

School of Public Policy

# School Chair Search 2020

The Georgia Tech School of Public Policy will be a global leader in foundational knowledge, policies and governance of the scientific, engineering and innovation ecosystem.

## Our Mission

The School of Public Policy will translate ideas into solutions to public problems related to science and technological innovation.

We will train students to analyze problems requiring multidisciplinary approaches, multinational perspectives and multipurpose applications.

We will collaborate across broad spectrums of science and technology domains, educate and train future analysts and policymakers, with honed talents in evaluation and ethics, policy analysis, and broadening societal impacts of STEM talent.

For more information, please about the School of Public Policy, please visit [spp.gatech.edu](http://spp.gatech.edu). For more information about the search process, please email [sppchairsearch@gatech.edu](mailto:sppchairsearch@gatech.edu).



Georgia Institute of Technology is engaged in an international search for an equitable, inclusive, and visionary Chair of the School of Public Policy (SPP) within the Ivan Allen College of Liberal Arts. SPP is a deliberately interdisciplinary and global leader in the areas of Energy, Climate and Environmental Policy; Ethics and Philosophy of Science and Technology; Information and Communications Technology Policy; and Science, Technology, and Innovation Policy. The Chair will be a distinguished colleague and proven leader whose demonstrated scholarly record warrants appointment at the rank of full professor. The ideal candidate must be an effective communicator and advocate for the School to inspire and articulate our vision for continued growth and development, enhancing our reputation nationally and internationally. The Chair should champion equally all academic programs and research areas, cultivate collegiality and collaboration, and model empathy, integrity, and transparency. To sustain and elevate SPP's established stature, the Chair should bring to this position an ambition for directing fundraising and development activities and furthering sponsored research. For additional information about SPP as well as expected leadership and administrative management responsibilities for the position, please consult the detailed profile available at <http://iac.gatech.edu/about/public-policy-chair-search>.

Georgia Tech is a top-ranked public research university situated in the heart of Atlanta, a diverse and vibrant city with great economic and cultural strengths. The Institute is a member of the University System of Georgia, the Georgia Research Alliance, and the Association of American Universities. We are proud of our technology resources, collaborations, high-quality student body, and global impact, and we believe that diversity, equity, and inclusion are foundational to creating the most exciting and successful academic communities. Therefore, we seek candidates whose demonstrated commitment to diversity as well as excellence in teaching, research, professional activities, and community service will make them vital contributors to our shared programmatic vision. We are especially interested in applicants who will work effectively with students, faculty, and staff from a variety of backgrounds, including: racial and ethnic minorities, women, individuals who identify with LGBTQ+ communities, individuals with disabilities, individuals from lower income backgrounds, and/or first-generation college graduates.

Applicants should submit a letter of application addressing how their background and experience might intersect with, amplify, and advance SPP's existing strengths. The letter of application should include the applicant's leadership philosophy, research agenda, and commitment to diversity, equity, and inclusion in higher education. Please also include a curriculum vitae and the names and contact information for at least three references. Application materials should be submitted in a single .PDF file to [sppchairsearch@gatech.edu](mailto:sppchairsearch@gatech.edu). Nominations for the position may be directed to Dr. Richard Utz, Search Committee Chair ([richard.utz@lmc.gatech.edu](mailto:richard.utz@lmc.gatech.edu)). Questions about the application process should be directed to William Jimerson, Director of Human Resources ([wjimerson3@gatech.edu](mailto:wjimerson3@gatech.edu)). Candidates are encouraged to apply by October 31, 2020, for optimal consideration; however, the search will continue until the position is filled.

A background check must be completed prior to employment. Georgia Tech is an equal education/employment opportunity institution dedicated to building a diverse community. We strongly encourage applications from women, underrepresented minorities, individuals with disabilities, and veterans. Georgia Tech has policies to promote a healthy work-life balance and is aware that attracting faculty may require meeting the needs of two careers.



