindergarten to forever. [It] means integration with primary and secondary schools, **flexible learning** options, **connectivity** that enables learning beyond traditional college years, and a **network** that supports learners all over the world.”

Rafeal L. Bras,
Provost and Executive Vice President for Academic
Affairs, Georgia Tech



Smart technology and data can help shape and improve the communities around us. Are you compelled to use your Georgia Tech education for public service?

The Smart Community Corps may be for you!

About

The Smart Community Corps is the first statewide program of its kind to place Georgia Tech students into municipal governments to support smart communities projects

- Fellowship for Georgia Tech undergraduate and graduate students of **all majors**
- One fellow will be placed in each GA Smart Community
- Benefits include:
 - \$5,000 stipend
 - Work experience in smart communities (40 hours/week)
 - Professional mentor
 - Educational seminars
 - GA Smart staff support throughout

Website

<http://smartcities.ipat.gatech.edu/georgia-smart-community-corps>



GT Home > Home > GA Smart Community Corps

GA Smart Community Corps

Smart technology and data can help shape and improve the communities around us. Are you compelled to use your Georgia Tech education for public service? The Smart Community Corps may be for you!

The **Georgia Smart Community Corps** is a paid full-time (40 hours/week) fellowship for civic-minded Georgia Tech students dedicated to creating livable, and equitable communities through smart technology and data implementation over the summer semester. Fellows will be placed in one of Georgia Smart Community Challenge grantees and be part of the project team. We encourage students from all majors to apply (both undergraduate or graduate students). This opportunity is a joint collaboration with the Center for Serve-Learn-Sustain, Center for Career Discovery & Development, and the Student Government Association. It is generously funded by the Strategic Energy Institute.

Learn more at our informational webinar on **Thursday, January 31 at 12pm**: <https://bluejeans.com/517542443>

- [City of Albany | Project Job Description](#)
- [City of Chamblee | Project Job Description](#)
- [Chatham County | Project Job Description](#)
- [City of Gwinnett | Project Job Description](#)

Related Links

[Smart Community Corps Home Page](#)

[Is the Smart Communities Corps for Me?](#)

[Application & Eligibility](#)
[FAQs](#)

Collaborators

[GT Center for Career Discovery & Development](#)

[Serve-Learn-Sustain](#)

[Strategic Energy Institute](#)

[Student Government Association](#)

Contact Information

scii@ipat.gatech.edu

Important Information

Application Now Available

[Apply Here](#)

