GEORGIA SMART
COMMUNITIES CHALLENGE

CREATING THE NEXT®

GEORGIA SMART

Smart Community Development Grant for Georgia Communities

Informational Webinar

11 March 2019

Georgia Tech

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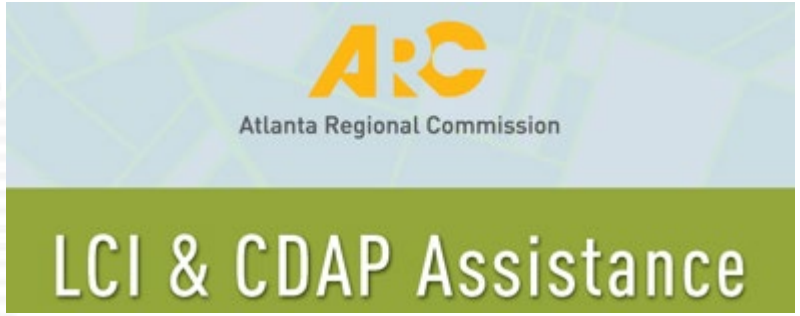
Opportunity

The ***Georgia Smart Communities Challenge*** is a first-of-its-kind grand challenge for communities of any size in the state of Georgia to receive funding and support to empower their smart future.

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

2019 Georgia Smart Communities Challenge

1. ARC Livable Centers Initiative w/ GA Smart
   - Metro-Atlanta Communities
   - Communities submit proposals directly to ARC
   - Smart Mobility and Equity



2. GA Smart
   - Open to all of Georgia
   - Georgia Power Funded Grants
   - Smart Mobility and Resilience

Benefits

- $50,000 grant to your community
- Partnership with a Georgia Tech researcher to perform supporting research for your project
- 3 supporting workshops bringing to you various expertise in Smart Communities
- GT Student engagement in your project through various partnerships
  - Ex. 2018 – Smart Community Corps & Civic Data Science
- Onsite event in your community with Georgia Smart team supporting your project

Partners

Georgia Power

ARC
Atlanta Regional Commission

ACCG
Advancing Georgia's Counties.