## **White Paper Supporting the Chair Search**

### **for the School of Public Policy**

**September 16, 2020**

#### **Introduction**

In alignment with the new mission statement adopted by Georgia Tech, the School of Public Policy (SPP) contributes integrally to Georgia Tech's core mission to "*develop leaders who advance technology and improve the human condition.*" We do so by being one of the top programs in the world focused on the interface of public policy and advances in science, technology and innovation. In *U.S. News and World Report* rankings the School is #2 in information technology management and #11 in energy and environmental policy. SPP is consistently ranked in the top 50 of schools of public affairs and administration.

Founded in 1990, SPP is a member of the Association of Public Policy and Management as well as the Network of Schools of Public Policy, Affairs, and Administration. It is one of six schools in the Ivan Allen College of Liberal Arts. The School faculty consists of 28 tenured and tenure-track faculty members, 2 faculty with joint appointments in the Schools of City and Regional Planning as well as Industrial and Systems Engineering, and 5 members of the research faculty. There are 4 academic professionals working with the School and 3 faculty emeriti. SPP also houses an applied research and policy unit, the Center for Advanced Communications Policy, which has a staff of 10 research and administrative professionals, and works closely with a wide range of GT and external researchers.

#### **Distinctive Characteristics of the School of Public Policy**

*Interdisciplinary Faculty:* Collectively we have assembled one of the most interdisciplinary faculty in the world among schools of public affairs and policy. Within our School the disciplines most commonly found in public policy schools are well represented: political science, economics, public policy and public administration. Beyond this, a healthy collection of sociologists, philosophers, lawyers, and engineers also are members of the faculty. What unites us is our research and scholarship in social issues related to advances in science, technology, and innovation.

*Sponsored Research:* SPP has been highly successful in generating grants and sponsored research projects. Within the Ivan Allen College we have the largest portfolio of sponsored research of the six member schools. These funds provide our graduate and undergraduate students with an abundance of opportunities for participating in research on applied policy problems. We have created a strong culture supporting the research endeavors of our faculty and students as well as the research faculty in the Center for Advanced Communications Policy. Our research has resulted in notable contributions to the academic literature and generated significant real world consequence.

*Growing Academic Programs:* All of this enriches our curriculum and enhances the learning opportunities for our students. SPP is growing at the undergraduate and graduate levels both in terms of the number of students served and the number of degree programs offered. There are approximately 365 students seeking degrees through the School with roughly 200 in the residential programs and 165 in the online program. The following degrees are currently offered through the School (\* indicates a recently created degree):

- *Degrees for Undergraduates:* Bachelor of Science in Public Policy; 5 year BS/MS in Public Policy
- *Master's Degrees:* Master of Science in Public Policy (2-year degree); Master of Science in Cybersecurity (residential)\*; Master of Science in Cybersecurity (online)\*; Master of Sustainable Energy and Environmental Management\*; Dual Master Degree in Public Policy with the School of City and Regional Planning at Georgia Tech
- *Doctoral Degrees:* Doctoral Degree in Public Policy; Joint Doctoral Degree in Public Policy with the Andrew Young School of Policy at Georgia State University.

*Policy Engagement:* Another distinctive feature of SPP is our level of interaction with policymakers and organizations engaged in regulatory activities and policy implementation. The talent, experience, and dedication of our faculty routinely inform policy decision-making by bringing rigorous data analytics and policy analysis to timely policy debates. Our work has been used or cited in numerous federal and international regulation and policymaking, especially in the fields of environmental science, information and communication, science and technology policy, and public health. We do this as an outgrowth of research conducted by faculty and our research centers.

## **Research Concentrations in the School of Public Policy**

Faculty and students routinely engage in collaborative research within the School, with projects conducted throughout the Georgia Tech campus, and through partnerships with researchers from peer institutions. Our largest areas of research are in the following concentrations:

*Energy, Climate and Environmental Policy:* SPP has developed outstanding programs in this area of concentration. The **Climate and Energy Policy Laboratory** links faculty from a variety of disciplines in the study of environmental conditions, energy resources, technologies and social systems that influence and comprise governance approaches. Last year faculty from this concentration launched the **Master of Sustainable Energy and Environmental Management (MSEEM)** and the **Certificate of Sustainable Energy and Environmental Management (CSEEM)**. Students can complete an MSEEM degree in one year and access related courses from across the Institute, in Business, City and Regional Planning, Civil and Environmental Engineering, and Economics, among others. CSEEM is the first stand-alone certificate program offered at Georgia Tech; it is open to students with Public Policy and other degrees.

