HOW WE CONNECT:

Energy, Environment, and Sustainability | Computational Social Science | Digital Humanities
Policy & Governance | Social Justice | Health | Global Languages and Cultures | Security
Ethics and Emerging Technologies | Global Development | Gender Studies | Media Studies
Georgia Tech’s mission is to develop leaders who advance technology and improve the human condition. This commitment raises important questions that go beyond science and engineering.

What aspects of the human condition need improving? What are the most critical challenges we face? What ethical dilemmas attend the decisions we make, and how can we determine the most just and humane course of action? What does history teach us about the risks and benefits of technological progress? What policies can help technology deliver on its promises while minimizing its risks?

These are questions technology alone cannot answer.

That’s why the humanities and social sciences, which have been part of a Georgia Tech education since our earliest days, are essential to our future. Indeed, if we are to develop students into exceptional leaders, they need to be not only technologically sophisticated experts, but also creative, ethical, and globally aware problem-solvers committed to driving positive change. And we can only do that with the help of the Ivan Allen College of Liberal Arts.

In Fall 2020, we assembled a group of faculty, staff, and student leaders from across the Institute to explore ways Georgia Tech can contribute to the United Nations Sustainable Development Goals (SDGs). Defined as a “blueprint to achieve a better and more sustainable future for all,” the SDGs pledge to address the world’s most pressing challenges, such as eliminating poverty and hunger, expanding access to healthcare and education, building sustainable cities, and preserving biological diversity.

Two things became quickly apparent from our discussion. First, the complexity of these challenges demands novel multidisciplinary approaches that bring together scientists and engineers, economists and policymakers, historians and culture scholars, and business leaders and government officials. Second, the global nature of these challenges demands a global outlook and the capacity to understand how they affect different populations in distinct ways.

As Georgia Tech’s home for the humanities and social sciences, the Ivan Allen College doesn’t just teach essential skills that are necessary for successful careers, it shows students how these disciplines intersect, clash, and bond with science and technology—throughout history and culture, within industry and policy, and across the globe.

That’s the kind of foundation our students need to grow into leaders who advance technology and improve the human condition. I look forward to seeing how the College will continue to grow under Dean Kaye Husbands Fealing’s leadership so everyone at Georgia Tech will be better equipped to carry out our mission.
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A Warm Welcome to Dean Kaye Husbands Fealing

Dean Kaye Husbands Fealing assumed leadership of the Ivan Allen College of Liberal Arts on June 1, 2020. She brings to bear vibrant connections with national organizations influencing higher education and decades of multidisciplinary administration, teaching, and research spanning the fields of economics, public policy, and business. She also sustains continuity through relationships built during her six years as chair of the School of Public Policy across Georgia Tech and among our Georgia constituents.

Husbands Fealing holds a Ph.D. in economics from Harvard University and a B.A. in mathematics and economics from the University of Pennsylvania. Her research focuses on science and innovation policy, the public value of research expenditures, and underrepresentation among underserved groups in STEM fields and the workforce.

Prior to her position at Georgia Tech, Husbands Fealing taught at the Humphrey School of Public Affairs at the University of Minnesota, and she was a study director at the National Academy of Sciences. Prior to the Humphrey School, she was the William Brough professor of economics at Williams College, where she began her teaching career in 1989. She developed and was the inaugural program director for the National Science Foundation’s (NSF) Science of Science and Innovation Policy program and co-chaired the Science of Science Policy Interagency Task Group, chartered by the Social, Behavioral and Economic Sciences Subcommittee of the National Science and Technology Policy Council. At NSF, she also served as an Economics Program director. Husbands Fealing was a visiting scholar at Massachusetts Institute of Technology’s Center for Technology, Policy and Industrial Development, where she conducted research on NAFTA’s impact on the Mexican and Canadian automotive industries, and research on strategic alliances between aircraft contractors and their subcontractors.

Currently, Husbands Fealing is an elected fellow of the National Academy of Public Administration, an elected fellow of the American Association for the Advancement of Science (AAAS), and serves on the AAAS Executive Board. She also serves on NSF’s Committee on Equal Opportunities in Science and Engineering, NSF’s Education and Human Resources Directorate’s Advisory Committee, the General Accountability Office’s Science, Technology Assessment, and Analytics Polaris Council, and the Georgia Intellectual Property Alliance. She is also a board member for the Society for Economic Measurement.
This academic year was bookended by extraordinary achievements and by the profound disruptions, pain, and uncertainty of the pandemic and racial struggles. How is the College working through this?

We are investing immense energy toward learnings and strategies that will move us forward through the pandemic and that will create a more equitable society. The latter is something we have been working toward in this College for more than 30 years. Neither of these challenges will resolve quickly, but life has taught me that with challenges—no matter how painful—come great opportunities. We have extraordinary talent in our midst—our students, staff, faculty, alumni, and neighbors. We have built great things through connectivity and through these disruptions. We’ll continue to employ our connectivity to create new networks, spark new innovations, and to spur us forward. For these reasons, and many others, I have a strong sense of hope, purpose, optimism, and even excitement about our future.

What are some specific opportunities?

Under President Ángel Cabrera, Georgia Tech articulated a new mission to develop leaders who advance technology and improve the human condition. This strongly points to greater opportunity for Ivan Allen College’s leadership. In the coming year, we’ll refine the College mission and craft a new strategic plan to align with Georgia Tech’s new plan. Among our strengths are our many faculty who hold degrees in STEM fields. This enables distinctive dimensions in our work, within our own disciplines, interdisciplinarily across the College, as well as with our colleagues in the technical disciplines across campus and collaboratively with peers in other institutions. I see that being more fully leveraged as Georgia Tech tackles the great human problems to achieve safety, justice, and equity for all.

What do you see ahead for our students?

Our students are highly analytical, highly creative, and extremely smart. We have long offered interdisciplinary degrees, learning, and research opportunities that enable them to pursue their interests in the fullest measure, to discover, innovate, and thrive. Part of the vision when this College was created 30 years ago was to prepare leaders who can work at the nexus of science, technology, the humanities, and social sciences to address the increasingly complex problems and opportunities of the 21st century. As you’ll see in the pages ahead, we are rapidly expanding our programs and integrating them even more strongly with technical and science-based programs on campus. We continue to infuse them with global and cultural understanding and with a grounding in social justice that is imperative to improving the human condition.

Any final words?