Website

GT Home > Home > GA Smart Community Corps

GA Smart Community Corps

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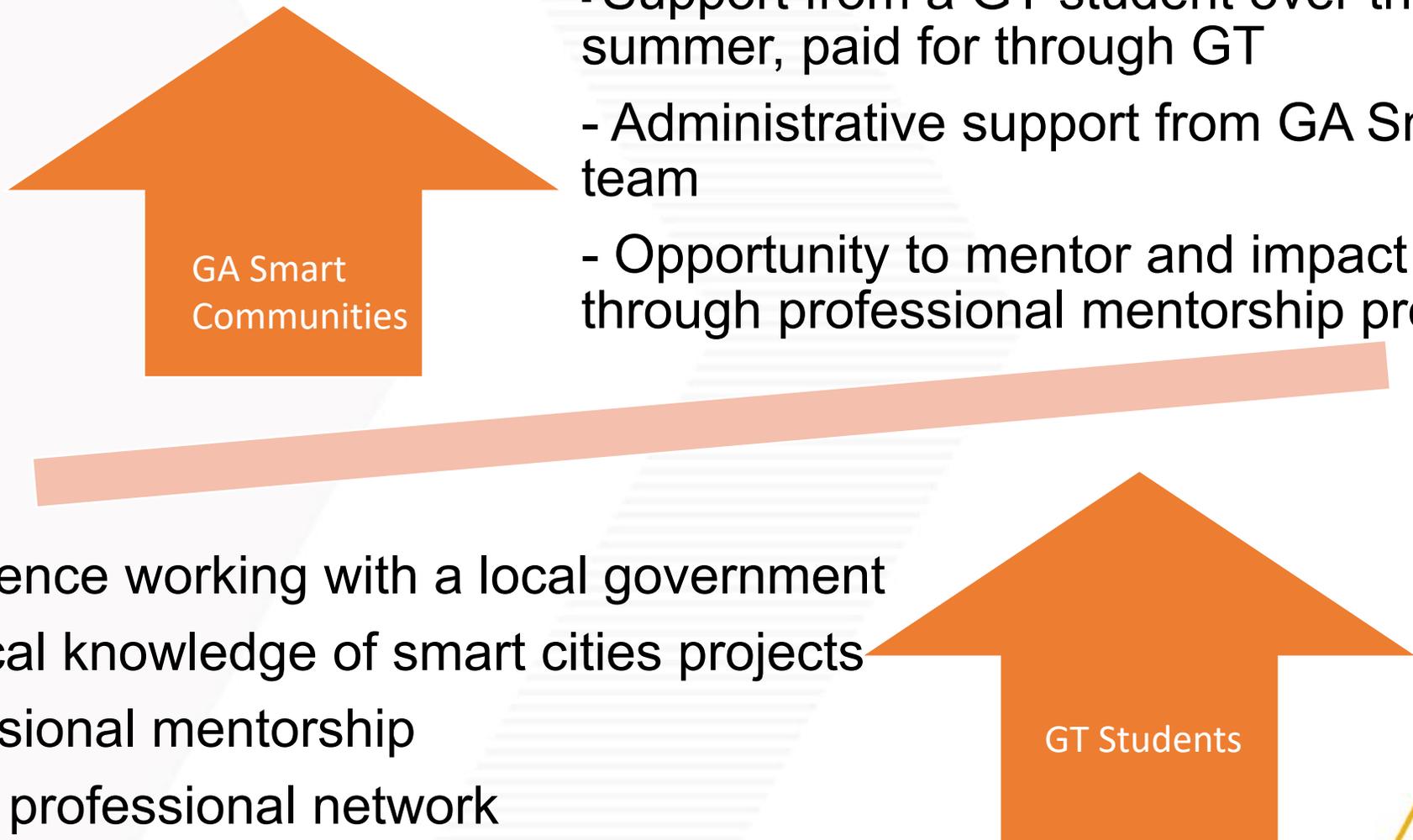
Is Smart Community Corps for me?

Still more questions? Email us!

Learn about project sites

Apply Here!