Georgia® USA

GEORGIACHAMBER

Georgia® Department of Community Affairs

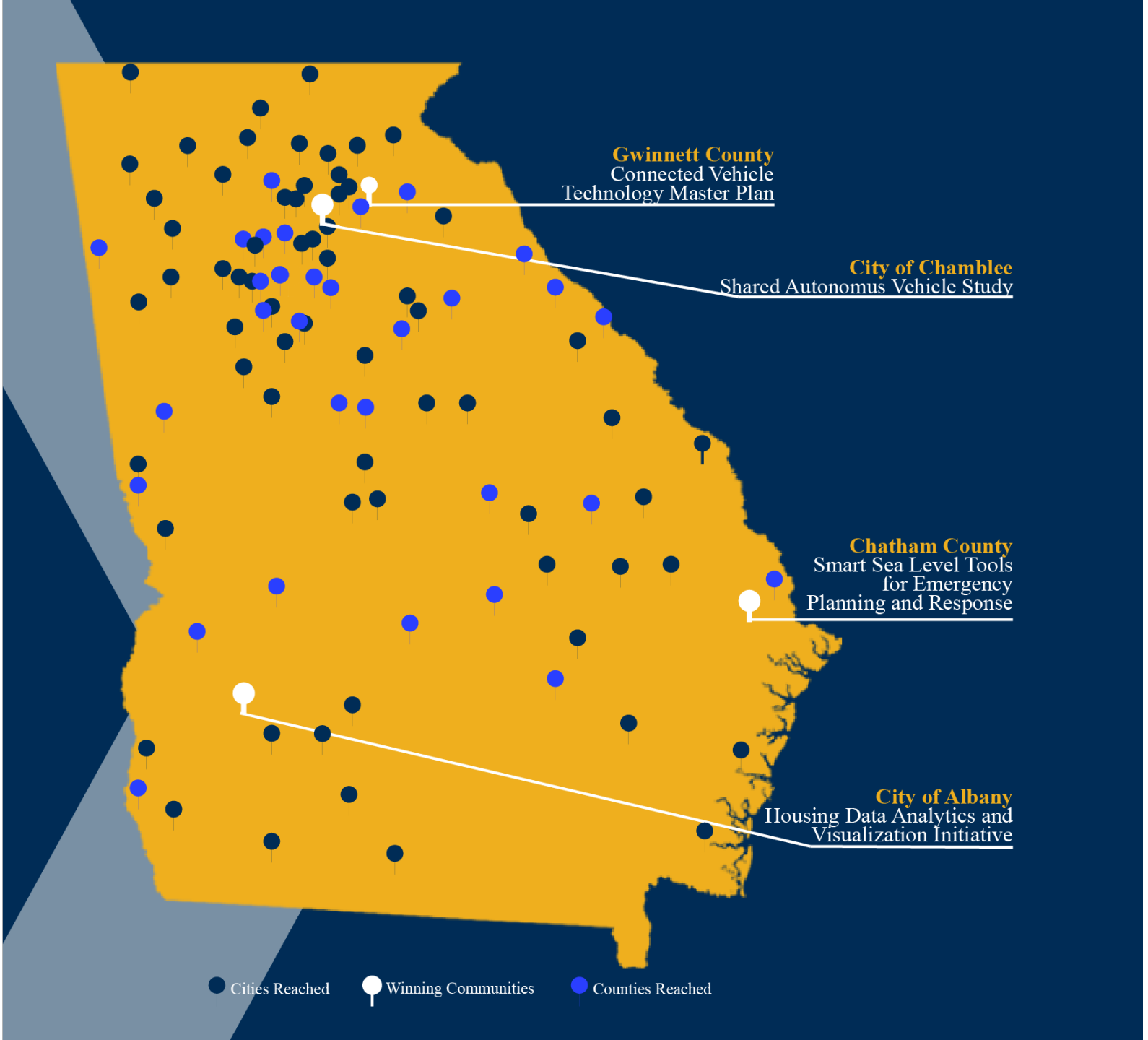
GEORGIA MUNICIPAL ASSOCIATION

METRO ATLANTA CHAMBER

TAG
Technology Association of Georgia

GLOBAL CITY TEAMS CHALLENGE

APA GA
American Planning Association
Georgia Chapter



Over 2/3 of the GA population

Community Impact

24

Stakeholder meetings

16

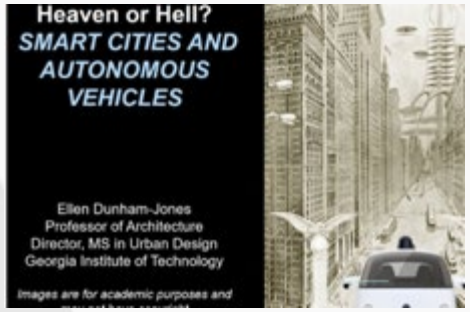
New project partners

Financial Impact

$15M+

Grants & proposals being pursued for future related projects

Outreach



200

Webinar Views

By Denisea Patton / September 29, 2017

Georgia Tech Researchers Speak at ARC's ConnectATL Summit

30+

Speaking events

2000+

Subscriber network

September 2018 eNewsletter

700+

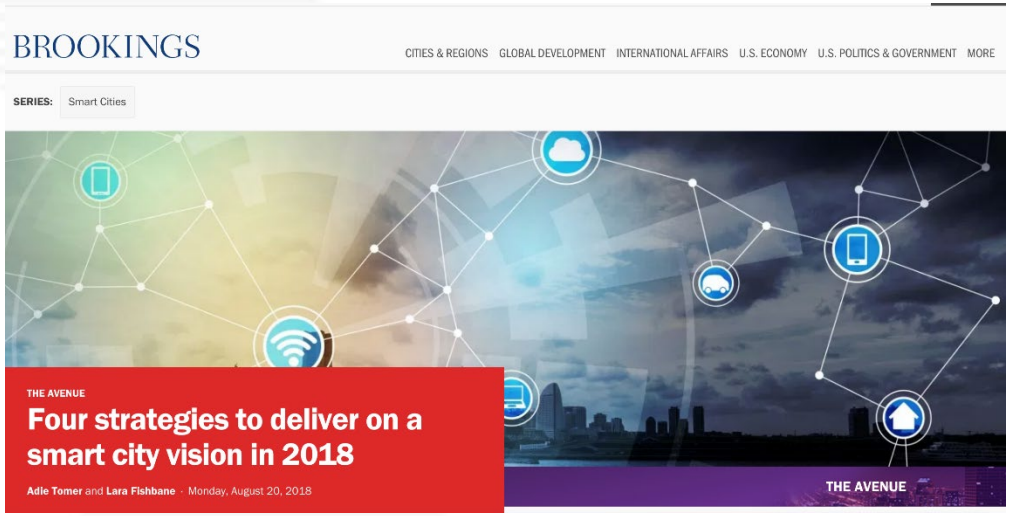
Attendees from events

Georgia Tech

Georgia on the Map

50+

Local and national news

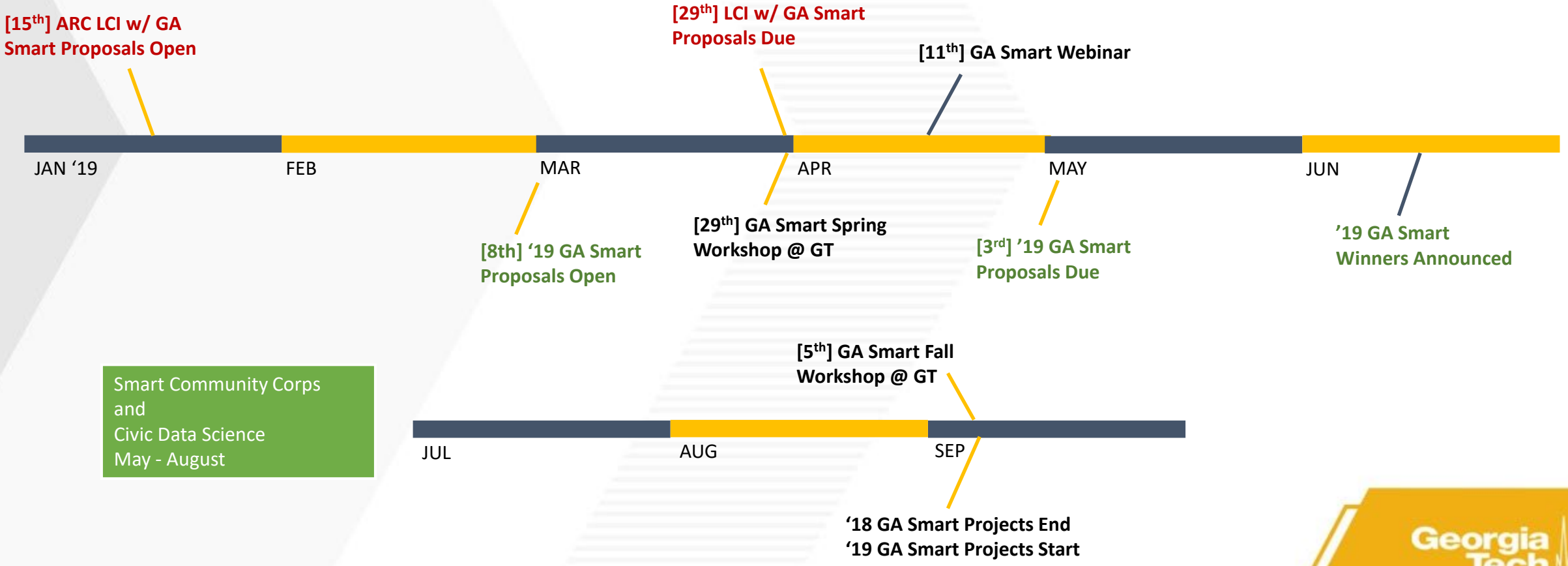


"Critically, Georgia Tech is pursuing statewide efforts to scale digitalization strategies…"

Important Details

- Proposals are written documents comprising your project narrative, execution plan, budget, and supporting documents.
- Your project must be led by a government in Georgia.
- Your project must have an established Georgia Tech research partner before proposal submission – they will help you formulate the research section of the proposal.
- You must provide community matching funds in the same amount as the grant.
  - Up to 80% can be in like-kind services, donations, etc.
  - 20% or more must be in cash

Timeline



Smart Community Corps
and
Civic Data Science
May - August

Important Dates

- Due May 3rd, 2019 before 5pm (EDT).
- Project winners will be announced in mid-June
- Projects will start early September and run for 1 year

GEORGIA SMART
COMMUNITIES CHALLENGE

Challenge Info

Web Address

http://smartcities.ipat.gatech.edu/

2019-georgia-smart-communities-challenge

2019 Georgia Smart Communities Challenge

View | Edit | Webform | Results | Track | Devel

The 2019 Georgia Smart Communities Challenge (Georgia Smart) is **now accepting applications from all Georgia communities**.