I’d like to express appreciation to everyone in our community for their patience and contributions to working through the difficulties of this year. Thank you especially to John Tone who took on the role of interim dean in what turned out to be a year of extreme challenges, and to the school chairs, associate deans, ROTC commanders, program leaders, faculty, and staff who have worked to find a way forward through these crises. Together, we are persevering in finding pathways to a better world.
GEORGIA TECH MISSION:
The Georgia Institute of Technology is a public research university established by the state of Georgia in Atlanta in 1885 and committed to developing leaders who advance technology and improve the human condition.

GEORGIA TECH STRATEGIC FOCUS AREAS: How Ivan Allen College Contributes

In 2020, Georgia Tech released a new strategic plan with a focus on developing leaders who advance technology and improve the human condition. The Institute’s strategic plan highlights six focus areas to guide our priorities over the next 10 years.

Ivan Allen College leadership, faculty, staff, students, and community partners were integral to the process of developing the themes and plan. Our perspectives and actions will evolve further in the year ahead as we develop a new strategic plan for the College to align with the Institute plan and support, enrich, and move us forward.

Here are the six strategic themes. Throughout this report, we highlight how our work, programs, and initiatives support and enrich these themes.

**AMPLIFY IMPACT:** Embrace our power as agents of change for the public good and generate talent, ideas, and solutions with unmatched impact and scale to help define and address the most critical problems of our time, locally and globally.

**CHAMPION INNOVATION:** Champion our leadership position as an engine of innovation and entrepreneurship, and collaborate with other public and private actors to create economic opportunity and mobility and position Atlanta and Georgia as examples of inclusive innovation.

**CONNECT GLOBALLY:** Strengthen our role as a convener of worldwide collaboration and build a global learning network to expand our reach and amplify our impact.

**EXPAND ACCESS:** Empower people of all backgrounds and stages of life to learn and contribute to technological and human progress.

**CULTIVATE WELL-BEING:** Strengthen our culture of well-being and create an environment of holistic learning where all members of our community can grow and learn to lead healthy, purposeful, impactful lives.

**LEAD BY EXAMPLE:** Lead and inspire by example by creating a culture of deliberate innovation in all our practices and be an example of efficiency, sustainability, ethics, equity, and inclusion.
Any way you slice it, Marilyn A. Brown has had an acclaimed career in climate and energy policy. She served as director of the Energy Efficiency and Renewable Energy Program and the Engineering Science and Technology Division at Oak Ridge National Laboratory. Her deep expertise helped shape numerous reports for the Intergovernmental Panel on Climate Change, including one that led to the organization receiving the Nobel Peace Prize in 2007. She also has served on the board of directors for the Tennessee Valley Authority and in key advisory roles at the U.S. Department of Energy. She is a Regents Professor and the Brook Byers Professor of Sustainable Systems in the School of Public Policy.

This year, she also became one of only a handful of scholars to be elected to multiple branches of the National Academies of Science, Engineering, and Medicine. In February, the National Academy of Engineering (NAE) announced Brown’s election to its membership, adding her to a roster of former and current members that includes past Georgia Tech presidents G. Wayne Clough and Joseph M. Pettit and former provost Rafael Bras.

Just three months later, the National Academy of Sciences (NAS) named her to its August membership, which includes 190 Nobel Prize recipients. That made her one of only two Georgia Institute of Technology faculty elected to both academies. Membership in these venerated peer-elected academies further extends Brown’s range and influence—as well as Georgia Tech’s—in advising the nation on clean energy policy.

We asked Brown to reflect on her elections to the NAE and NAS and what keeps her energized.

**What is the significance of your membership in the academies?**

If you want to know how technology can be made to better benefit humankind, you need to know something about how it will operate within policy and social systems. That’s what my work is all about. So I think my election reflects the growing recognition by engineers and scientists that translating technology advances into practical solutions to solve grand challenges requires broad transdisciplinarity.

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**FACULTY SPOTLIGHT: A Conversation With NAS/NAE Member Marilyn Brown**

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Whether it’s policy, economic or social science, natural or engineering science, the analytical rigor and underlying methodologies are often the same. As a result, there’s a mutual understanding of what constitutes strong, defensible, and important science.

These academies advise the nation and are influential around the world. What impact do you hope to make through them?

The National Academy of Sciences was created around the time of the Civil War to consult the government on matters of science and technology. It still fills that role today, and I am so excited to be a part of it. Every year, the academies provide science-based recommendations to Congress on a variety of important issues, including climate and energy policy, and that’s what I’m thrilled to be part of: bringing social, behavioral, economics-based policy thinking and a concern for equitable solutions to what would otherwise be more limited engineering and physical science discussions.

Beyond that, I’m finding that being a member of the academies is a bit like lighting a beacon in my office window, in that people from across the country are now seeking me out more than ever to collaborate on their research projects. It’s exciting to have that platform to expand my opportunities to do impactful work in this field.

You are at the center of work to address global climate change and energy efficiency. What lies ahead? Can we save humankind? How would you describe our progress in addressing global climate and energy challenges?

Simply put, there’s not enough progress. Across the globe, we have to bend the curve of CO2 emissions over the next decade to prevent dangerous levels of climate change. And that’s not happening. It’s very challenging, but pathways forward are emerging. In the United States, the electric grid is being reshaped by four trends. One, the grid is moving toward renewable and variable resources such as wind and solar. Two, transportation and building services are electrifying. A third trend is that many coal plants are being retired, and finally, fourth, distributed energy resources are proliferating. The result is a challenging era for the orchestration of power management, but advanced information and communications technologies are coming to the rescue. Energy efficiency is also a clean and affordable energy resource we too often overlook, partly because of how utility markets and regulations are designed.

You’ve been in a position to teach and mentor many students over the years. You were recently pivotal in helping stand up the Master of Sustainable Energy and Environmental Management (MSEEM) program. Talk about that legacy.

Many of my former students are in influential positions in climate and energy policy. We have employees at the Georgia Public Service Commission, the U.S. Department of Energy, the Federal Energy Regulatory Commission, the Environmental Protection Agency, just all over. And we have students in corporate sustainability positions and in startups, including Matt Cox at Greenlink Analytics, who is doing great work for the city of Atlanta and across the country, advising governments about energy policy including diversity and inclusion issues. So having students there where the rubber meets the road is really fun to watch. It’s also fun to watch the growth of our current and recently graduated students, such as the first cohort of MSEEM students who just graduated in August and are off to do great things.