Program Benefits



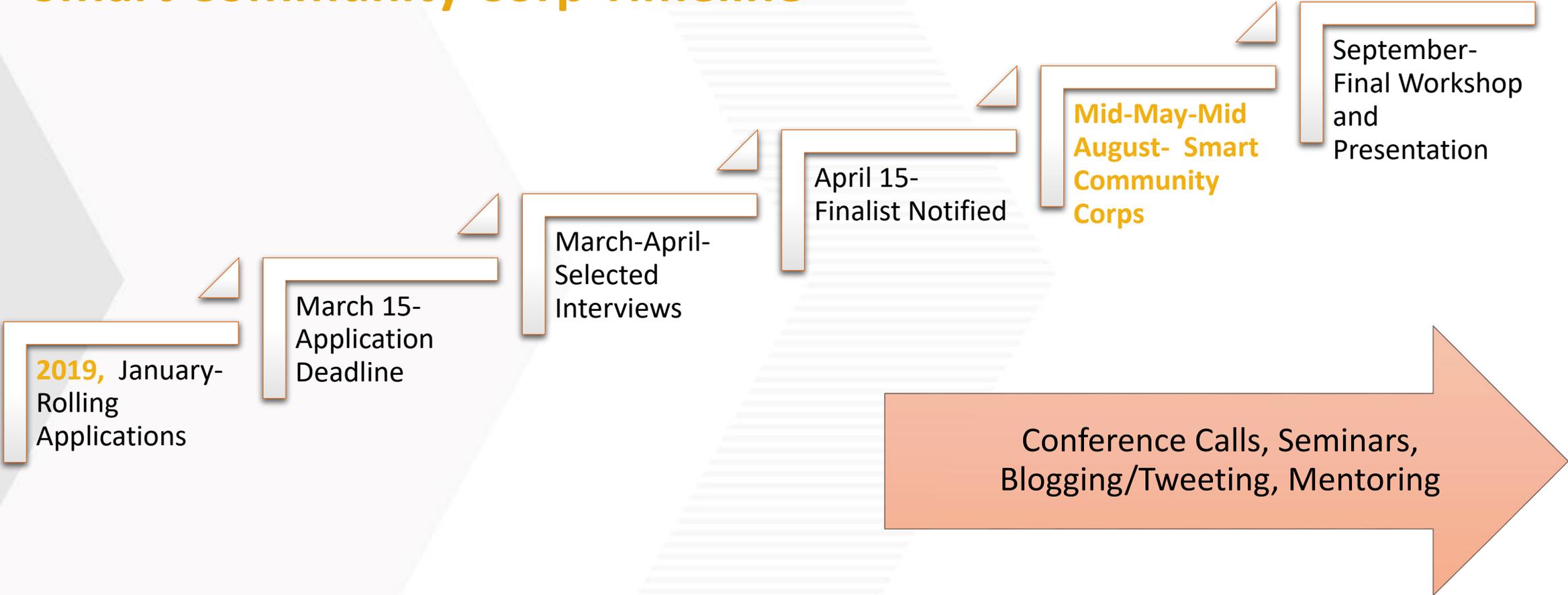
GA Smart
Communities

- Support from a GT student over the summer, paid for through GT
- Administrative support from GA Smart team
- Opportunity to mentor and impact student through professional mentorship program

- Experience working with a local government
- Practical knowledge of smart cities projects
- Professional mentorship
- Widen professional network

GT Students

Smart Community Corp Timeline



Application

Application Requirements
Name
Contact Info
Citizenship Status
College Major / Minor
College Year / MS / PhD
Project Preference Ranking
Written Statements
1. Describe your Professional Aspirations (for mentorship matching)
2. Why are you interested in this fellowship?
Attachments
1. Resume
2. Letter of Recommendation (from Faculty or Employer)



Program Requirements

- Commit to the entirety of the work period
- Program goals set with placement supervisor
- Progress reflections
- Meet with your mentor (in-person or remotely) once a month
- Two weeks of social media presence on the Georgia Smart Communities accounts (Instagram and Twitter)
- Presentation at Georgia Smart Communities Challenge Workshop and at Georgia Tech with SLS

WELCOME TO SERVE-LEARN-SUSTAIN (SLS)

GEORGIA TECH'S
QUALITY ENHANCEMENT PLAN (QEP)
LAUNCHED IN JANUARY 2016

WHAT DOES SLS DO?



SLS works with all six colleges to offer students **opportunities inside and outside the classroom** to collaborate with diverse partners - across the community, nonprofit, government, academic, and business sectors – on key sustainability challenges.

Through SLS, students learn to use the knowledge and skills they are acquiring at GT to help “create sustainable communities.”