Georgia Smart is a competitive one year program that supports local governments of any size within the State of Georgia by providing grant funding and access to technical assistance, expert advice, and a network of peers. Successful applicants will leverage these resources to explore, study, and plan for the use, deployment, and/or integration of smart community technologies into their jurisdictions and operations.

Teams must partner with a Georgia Tech researcher who will assist and advise the team and conduct research in support of the community's needs and goals. Research projects will be designed by the teams in coordination with the Georgia Tech researcher and may include such varied topics as policy development, creation of a technology roadmap, transportation analysis, the development of a prototype or pilot technology or "app" for public engagement, or any other relevant research topic.

Georgia Smart will sponsor a cohort of up to 4 teams this year from the state of Georgia, each executing on their own project plan.

Applicants are highly encouraged to participate in at least one pre-proposal event held by the Georgia Institute of Technology to become acquainted further with this grant opportunity. Applicants who wish to learn more should attend our **Smart Community Growth Workshop** on March 29th, 2019 or our **Informational Webinar** on April 11th, 2019 at noon.

Important Information

Georgia Smart

- Additional information regarding this opportunity can be found in the **Georgia Smart Program Guide** and our **Frequently Asked Questions** page.
- Applicants should use the Application Template to complete their application: **View** | **Download**

Ready to submit your application to Georgia Smart? Apply Here

LCI with Georgia Smart

- Metro-Atlanta communities interested in LCI with Georiga Smart should also visit ARC's LCI **website**.
- For more information on this opportunity, please see **ARC's LCI & CDAP Assistance Application Guidebook**.

Metro-Atlanta communities ready to submit your application to LCI with Georgia Smart? Apply Here