You’re currently principal investigator for the multi-institutional Drawdown Georgia initiative, a first-in-the-nation effort to reduce the state’s carbon footprint. What are your hopes for that project?

Everything we’ve done with Drawdown Georgia is about giving businesses and policymakers the tools they need to turn Georgia into a leader in climate and energy policy, to show the region and the Southeast how carbon footprints can be reduced, how we can be better custodians of the natural environment, and how we can grow our economy at the same time. Our next step will be all about creating a kind of a gaming environment in which counties can track their carbon footprints and compete among their peers on a per capita basis. We’re really excited about the prospects. Read more about the project on Page 17.

What excites you most about your work?

I like to get deep into numbers and calculations, develop iconic graphics that visualize the results, and then develop narratives that explain what it all means for the future of society.

If you weren’t a global climate/energy superhero, what else would you be doing?

I’d be in my garden. I’d be on the tennis court. I might be playing a little more bridge. And I’d be spending more time with my husband, a transport planner, and my daughter, an environmental lawyer.
When historian Johnny Smith began researching a book on how the Great Influenza outbreak of 1918 upended the world, and the world of sports, he confronted a frightening question: How would Americans cope during a pandemic? Published in March 2020, *War Fever: Boston, Baseball, and America in the Shadow of the Great War* became a touchstone for how Americans survived and could do so again. The Great War is the book’s larger canvas, but the flu pandemic is integral, from Babe Ruth being struck down and nearly dying from treatments, to the possible effects of the virus on attendance during the decisive sixth game of the World Series between the Chicago Cubs and the Boston Red Sox. Smith, the "Bud" Shaw Professor of Sports History in the School of History and Sociology, and his co-author suggest that the series exacerbated the spread of the flu throughout Boston, which experienced some 4,500 deaths. An estimated 675,000 people died in the U.S. and 50 million died world-wide.

"Sports is all about the worldwide experience and human connections," Smith said. "I think people not being able to attend sporting events is symbolic of a larger sense of loss in America. And someday, when it’s safe to pack stadiums again, Americans will turn to sporting events as a sign that the nation has returned to normality."

Strange Timing: Book on Sports, War, and Pandemic Went to Press Just as Covid-19 Was Making News

Danny Hughes and his team at the Health Economics and Analytics Lab (HEAL) usually focus on understanding complex resource utilization issues that impact healthcare pricing and reform. But when the Covid-19 pandemic struck, Hughes, professor in the School of Economics, pivoted to examine its impact on medical imaging—a sector that is relevant for just about every medical field—and how it might affect the health of Americans in years to come.

“This pandemic, tragic as it is, provides an unprecedented opportunity to evaluate the efficacy of screenings that people have put off or skipped.” HEAL’s work, published in the *Journal of the American College of Radiology*, could inform decisions about diagnostic testing recommendations and federal policy interventions in the medical sector during the economic aftershocks of the pandemic.

Examining the Pandemic’s Impact on the Medical Sector Can Inform Future Policy
Students Introduce Video Games That Teach Covid-19 Safety at Global Game Jam

Ivan Allen College of Liberal Arts students working in the Digital Integrative Liberal Arts Center (DILAC) created two video games demonstrating the need for a strong community response to Covid-19.

The games, along with the open source code for the Georgia Tech-designed epidemiological model used to power them, were provided to developers taking part in “Jamming the Curve,” a two-week game design event co-produced by Georgia Tech; IndieCade; the National Academy of Sciences’ LabX; Northeastern University’s Game Studio; Games for our Future; and INDCOR, a European consortium focusing on exactly this topic: using interactive narrative approaches to understanding complex systems.

“Games can be simulations of the world that entice us to try out alternate scenarios,” said Janet Murray, associate dean for research and faculty affairs and professor in the School of Literature, Media, and Communication. “We have to be able to see the same situation from multiple perspectives, to recognize multiple chains of causation, and to imagine alternate possibilities for the same scenarios.”

VIP Students Help Brazilian Nonprofits Respond to Covid-19 Food Aid Needs

Students in the Vertically Integrated Project (VIP) “Global Social Entrepreneurship” are all about finding ways to turbocharge the work of their community partners in Brazil, so when the Covid-19 pandemic struck, the group of 13 diverted funds earmarked for future projects to send immediate aid. The funds enabled their partners to pivot from youth training programs to delivering urgently needed food and sanitary supplies to the favelas of Rio de Janeiro where millions lost their incomes.

The VIP team sent $8,500, enough to provide more than 6,500 people with food and hygiene supplies. Funds were generated by broadcast fees from documentaries produced by Rise Up & Care, a nonprofit co-founded by Kirk Bowman, the Jon R. Wilcox Term Professor of Global Development and Identity in the Sam Nunn School of International Affairs, who runs the VIP. His students also developed a fundraiser benefiting midwives in rural Brazilian communities affected by the pandemic.

Bowman said the efforts are right in line with what he is trying to teach his students—a new model of global philanthropy that values acting as a junior partner to established local leaders who set agendas and run programs. Bowman and Jon Wilcox, who finances the VIP and mentors students, have written a forthcoming book, *Reimagining Global Philanthropy.*

HomeLab Awarded $1.24 Million NIH Grant to Perform Usability Testing for Covid-19 Test Kits

As part of the National Institutes of Health’s $500 million initiative to quickly ramp up the country’s Covid-19 testing capacity in Fall 2020, HomeLab researcher Sarah Farmer leads a team that is evaluating Covid-19 tests and, in some cases, offering would-be manufacturers advice on how to make them more usable. The HomeLab grant is part of a grant with the School of Electrical and Computer Engineering (ECE), and involves multidisciplinary work by researchers across Georgia Tech and other Atlanta research universities to speed development, evaluation, and commercialization of new Covid-19 tests for use at home, in doctors’ offices, and in labs. The HomeLab is housed in Public Policy’s Center for Advanced Communication Policy (CACP).
A Legacy of Ethically, Socially Conscious Leadership

Diversity and inclusion are inherent in the founding principles of this College, contemporizing namesake Ivan Allen Jr.’s legacy of transformative urban leadership and socially and ethically conscious action. These values form the underpinnings and emphasis of our teaching, research, and public engagement. With a 2:3 ratio of minority to white, our student cadre has long contributed to diversity at Georgia Tech. Race and gender studies are integrated into more than 130 of our courses, many of which are open to all Tech students. We continue to evolve our engagement of these legacies to enlarge their impact across the College, the campus, Atlanta, and the nation. Through actions such as working for the public accommodation of African Americans, testifying before the congressional committee on behalf of what became the Civil Rights Act of 1964, and building relationships with Atlantan Martin Luther King Jr. and the city’s African American business and civic leaders, Mayor Allen broke barriers and showed the way. We seek to carry on that legacy guided by courage, compassion, and the light of human justice.