*Ethics and Philosophy of Science and Technology:* The School of Public Policy is also the home of programs in philosophy at Georgia Tech. Our philosophy faculty have organized a variety of research centers including the **Center for Ethics and Technology** aimed at fostering a culture of critical inquiry and deliberation regarding the ethics of technological systems, as well as the **Philosophy of/as Interdisciplinary Network** aimed at overcoming the boundaries of disciplinary inquiry. The faculty in this concentration offer a Minor and a Certificate in



Philosophy. Our core curriculum in the undergraduate and graduate programs also includes courses on ethics and public policy. Faculty in this concentration provide leadership in ethics instruction for engineering and responsible research to the Institute.

*Information and Communications Technology (ICT) Policy:* The faculty's research and teaching in ICT policy addresses global governance of the Internet; cybersecurity policy; privacy; and online social movements, issues of technological accessibility and inclusion, and digital politics. Faculty in this concentration lead the **Internet Governance Project** which focuses on global Internet policy, Internet resource management, and cybersecurity. SPP has recently launched two **Master of Science in Cybersecurity** degrees through residential and online modes of instruction. The online Cybersecurity degree has exhibited rapid growth, becoming the largest master's degree offered by SPP. Both degrees were developed in collaboration with the College of Computing and the School of Electrical and Computer Engineering. The **Center for Advanced Communications Policy** serves as a significant node of research activity with several major programs including the Rehabilitation Engineering Research Center on Wireless Inclusive Technologies (Wireless RERC), the GT HomeLab, a testbed for industry related research in accessibility and usability, and the globally recognized Center for the Development and Application of Internet of Things Technologies (CDAIT).

*Science, Technology and Innovation Policy:* SPP has long been known as one of the top programs in science, technology and innovation policy in the world. Researchers and students explore how countries around the world build and sustain a highly skilled technical workforce, maintain a vital research and development enterprise, facilitate the translation of research into commercial realities, and incorporate public views into decisions around innovation and regulation.

Faculty in this concentration conduct research in data analytics for science and innovation through the **Technology Policy Assessment Center**. The **Center for the Study of Women, Science, & Technology (WST)** promotes the recruitment, retention, and advancement of female students and faculty in science, technology, engineering and, math (STEM) fields. The **Innovation Co-Laboratory** is a collaboration between Georgia Tech, the University of Manchester (UK), and the Beijing Institute of Technology. We also offer a **Certificate in Intellectual Property** for undergraduate students.

*Traditional Concentrations:* In addition to these large areas of concentration SPP also has faculty focused in core areas of policy studies including policy analysis and program evaluation, public management and administration, policy processes, and leadership. SPP is also home to **Georgia Tech's Law, Science, and Technology Program**, that offers a curriculum at the graduate and undergraduate levels, utilizing both SPP faculty and part-time attorney lecturers, and includes an undergraduate Minor in Law, Science, and Technology, as well as Certificates in Pre-Law and Intellectual Property.

## **Faculty Leadership**

SPP has been highly engaged in shaping intellectual inquiry in issues related to our areas of policy expertise. Faculty members are actively involved with a number of policy related organizations in leadership capacities. SPP is the home to the Atlanta Conference on Science and Innovation Policy which is one of the leading research conferences in the world. Faculty members serve as editors of prestigious journals including: *Research Policy*, *Research*

*Evaluation*, and *Energy Policy*. Faculty also serve as editors of prestigious book series and book reviews including *Postphenomenology and the Philosophy of Technology*, and *Techné-Research in Philosophy & Technology*.

The intellectual leadership of SPP has been recognized by several prestigious research organizations. Faculty members have recently been elected as fellows of the National Academy of Science, the National Academy of Engineering, the American Association for the Advancement of Science, and the National Academy of Public Administration. Faculty members have also won prestigious CAREER awards from the National Science Foundation recognizing their early contributions to the field. Our current interim Chair is a co-recipient of the Nobel Peace Prize in 2007 for co-authorship of the Intergovernmental Panel on Climate Change Working Group III Assessment Report.