Useful Links

Program Guide
Program Flier
F.A.Q.
Application Template

Apply

GA Smart Application
LCI w/ GA Smart Application

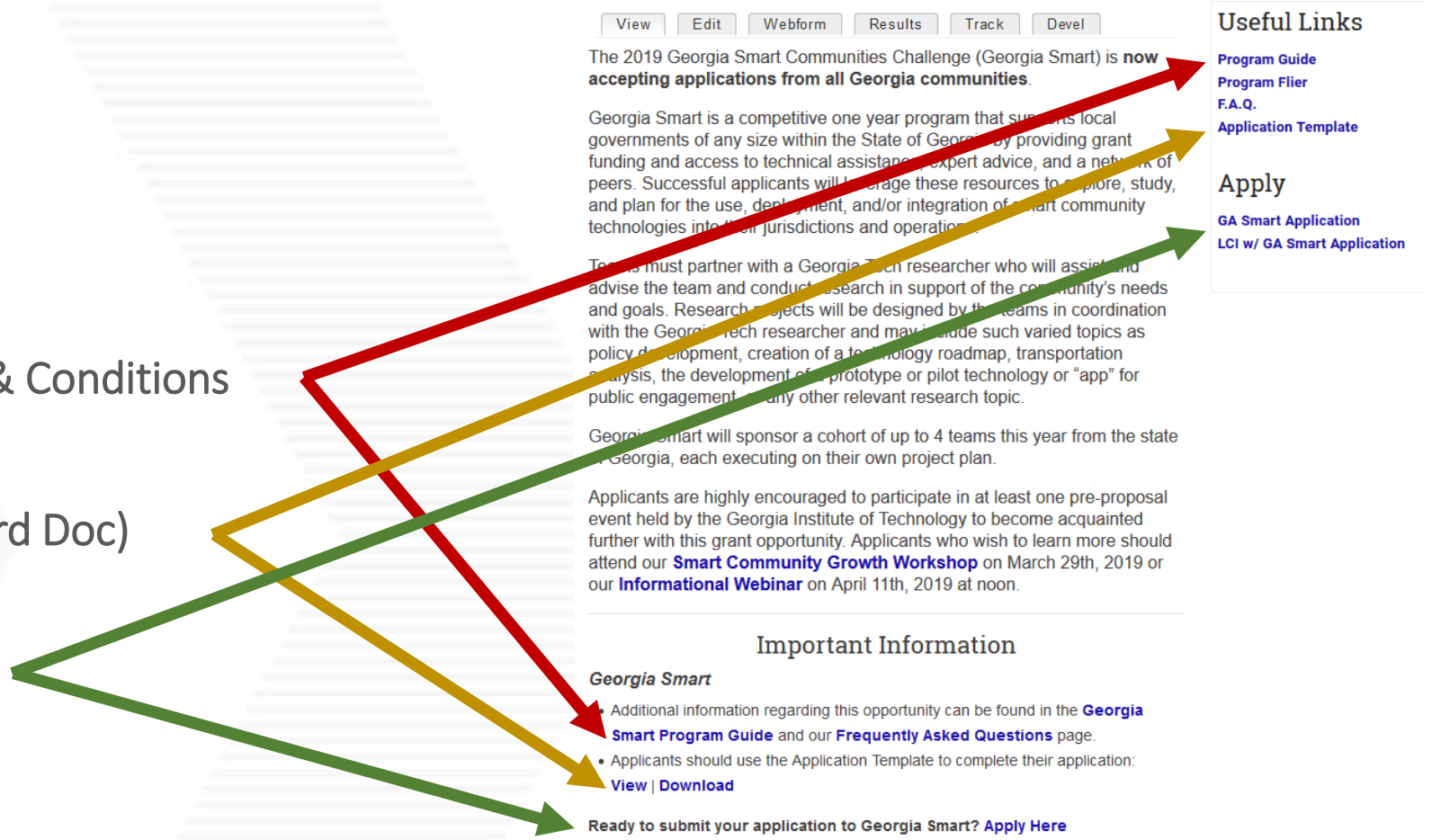
GEORGIA SMART
COMMUNITIES CHALLENGE

Challenge Info

Program Guide w/ Terms & Conditions

Application Template (Word Doc)

Application Portal



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Frequently Asked Questions

What is Georgia Smart?

The Georgia Smart Communities Challenge ("Georgia Smart") is a funding and technical assistance program for local governments within the State of Georgia. Georgia Smart will fund up to four winning communities in Georgia for one year to develop smart communities planning and pilot studies. Georgia Smart will also supply winning communities with technical assistance, mentoring, networking opportunities, and access to global thought-leaders in smart community development.

What is a reasonable Georgia Smart project?

Georgia Smart projects are one-year projects that kick-start a community's smart transformation. These first-year projects should be planning and pilot studies. This means that communities should propose to do work under this first-year plan of action that allows the community to study its issues, enumerate specific solutions, assess alternatives, create implementation plans, estimate costs, identify and develop future resources, establish networks, and refine its guiding framework. Conversely, the first-year plan should not include developing, or deploying smart communities technologies on a large scale, other than as would be necessary to support the planning efforts described, above.

An example project will likely have several components. Such components may include identifying specific needs within the community; measuring, studying, and characterizing current conditions; identifying and testing technology alternatives to address issues; studying the impacts of new technologies on the community and considering possible mitigations any potential ill-effects; engaging with community residents and businesses; networking with near-peers, mentors, and experts; participating in conferences and training sessions to grow smart cities expertise; identifying future opportunities; gathering resources and building capacity for future efforts; refining the smart community's framework and organizational makeup; and other activities.