Newly Dedicated Bridge and Walking Museum Celebrate Allen Legacy

A bridge spanning the railroad separating Atlanta’s southwest and westside neighborhoods is the newest testimonial to Ivan Allen Jr., COM 1933. The PATH Foundation, the Allen family, Jim and Sarah Kennedy, and the James M. Cox Foundation funded the project, with hopes of helping younger generations understand Mayor Allen’s role in forging a new era in Atlanta, pushing forward civil rights for African Americans, and creating the foundations for the modern city we know today. Among those quoted in the exhibit is former College Dean Jacqueline J. Royster.

$99,991 NEH Grant Supports Ivan Allen Jr. Archive Project

This two-year grant from the National Endowment for the Humanities (NEH) Office of Digital Humanities will fund new work with Ivan Allen Jr. archival materials led by Todd Michney, assistant professor of history. Michney previously led a project in the College’s Digital Integrative Liberal Arts Center (DILAC) to digitize the Ivan Allen Jr. mayoral papers and develop a customized search interface for the collection. The NEH funds enable Michney and his co-investigators in DILAC to further develop the user interface, integrating machine-assisted data analysis and social network graphing. The free tool provides researchers and communities with innovative methods for preserving and exploring history.

Atlanta Legacy Makers Project to Highlight Mayors Allen and Jackson

In May 2020, Central Atlanta Progress in partnership with the City of Atlanta announced a project to honor Ivan Allen Jr. and Maynard Jackson, mayors whose leadership was pivotal to the city’s history and growth. A public artwork installation, to be located, symbolically, at the intersection of Peachtree Street and Auburn Avenue, will commemorate their leadership “and their willingness to unite a divided city.” Online experiences may be accessed now at atllegacymakers.com.
In February 2020, Georgia Tech presented the Ivan Allen Jr. Prize for Social Courage to renowned journalist Charlayne Hunter-Gault and, posthumously, to orthopedic physician Hamilton Holmes, which was accepted by his son Hamilton Holmes Jr. The two were honored for their bravery as the first African American students to enroll at the University of Georgia and for their perseverance, through personal attacks and ostracization, to integrate higher education.

**New Exhibit Traces Ivan Allen Jr.’s Journey and Legacy**

A new exhibit in the Savant building traces Ivan Allen Jr.’s civic leadership, his extraordinary influence in shaping Atlanta as a top American city, and his journey from patrician southerner to risking his and his family’s life for civil rights and receiving the Martin Luther King Jr. Nonviolent Peace Prize. The story is told through more than 100 historic photos from media, public sources, and the Allen family collection, along with quotes illuminating Mayor Allen’s perspectives, those of his peers, as well as reflections by modern leaders. The exhibit, developed by the Ivan Allen College Office of Communications, was made possible through the generosity of Col. Stephen C. Hall, IM 1967, and Pamela Hall.
Message from Chaouki Abdallah, EVP for Research

In 1959, C.P. Snow delivered his “Two Cultures” lecture lamenting the widening gap between the sciences and the humanities. That gap has persisted in our society and education systems leading to the disregard of science or the disrespect of the humanities. At the Ivan Allen College of Liberal Arts, our researchers have not only built bridges across the two cultures but have also engaged in asking questions that can only be answered by humanists with scientific understanding and scientists and engineers with a grasp of the human and social conditions.

Internet of Things Center Moves to Ivan Allen College

The Center for the Development and Application of Internet of Things Technologies (CDAIT) moved from its founding home in the Georgia Tech Research Institute to the School of Public Policy’s Center for Advanced Communications Policy. CDAIT fosters interdisciplinary IoT thought leadership, research, and education. This move, and a new Chief Operating Officer, enables a more intensive focus on critical social and policy issues facing the IoT field while maintaining CDAIT’s deep expertise in technological issues.

$1 Million Grant Funds Technology and Policy Design Research Fellowships

Through a grant from the DHHS National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR), the Center for Advanced Communication Policy (CACP) will train four postdoctoral fellows in the area of advanced disability and accessible technology policy. CACP’s Nathan Moon is principal investigator on the five-year project with Paul Baker, co-principal.

Omar Asensio Receives NSF CAREER Award

Omar Asensio, assistant professor in the School of Public Policy, received a 2020 National Science Foundation (NSF) CAREER Award, a prestigious recognition honoring top junior faculty. Asensio brings the perspectives of an engineer, economist, and social scientist to his work in civic data. The $599,964 award supports five years of research on Asensio’s project, “Behavioral Analytics and Field Experiments in Sustainable Innovation Policies.” The project will study the application of big data availability and use to resource conservation policies.
Grant from Sloan Foundation Funds Study on STEM Diversity

A $223,049 grant from the Alfred P. Sloan Foundation will fund “Evaluation of the Sloan Minority Ph.D. Program in Science and Engineering,” a project led by Dean Kaye Husbands Fealing to perform the first comprehensive study of Sloan’s premier program to increase diversity among doctoral students in STEM fields. The work could have broad-ranging policy implications for similar efforts to increase diversity in science, technology, engineering, and math fields—an area in which Husbands Fealing devotes much of her attention as a professor and fellow in the American Association for the Advancement of Science (AAAS). “This is about evaluating what has gone on and how we can more successfully evaluate and run these programs, serve the communities that we need to serve, and have these individuals be that much more effective and productive,” said Husbands Fealing.

John Walsh Study Is Among the Top 100 Most-Discussed Research Papers of 2019

More than 2.7 million research outputs were tracked in 2019 by the firm Altmetric, which highlights a handful of those outputs—the most discussed research papers of the year—in its Top 100. Among the top-performers was Public Policy professor John Walsh’s article “Changing Demographics of Scientific Careers: The Rise of the Temporary Workforce,” co-authored with colleagues Staša Mliojevic and Filippo Radicchi from the School of Informatics, Computing, and Engineering at Indiana University. The article was published in the journal Proceedings of the National Academy of Sciences in December 2018.
Unraveling the Complexities of #BlackTwitter

André Brock works at the intersection of race, culture, and technology. An associate professor in the School of Literature, Media, and Communication (LMC), one of his major contributions is an analytic technique called critical technocultural discourse analysis (CTDA), which seeks to help explain the discursive and meaning-making capacities of technology. He used the technique to examine “Black Twitter” in his 2020 book, Distributed Blackness.