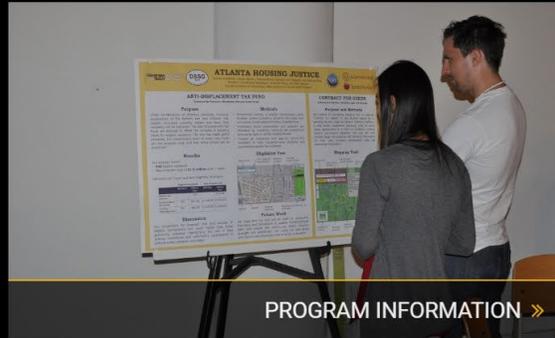
SLS offers 6 [signature programs](#) with different levels of commitment:

Sustainable Cities Minor



[LEARN MORE >>](#)

Innovating for Social Impact



[PROGRAM INFORMATION >>](#)

Internship Program



[PROGRAM INFORMATION >>](#)

Linked Courses



[PROGRAM INFORMATION >>](#)

Events and Workshops



[SEE UPCOMING EVENTS >>](#)

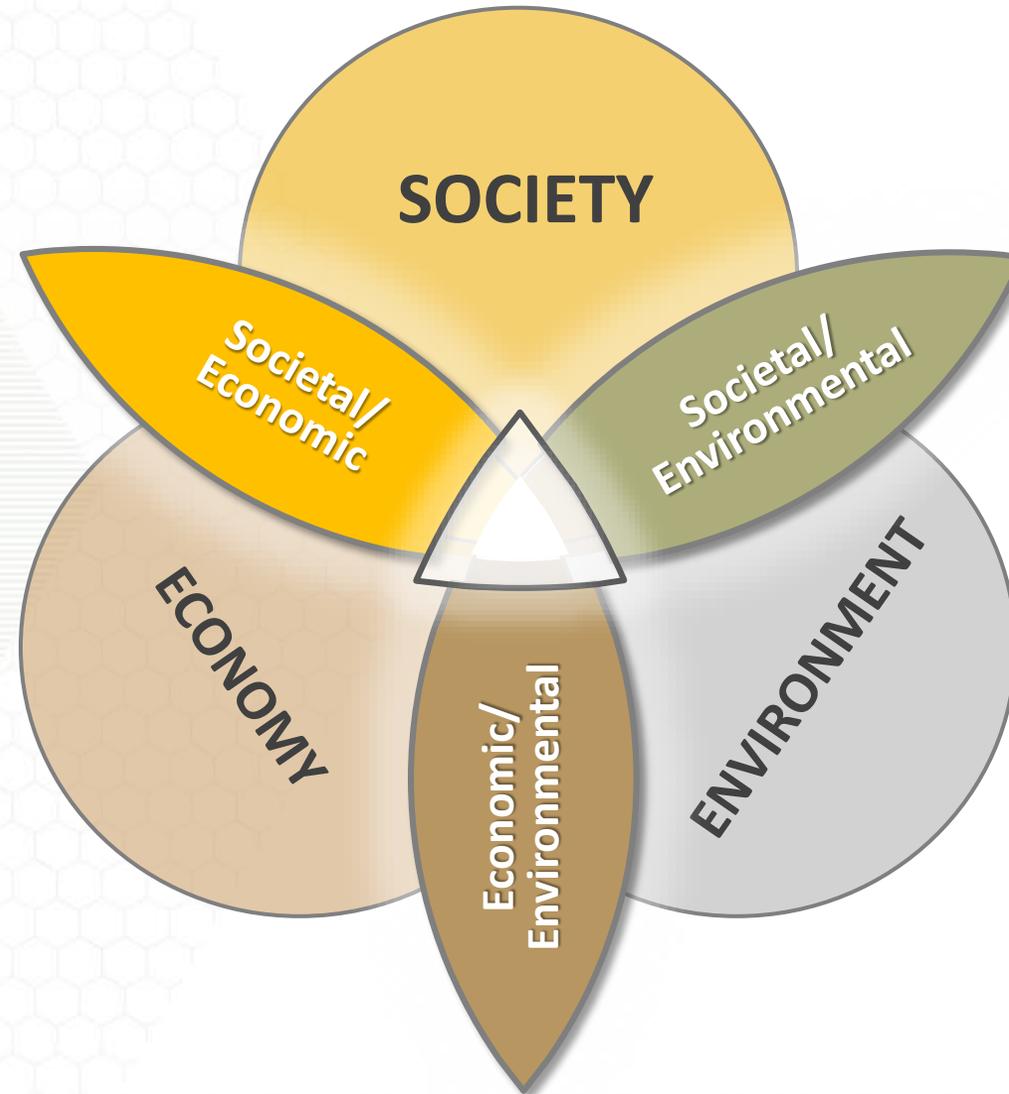
RCE Greater Atlanta



[PROGRAM INFORMATION >>](#)