Ask a Question

Name *

Email Address *

Community/Organization *

Title

Question *

Submit

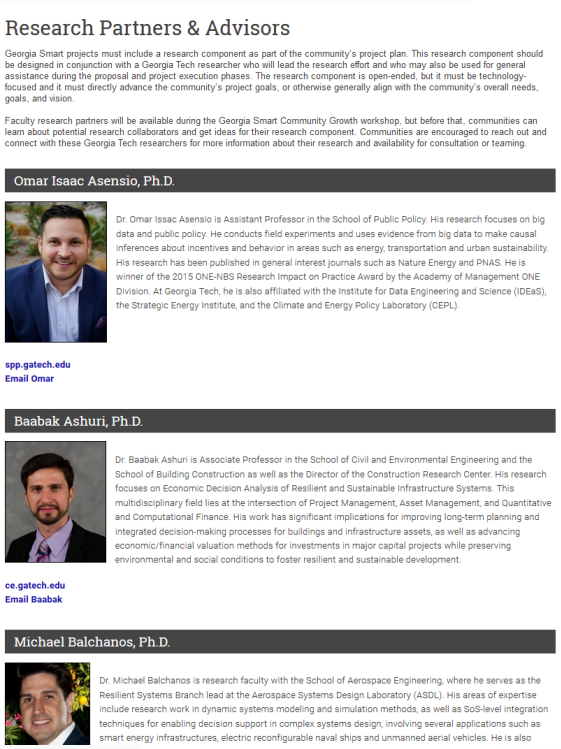
Quick F.A.Q.

- Yes, you can collaborate on more than 1 proposal but can only be LEAD govt. on 1 proposal
- Lead governments must supply a letter of understanding (mayor, city manager, city council, etc)
- Projects must be in topics related to Mobility and Resilience
  - Must support 1 of the required use cases defined in the Program Guide

- **Examples of use cases:**
  - Safety & Security
  - Traffic & ITS
  - Parking
  - Electric Vehicles for improved access
  - Smart lighting
  - Digital Signage
  - Infrastructure Resilience
  - Creative uses for lighting poles

GT Researchers List

- Access from the homepage or link in the Useful links area



Research Partners & Advisors

Georgia Smart projects must include a research component as part of the community's project plan. This research component should be designed in conjunction with a Georgia Tech researcher who will lead the research effort and who may also be used for general assistance during the proposal and project execution phases. The research component is open-ended, but it must be technology-focused and it must directly advance the community's project goals, or otherwise generally align with the community's overall needs, goals, and vision.

Faculty research partners will be available during the Georgia Smart Community Growth workshop, but before that, communities can learn about potential research collaborators and get ideas for their research component. Communities are encouraged to reach out and connect with these Georgia Tech researchers for more information about their research and availability for consultation or teaming.

Omar Isaac Asensio, Ph.D.

Dr. Omar Issac Asensio is Assistant Professor in the School of Public Policy. His research focuses on big data and public policy. He conducts field experiments and uses evidence from big data to make causal inferences about incentives and behavior in areas such as energy, transportation and urban sustainability. His research has been published in general interest journals such as Nature Energy and PNAS. He is winner of the 2015 ONE-NBS Research Impact on Practice Award by the Academy of Management ONE Division. At Georgia Tech, he is also affiliated with the Institute for Data Engineering and Science (IDEaS), the Strategic Energy Institute, and the Climate and Energy Policy Laboratory (CEPL).