“One of the major claims of my book is that Black people are natural practitioners of the digital, because many people don’t think we are,” Brock said. “White racial ideology encourages the belief that only white folks use digital technology in appropriate ways. One result of this is that the default internet user is assumed to be white, male, middle-class, Christian, and heterosexual. Black Twitter’s expert digital practice is an emphatic counter to Westernized technical identities without being exoticized and deemed foreign like the Arab Spring. It is as American as sweet apple pie, collard greens, and fried chicken.”

A Documentary View

John Thornton's latest film project is SSADS, an episodic documentary series intended to celebrate Black creatives’ work and highlight their vision of Black and Brown bodies in the future. It specifically recognizes the contributions of local Atlanta cosplayers, comic book artists, fashion designers, sneakerheads, graphic artists, graffiti artists, and scholars. Thornton, senior academic professional and coordinator of the Literature, Media and Communication video production lab, said the project began, in part, in response to Mark Derby’s question of whether a “community,” whose past has been deliberately rubbed out, and whose energies have subsequently been consumed by the search for legible traces of its history, imagine possible futures. “It was indeed an antinomy that I believed most 21st-century Afrofuturists and artists would publicly excoriate,” said Thornton. The pilot episode sets the tone for the series by introducing audiences to two amazing cosplayers, AlexandriaTheGreat and MoonwolfCosplay, and their techniques for designing unbelievable works of art. SSADS is currently in production, but the pilot episodes are streaming on YouTube.

Four Four Beat Labs: A STEAM-inspired Makerspace

Assistant Professor Joycelyn Wilson describes her Four Four Beat Labs project as an “interactive media and digital pedagogies incubator inspired by the hip-hop archive” that produces educational content focused around pop culture and designed for integration into educational models across STEAM, computational media, and the humanities. Among Wilson’s projects is a digital environment housing the Michael Webster Vinyl Collection, an archive of thousands of vinyl records compiled by Webster, an Atlanta native and pioneering DJ in the city’s early hip-hop scene. That design project, part of the HipHop2020 Curriculum Project, has resulted in a digital museum that visitors can explore while checking out the archive. Wilson plans to eventually host it on virtual reality platforms for users to experience at home. The inspiration for the structure and message of Four Four Beat Labs is the source material: hip-hop, which is a pedagogical medium in itself. “It always comes with instructions and a message,” says Wilson.
Studying Satire’s Subversive Limits

“When institutions fail, satire flourishes,” says Paul Alonso, whose book Satiric TV in the Americas: Critical Metatainment as Negotiated Dissent analyzes the influence of satirical programs on political discourse across the Americas. Recent years have seen growing inequality, corruption, drug trafficking, violence and social protests over homophobia, sexism, racism, and other social issues, all of which have contributed to satire’s rise, Alonso said.

“Media culture has been a key actor and mediator in all of these processes, and my research positions satire as a unique type of media text that condenses these prevalent sociopolitical and cultural tensions. In doing so, it has in some ways eclipsed traditional news media.”

“While modern news became a unique media form that based its authority in being an accurate or objective reflection of reality, satire has arisen as a distinctive media form that purports to be a carnivalesque mirror that reflects the hidden, unspoken, and socially uncomfortable aspects of that reality.”

Middle Eastern Media: An International Battleground for the Attention of Arab Audiences

Examining Arab media, as Natalie Khazaal does in her contribution to the recent book Global Media and Strategic Narratives of Contested Democracy, offers rich insights for understanding the evolving place of the United States on the world stage. Khazaal’s chapter deals with how Arab media reacted to the 2016 U.S. presidential election. Unlike the Russian and Chinese narratives, which sought to undermine the image of the United States as a world leader, Arab media offered a more ambivalent, culturally positive, but politically negative narrative.

“Such positive narratives of democracy in Arab media stem from an older, culturally positive Arab view of the United States,” said Khazaal. “They also connect to a more recent Arab advocacy for human rights that has been most visible since the 2010 Arab uprising and the regional struggle against authoritarian regimes.”

Khazaal is now working on a book, Arab Apostates: Media and the Making of a Defiant Minority, which focuses on Arab atheists who use media to reject unifying nationalist narratives centered on Islamic identity.

How a Newsreel System Helped Cement West German Democracy After World War II

In his 2019 book, Staging West German Democracy: Governmental PR Films and the Democratic Imaginary, 1953-1963, Jan Uelzmann describes how post-war West German Chancellor Konrad Adenauer used PR films produced through the state-controlled newsreel service Deutsche Wochenschau to create a new narrative of a prosperous and democratic German state.

“These films showcased the successes of democracy in a post-fascist society where democratic principles frequently met with ambivalence or resistance,” said Uelzmann. “Therefore, the films project a celebratory image of an increasingly affluent, thriving democracy, embedded in Western economic and defense networks, that had left the days of uncertainty and need behind and was on a stable trajectory of socioeconomic development.”

Uelzmann sees echoes of the Adenauer administration’s PR practices in current German Chancellor Angela Merkel’s image in the federal government’s YouTube channel. “Although their actual forms differ, the motivations behind Adenauer’s PR films and Merkel’s short YouTube clips are somewhat similar in that they both aim at a positive reinforcement of events or political decisions,” Uelzmann said.
Solar Geoengineering Could Reduce Income Inequality

Solar geoengineering—the process of intentionally reflecting sunlight to cool rising temperatures through methods such as adding sulfate aerosols to the stratosphere—may reduce income inequality among countries, according to a new paper co-authored by economics Ph.D. student Anthony Harding, who conducted his research while a visiting student at the University of California San Diego. Published in *Nature Communications*, the paper, “Climate Econometric Models Indicate Solar Geoengineering Would Reduce Intercountry Income Inequality,” is the first to look at the economic impacts of climate projections associated with solar geoengineering. This analysis is the first to project the response of gross domestic product (GDP) to the specific pattern of cooling solar geoengineering produces.

Comparing economic outcomes across stylized climate scenarios, the authors find that hotter, poorer countries that are more sensitive to climate change significantly benefit from cooling provided by solar geoengineering, reducing intercountry income inequality and boosting global economic growth.

The authors highlight the importance of developing a robust system of global governance to ensure equitable management in any future decisions about solar geoengineering deployment.