### **The Georgia Tech Mission and the Trajectory of the School of Public Policy**

Recent events point to the critical importance of developing policy leadership that pursues public decision-making informed by a deeper understanding of science and technology. To do so the School embraces the following key goals. These goals build upon on-going and vibrant discussions within the Georgia Tech community as we develop our new strategic plan under the leadership of Dr. Angel Cabrera.

- SPP is already recognized for the expertise of faculty and the quality of students. Building upon this we serve as a vital information source for decision-makers in government, business, and non-governmental organizations, and expand on our existing strengths in experiential, problem-based learning. Our impact is amplified through the **alumni** of the school who pursue a wide range of professions in industry, nonprofits, and public sector positions of leadership at all levels of government.
- SPP has made significant investments in faculty with the capacity to understand trends in the public and private sectors and to provide knowledge regarding innovation and research focused partnerships. Our recent hires of junior faculty with deep skills in data analytics and big data has added to our ability to identify trends in innovation that can inform the strategies of companies and agencies. Work undertaken by the Center for Advanced Communications policy frequently involves bridging the gulf between theoretical and applied specialties as well as between industry and academic researchers.
- We are creating opportunities for students and faculty to engage globally through the creation of the Sustainable Development and Climate Change summer program in Venice, Italy, which allows students to explore how cities struggle for sustainable economic and environmental development in the face of sea-level rise. The Innovation Co-Laboratory provides a venue for connecting students to innovation studies in the European Union, the United States, and China. Faculty members have also established research programs in South Africa and the countries comprising South America. The Center for Advanced Communications Policy has long had an important international portfolio with several engagements with countries in the European Union and Canada.
- SPP has a long tradition of providing financial support to students in the graduate programs. Recent expansion of our degree and certificate programs (such as MSEEM,

CSEEM, and Cybersecurity) create more flexible pathways for professionals to access our programs and achieve more targeted learning objectives throughout their careers.

- The School is the center of ethics education on the Georgia Tech campus. As such we focus on the whole person and the larger ethical impacts of technical and science-based decision making. In addition, SPP is the home of several program evaluators that assist the development of innovative engineering and science education programs. In doing so we explore both the impacts of the higher education innovation and the formative and value foundations of these innovations.

The Georgia Tech campus is situated in the heart of Atlanta, a diverse and vibrant city with great economic and cultural strengths. The Institute is a member of the University System of Georgia, the Georgia Research Alliance, and the Association of American Universities. Georgia Tech prides itself on its technology resources, collaborations, high-quality student body, and its commitment to diversity, equity, and inclusion. The School of Public Policy is centrally located on the campus on Tech hill.

## **Leadership and Administrative Management Expectations for School Chairs**

### **Leadership**

1. Convey a vision for the school that aligns well with the Georgia Tech Strategic Plan and the priorities of the Ivan Allen College.
2. Facilitates the setting and implementation of strategic goals and measures by:
  - Individuals
  - Programs
  - The school as a unit
3. Actively pursues opportunities to support and advance the school's mission and priorities.
4. Uses school resources effectively, efficiently, and equitably.
5. Creates effective working relationships with constituencies within and outside of Georgia Tech.
6. Encourages collaborations and connections beyond the school with:
  - Other IAC units
  - Other GT colleges
  - Other institutions/organizations locally
  - Other institutions/organizations nationally
  - Other institutions/organizations internationally
7. Maintains open communications with all constituencies of the school.
8. Establishes a working environment conducive to high performance for faculty, staff, and students, including the balancing and reconciling of diverse interests, the identification of issues, and the resolution of conflicts that may affect the achieving of positive results.
9. Offers a model for professional excellence in research, education, leadership, and service.

### **Administrative Management**

10. Provides leadership for:
  - Faculty hiring and retention
  - Staff hiring and retention
  - Student recruitment and development
  - Alumni relations
11. Responsive to the needs and concerns of:
  - Faculty
  - Staff
  - Graduate students
  - Undergraduate students
12. Coordinates and manages effectively, efficiently, and equitably:
  - Fiscal Processes and Procedures
  - Undergraduate and graduate programs
  - Curricular and cross-curricular processes
  - Communications and Marketing
  - Community building
  - Performance evaluation process