spp.gatech.edu
Email Omar

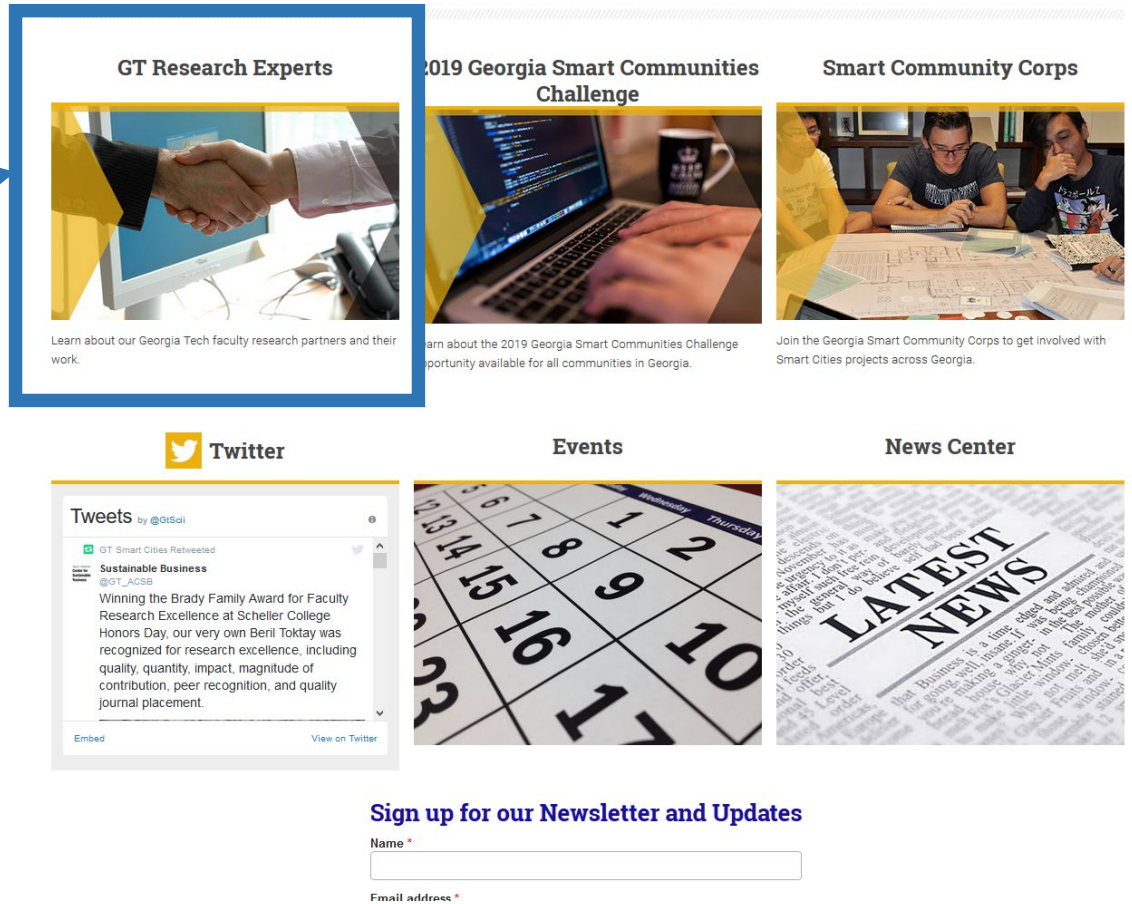
Baabak Ashuri, Ph.D.

Dr. Baabak Ashuri is Associate Professor in the School of Civil and Environmental Engineering and the School of Building Construction as well as the Director of the Construction Research Center. His research focuses on Economic Decision Analysis of Resilient and Sustainable Infrastructure Systems. This multidisciplinary field lies at the intersection of Project Management, Asset Management, and Quantitative and Computational Finance. His work has significant implications for improving long-term planning and integrated decision-making processes for buildings and infrastructure assets, as well as advancing economic/financial valuation methods for investments in major capital projects while preserving environmental and social conditions to foster resilient and sustainable development.

ce.gatech.edu
Email Baabak

Michael Balchanos, Ph.D.