Study Probes Gender Pay Gaps in U.S. Federal Science Agencies

Men make more than women at seven U.S. federal science agencies, but the reasons for these gender-based pay gaps differ by organization, according to new research involving Kaye Husbands Fealing, then chair of the School of Public Policy, now dean of the College.

Published in the September edition of the *American Journal of Sociology*, “Gender Pay Gaps in U.S. Federal Science Agencies: An Organizational Approach” also involved researchers from the University of Massachusetts Amherst, the University of Toronto, and the University of Minnesota. The researchers analyzed 15 years of federal employment data for the agencies from 1994 to 2008. They found that the pay gaps at organizations such as the National Oceanic and Atmospheric Administration and the Department of Energy—agencies focused on traditionally masculine fields such as engineering and physical sciences—were largely the result of men being paid more than women for the same jobs. At more gender-neutral agencies—those focused on life sciences and interdisciplinary sciences—the differences were due to agencies systematically hiring more women than men for low-paying jobs. The result is “persistent pay stratification in organizations that otherwise embrace practices intended to increase equity.” The NIH, CDC, EPA, NSF and USDA fell into this category.

“Our study shines a bright light on the persistence of earnings disparities between women and men, even when there is an appearance that the federal system is designed to avoid these pay gaps,” said Husbands Fealing.
Public Policy Professor Leads Multi-Institutional Team Working to Reduce Georgia’s Carbon Footprint

Marilyn A. Brown, Regents Professor and Brook Byers Professor of Sustainable Systems, led a first-in-the-nation effort to find innovative and cost-effective ways to reduce Georgia’s carbon emissions. Funded by the Ray C. Anderson Foundation, Drawdown Georgia identified “high-impact, practical, and economically sustainable solutions” to reduce the state’s carbon footprint by 2030. “Drawdown” refers to the tipping point when climate-warming gases in the atmosphere begin to decline. Brown said that the platform of solutions addresses the climate crisis in Georgia in ways that are achievable, impactful, and economically appealing. Team researchers were from Georgia Tech, the University of Georgia, Emory University, and Georgia State. Researchers from the Ivan Allen College were Laura Taylor (Economics) and Daniel Matisoff (Public Policy), and from Georgia Tech, Kim Cobb (Earth and Atmospheric Sciences), Michael Oxman and Beril Toktay (Scheller College of Business), Mike Rodgers (Civil and Environmental Engineering), Rich Simmons (Mechanical Engineering), and the Strategic Energy Institute.

Study Shows No Agricultural Threshold Effect from Global Warming

A study led by public policy Assistant Professor Emanuele Massetti finds that global warming does not appear likely to cause a sudden collapse in U.S. agricultural productivity. Researchers have long debated whether there is a threshold temperature beyond which agricultural yields will collapse. Massetti, with Yale University Professor Robert Mendelsohn, used U.S. Agriculture Census data and daily temperature data in a model that allowed them to evaluate the impact of temperature on productivity at each three-degree Celsius interval over a large range of temperatures. They found that while warming certainly will result in significant losses in productivity, the decline will be gradual.

“If these results are confirmed and apply to other sectors, policy-makers may not need to worry about sudden collapses of economic productivity, but this does not mean that much more aggressive mitigation of climate change is not needed,” Massetti said. “The economic cost of climate change may be large, even if gradual.”

How Machine Learning Can Help Predict Violence

David Muchlinski, an assistant professor in Georgia Tech’s Sam Nunn School of International Affairs, is at the forefront of a handful of political scientists around the world studying ways to better predict genocide, civil war, and electoral violence.

In August, four years after he authored an influential paper that helped usher in the use of machine learning in political violence scholarship, Political Science Research and Methods published Muchlinski’s paper detailing groundbreaking use of a convolutional neural network to analyze social media posts surrounding three disputed elections, in Venezuela, the Philippines, and Ghana.

The machine learning algorithm was vastly superior to other methods of analysis; ferreting out more instances of true violence and more consistently rejecting tweets that were not about election-related violence, according to the paper.

“I am looking at data that’s been previously ignored to uncover patterns of violence that haven’t been understood,” he said. “I think it is time to take seriously the messages people send on social media and why they engage in political violence. I hope this work changes the world for the better. I hope it allows us to understand on a deeper level what is going on with our societies, why these problems are occurring, and how we might design strategies to fix some of these problems.”
CRITICAL DIALOGUES

U.S. Space Force Chief Visits Sam Nunn School of International Affairs

General John W. Raymond, the inaugural chief of the new U.S. Space Force and Space Command, visited the Sam Nunn School of International Affairs. Raymond sought “next gen” thinking about aggression in space and told students that “the space business is ripe for the intersection of policy and technology.” Jointly organized by the Daniel Guggenheim School of Aerospace Engineering and the Nunn School, Raymond also gave a campus address, visited with our Air Force, Army, and Navy ROTC cadets, and met with President Ángel Cabrera.

Meg and Sam Flax Endow Public Policy Speaker Series

A $100,000 permanent endowment established the Meg and Sam Flax Speaker Series in the School of Public Policy. With this series, top scholars, policymakers, and practitioners discuss current issues and bring diverse perspectives on the proper roles for government in solving crucial problems. The campuswide lectures cover topics such as science and technology policy, energy and the environment, pandemic threats, sustainable development, artificial intelligence and cybersecurity, monetary policy, and outer space. Sam Flax is an alumnus, CE 1979.

Public Policy Organizes 8th International Atlanta Conference on Science and Innovation Policy

Where do science and innovation fit in global dynamics today? Is technology-based industry creating and sharing prosperity, and how will it affect the future of work? These were among the questions discussed during the Atlanta Conference on Science and Innovation Policy at Georgia Tech in October 2019. In their 16 years organizing the biennial conference, School of Public Policy faculty have made this the world’s leading conference in the field.

LMC Hosts King Mongkut’s University of Technology Thonburi

Administrators and faculty from KMUTT in Thailand visited Georgia Tech to explore how we work at the intersection of humanities and technology. School of Literature, Media, and Communication (LMC) Chair Richard Utz said, “As we realized at our 2019 symposium on ‘Humanistic Perspectives at Technological Universities,’ institutions focusing on science and technology worldwide share similar opportunities and challenges.”