SLS approaches sustainability:

- as an *Integrated System*
- with a special focus on *Society/Social Sustainability*



SLS APPROACH TO “CREATING SUSTAINABLE COMMUNITIES”

SLS programs focus on these priority sustainable communities issues:



- Community Health
- Equitable & Sustainable Development
- Green Infrastructure, Water & Citizen Science
- Social Innovation
- Climate Change & Energy
- U.N. Sustainable Development Goals (SDGs)

We also offer these additional courses and programs:

Affiliated Courses



SLS Foundation Courses



Study Abroad



SLS SUMMER INTERNSHIP PROGRAM



- Offered **every summer**.
- An opportunity for students looking to **gain real-world experience related to sustainability and community engagement**.
- Interns will **earn internship course audit credit**.
- Can choose between a **part-time (15-20 hours per week) or full-time (30-40 hours per week)** internship.
- Receive a **Living Stipend of \$2500 for a part-time internship and \$5000 for a full-time internship**, paid in two increments over the summer.
 - **Because SLS internships provide course audit credit for our students, the internship is considered unpaid (i.e. interns will not receive a salary).**
- Students participating in the SLS Internship **must enroll in the SLS Internship Summer Seminar**.
 - Meets **one evening every other week for two hours**.
 - Introduces students to **theories of grassroots sustainability innovation**.
 - Provides students with an opportunity to **reflect on their internship experiences**.
 - **One semester of the SLS Internship Program, combined with the internship seminar, fulfills the ENGAGE requirement of the [SLS Innovating for Social Impact Program](#).**

LEARN MORE ABOUT SLS

Visit the SLS website:

www.serve-learn-sustain.gatech.edu

Subscribe to the SLS email list:

<http://sls.gatech.edu/mailling-list/register>

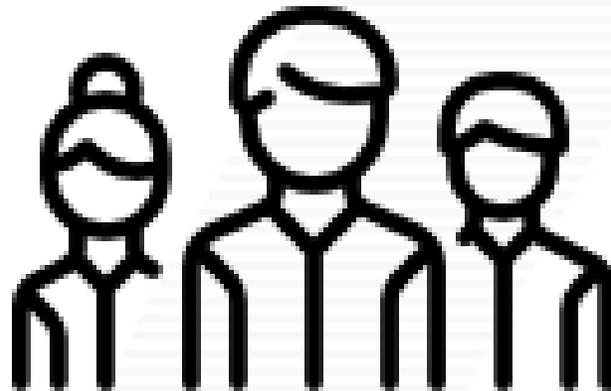
Contact us – we'd love to talk to you!

serve-learn-sustain@gatech.edu



Our Ideal Student

- Demonstrated interest and/or experience in smart technologies
- Demonstrated interest and/or experience in community service
- Skills aligned with project needs (varies per site)



Special thanks to our Collaborators



- Center for Serve-Learn-Sustain
- Strategic Energy Center
- Center for Career Discovery & Development
- Student Government Association.

“I am particularly thrilled about staff working with their GT research partner to help us challenge the status quo, make bold recommendations, experience and adapt technology. Together, using a smart risk approach, we can implement a traffic system which is at the cutting edge of what is possible with recent scientific advances.”

Charlotte Nash, Gwinnett County Board of Commissioners Chairman

Thank you

scii@ipat.gatech.edu