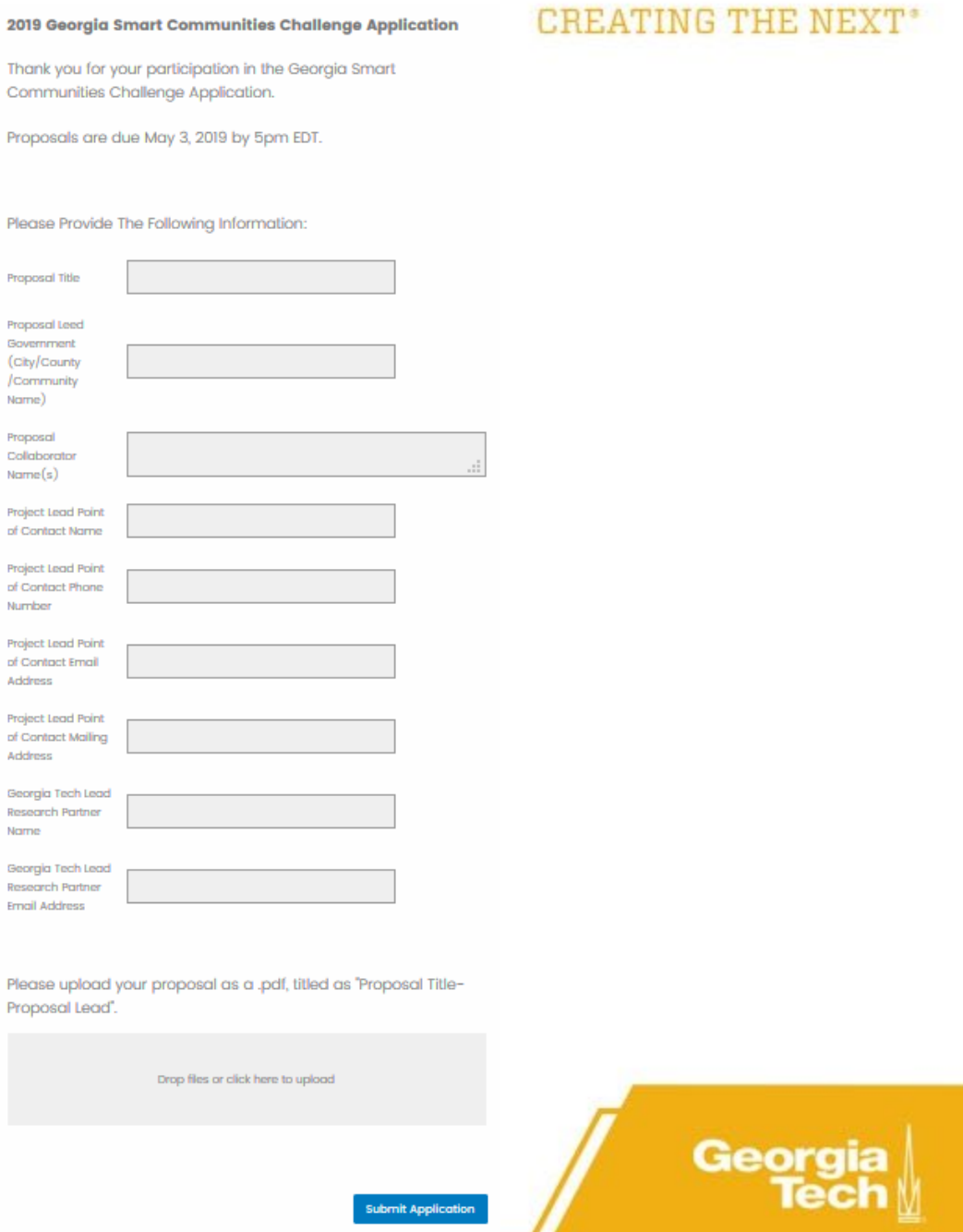
Dr. Michael Balchanos is research faculty with the School of Aerospace Engineering, where he serves as the Resilient Systems Branch lead at the Aerospace Systems Design Laboratory (ASDL). His areas of expertise include research work in dynamic systems modeling and simulation methods, as well as SoS-level integration techniques for enabling decision support in complex systems design, involving several applications such as smart energy infrastructures, electric reconfigurable naval ships and unmanned aerial vehicles. He is also



Application

- Proposal Title
- Lead Government
- Collaborators/Partners
- Project Lead (Individual POC)
- POC Contact Info
- Georgia Tech Researcher Lead (Individual POC)
- GT POC Contact Email

- Proposal (Upload as a PDF)



2019 Georgia Smart Communities Challenge Application

CREATING THE NEXT®

Thank you for your participation in the Georgia Smart Communities Challenge Application.

Proposals are due May 3, 2019 by 5pm EDT.

Please Provide The Following Information:

Proposal Title

Proposal Lead Government (City/County /Community Name)

Proposal Collaborator Name(s)

Project Lead Point of Contact Name

Project Lead Point of Contact Phone Number

Project Lead Point of Contact Email Address

Project Lead Point of Contact Mailing Address

Georgia Tech Lead Research Partner Name

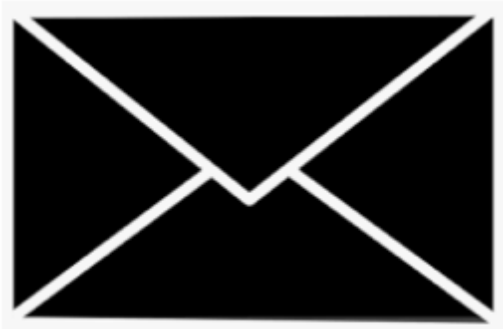
Georgia Tech Lead Research Partner Email Address

Please upload your proposal as a .pdf, titled as "Proposal Title-Proposal Lead".

Drop files or click here to upload

Submit Application

smartcities.gatech.edu/georgia-smart



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