Poetry@Tech Works to Increase Diversity in Literary Criticism, Publishing

Internationally acclaimed poets and poetry critics took part in Georgia Tech’s launch of a national program designed to increase diversity among the critics and writers whose reviews can help or hinder a poet’s career. The “Emerging Critics” workshop was the result of a partnership between the Poetry@Tech program, led by Bourne Chair Ilya Kaminsky, one of the world’s top poets, and the Ledbury Emerging Poetry Critics program in the United Kingdom.
Climate and Sustainability Conferences Showcase College Expertise

The School of Modern Languages and the Sam Nunn School of International Affairs played key roles in the Global Climate Action Symposium held in September 2019. The Atlanta Global Studies Center, co-directed by Modern Languages Chair Anna Stenport, was an organizer. The Nunn School’s Center for European and Transatlantic Studies supported the event through the Jean Monnet Center of Excellence Award, the Center for International Strategy, Technology, and Policy, and Professor Alasdair Young. Consulates general of eight European nations were involved. Then in October, more than 35 faculty and Ph.D. students from all six Schools in the College presented research at the 2019 Sustainability Showcase. Both events were held on campus at the Kendeda Building for Innovative Sustainable Design.

College Participates in New Initiatives to Achieve United Nations Sustainable Development Goals (SDGs)

In September 2019, College faculty participated with President Ángel Cabrera in the University Global Compact (UGC) discussions at Rutgers University on the 17 U.N. Sustainable Development Goals (SDGs). They were Shatakshee Dhongde and Laura Taylor in Economics and Mary Frank Fox in Public Policy. In a September 2020 event introducing the SDGs to campus, Modern Languages Chair Anna Stenport, who co-directs the Atlanta Center for Global Studies (ACGS), moderated a panel on their global importance and relevance and how the Institute can lead the region in advancing them.

Economics Co-Hosts Two Major Workshops

The School of Economics hosted the inaugural Southeastern Energy and Environmental Economics Workshop in October 2019, a two-day event in the new Coda Building co-sponsored by the Energy, Policy, and Innovation Center of the Strategic Energy Institute, the Ray C. Anderson Center for Sustainable Business, and the Global Change Program of Georgia Tech. The School also co-hosted the eighth Atlanta Workshop on International Economics in December 2019 with Emory University and the Atlanta Federal Reserve Board, bringing together faculty and graduate students from across metro Atlanta who are interested in macroeconomics.

Social Justice Foregrounded in School of History and Sociology Speaker Series

“Social Justice: Power, Inequity, and Change” was the theme for the 2020 HSOC Spring Speaker Series. Topics cut across disciplinary approaches and covered issues such as voter suppression and health justice. The series integrates areas of the HSOC curricula including the Social Justice minor.
The Sam Nunn School of International Affairs offers two new one-year, 30-credit hour programs to accommodate growing interest in programs that meet the financial and time constraints of working professionals. Two new certificates were launched as well.

**Master of Science in International Affairs, Science, and Technology (MSIAST)**
MSIAST students examine evolving and emerging technological and scientific trends.

**Master of Science in International Security (MSIS)**
The first degree of its kind in Georgia, MSIS provides technology background and policy and analytical skills to work through the increasing complexity and disruptions to global security.

**Graduate Certificate in Global Development**
This multidisciplinary degree is offered by the Nunn School, in conjunction with the School of Economics and the College of Design’s School of City and Regional Planning.

**Graduate Certificate in International Security and Aerospace Systems**
Offered jointly by the Nunn School and the Guggenheim School of Aerospace Engineering, the certificate affords nuanced understanding of the strategic implications of aerospace systems and emerging technologies.

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**NEW UNDERGRADUATE PROGRAMS**

**Minor in Microeconomics of Strategic Analysis (MESA)**
Offered by the School of Economics, MESA serves all Tech students, but especially those in engineering, computer science, and business who want career-enhancing studies with applications in a variety of sectors.

**Introductory Hebrew and Swahili**
The School of Modern Languages expanded its global commitment by offering courses in Hebrew and Swahili for the first time in Fall 2020 for both undergraduates and graduate students.

**Elementary Hindi and Portuguese**
Widely spoken but rarely taught, these languages are used in two of the world’s top 10 economies; India and Brazil. Modern Languages offers classes to undergraduates and graduate students attending Georgia Tech, Georgia State, and affiliates of the Atlanta Regional Council for Higher Education (ARCHE).

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**Message From Provost**

Steven McLaughlin

Ivan Allen College’s distinctive strengths in shaping discourse and policy, analytical and quantitative frameworks, and its emphasis on the human impact of technology nurtures students who learn and create in ways that are reflective of and engaged with the world around us. This emphasis is the foundation not only for teaching and research within the College’s own disciplines, but also for what it brings to collaborations with other academic and research units across campus: holistic thinking about the complex human problems that our students and graduates work to solve, diverse perspectives, and the cultural and ethical considerations that must be integral to our efforts for social good.
Air Force ROTC Program Ranked One of Nation’s Best

The Georgia Tech-based AFROTC program was ranked by Air University, the Air Force program that oversees ROTC units, among the top 10% detachments in the country. The evaluators found that the Georgia Tech unit exceeded standards in each of five metrics: officers produced per year, officers with technical degrees produced per year, aviation officers per year, average Air Force Officer Qualifying Test scores, and program cost. AFROTC Commander Lt. Col. David Cumings attributed the unit’s success to the outstanding support of the Georgia Tech community.

NEW PROGRAM GRANTS

Institute of International Education Awards Modern Languages Project GO $400,000 to Teach Critical Languages to ROTC Students

Professor Vicki Galloway secured a grant from the Institute of International Education Defense Language and National Security Education Office to fund critical language education, study abroad, and intercultural dialogue scholarships for ROTC students. The languages include Japanese, Korean, and Russian. Modern Languages has received Project GO grants since the program’s inception in 2007.

Writing and Communications Named Diversity Champion

The Writing and Communications Program received a Georgia Tech 2020 Unit Diversity Champion Award recognizing its commitment to accessibility, excellence, diversity, equity, and inclusion. Housed in our School of Literature, Media, and Communication and led through August 1 by Rebecca Burnett, the WCP combines the efforts of more than 40 faculty.

The Poetry of Waffles Encourages Georgia Students to Consider College

Literature, Media and Communication Professor Karen Head began driving to high schools in the far-flung counties of Georgia in 2019 as the new Poet Laureate of Waffle House. A highly creative teacher and author, who once used Twitter to group-compose a poem, which she read via megaphone while atop the empty fourth plinth in London’s Trafalgar Square, Head’s partnership with Waffle House is helping more Georgia students consider college and the creative possibilities and meaningful careers they might find through a technological university.
Students taking Professor Manu Platt’s BMED 3600 class this year were exposed to much more than the physiology of cellular and molecular systems. Platt and his students collaborated with Professor Jennifer Singh’s HTS 3088 Race, Medicine, and Science sociology class. The cross-disciplinary learning challenged students to think more critically about the historical, social, and economic challenges and disparities within the nation’s healthcare system.

Singh is an associate professor in the Ivan Allen College School of History and Sociology. Platt is an associate professor in the Wallace H. Coulter Department of Biomedical Engineering. They linked their courses through shared lectures and service-learning opportunities with HIV/AIDS and sickle cell communities in Atlanta. The budding biomedical engineers in Platt’s class were asked to think more critically about the scientific knowledge they produce—who it actually benefits, and who it doesn’t, who has access to the drugs they design, and who doesn’t. For Singh’s students, it was an opportunity to offer guidance to Platt’s class on how to answer these critical questions, and a chance to discover the science behind the complications in these diseases.

“This type of interdisciplinary work is critical for our future in biomedicine because everything that is made in the lab must integrate and work within the realities of people’s everyday lives,” said Singh, an expert in sociology of medicine, health, science, and technology with a deep understanding of the implications of racial and ethnic disparities in medicine and society. “We hope to open up this conversation at the very moment students are learning about the science and developing research questions and projects.” The program was funded through the Georgia Tech Center for Serve-Learn-Sustain.

Edited and condensed from an article by Jerry Grillo in the Petit Institute for Bioengineering and Bioscience.

East Asian Media VIP: Learning Language, Culture, and Work Skills Through Research

On Amanda Weiss’ student research team, a future computer scientist is studying the Japanese cultural trend of Kojo Moe. A psychology student is researching how mental health issues are presented in Japanese animation. Another team member, a graduate student, is translating an Asian science fiction story, hoping to get it published.

This is the East Asian Media Vertically Integrated Project (VIP), one of nine such research teams in the Ivan Allen College of Liberal Arts. The campuswide program allows students to pursue research as a part of multidisciplinary teams led by faculty. Weiss, an assistant professor of Japanese in the School of Modern Languages, runs it like a Japanese graduate seminar, mentoring and guiding students engaged in independent research projects examining varied aspects of East Asian media, a topic many students in other majors and disciplines would not otherwise be able to explore in depth.

“The VIP is such a flexible and creative system, it lets students engage in projects they’re passionate about and it lets me work one-on-one with very motivated, passionate students who are not constrained by the framework of a typical class. They are not only applying their linguistic and cultural knowledge to an ambitious project, they are also building a professional network that may lead to future global careers.”
Students Explore the World of Law

During Summer 2019, two of our students pursued interests in law, working across the legal spectrum—from patent and intellectual property law, to the nonprofit sector, to working as a paralegal assistant. Edouard Goguillon, then a rising third-year international affairs major, worked as a paralegal assistant for Martenson, Hasbrouck & Simon LLP, where he interned during a previous summer. “In general, I think my passion for law comes from a drive to seek justice,” Goguillon said. “I believe everyone should be treated equally, should be held accountable for their actions, and has a right to be heard.”

Shekinah Hall, then a rising fifth-year public policy major, worked with The Leadership Conference on Civil and Human Rights in Washington, D.C. “Given my background in public policy and interest in constitutional and civil rights law, I wanted to explore the overlap between the two and work on policy initiatives that addressed civil rights issues.”

Coca-Cola Foundation Scholarships Enable First-Generation Students to Gain Global Experiences

A college degree is no longer sufficient for career success in an increasingly global environment. “To be able to compete for attractive job offers, first-generation students (those who are the first in their families to attend college) need to internationalize their curriculum and demonstrate a clear understanding of an increasingly complex international environment,” said Katja Weber, professor in the Sam Nunn School of International Affairs. Scholarships funded through a grant from the Coca-Cola Foundation provide such global experiences for first-generation students at Georgia Tech and encourage them to take courses in the Nunn School with complementary study/work abroad programs in Latin America, Asia, and Europe.

As a fourth-year international affairs and modern languages student, Mia Floyd’s First Generation Scholarship allowed her to study in Weber’s Southeast Asia Program. She examined nontraditional security challenges, environmental problems, water and food scarcity, human trafficking, and rights of transient workers and ethnic minorities. Josephina Obi, also an international affairs and modern languages student, earned a First Generation Scholarship during her third-year. Through the international affairs and management track of the Valencia, Spain Summer Program with Professor Kirk Bowman, Obi made an intense examination of issues of parallel development, comparing both across Spain and across countries. “With the scholarship money, I was able to do more cultural activities, see more cultural sites, and not worry about whether or not I was going to break the bank. I got to see how soccer actually affected the politics and political situation of the government.”
FACULTY AND STAFF DISTINCTIONS

Kaye Husbands Fealing Elected a NAPA Fellow
Dean Kaye Husbands Fealing, then chair of the School of Public Policy, was among 51 leaders selected for the 2019 Class of Academy Fellows of the National Academy of Public Administration, who are nationally recognized for their expertise and contributions to the field of public administration and will contribute to the Grand Challenges in Public Administration collaborations.

Laura Taylor Named an AERE Fellow
School of Economics Professor and Chair Laura Taylor joined the distinguished group of environmental and resource economists who are Association of Environmental and Resource Economists (AERE) fellows. AERE fellows include luminaries Michael Greenstone, Robert Pindyck, and recent Nobel laureate William Nordhaus. The AERE cited the enormous influence of Taylor’s “foundational contributions in stated preference methods and using VSL (Value of a Statistical Life) estimates in policy contexts.” Her VSL estimates form a crucial measure in many environmental regulations.

Marilyn Brown Elected to NAE and NAS
Marilyn A. Brown, Regents Professor and Brook Byers Professor of Sustainable Systems in the School of Public Policy, became one of just four Georgia Tech faculty elected to the National Academy of Sciences (NAS) , and only the second with membership in both the NAS and National Academy of Engineering (NAE). An international pioneer in clean energy policy, Brown was lauded by the NAE for “bridging engineering, social and behavioral sciences, and policy studies to achieve cleaner electric energy.” Also this year, Brown received the Charles H. Percy Award for Public Service from the Alliance to Save Energy.

John Krige Receives Francis Bacon Award
Kranzberg Professor John Krige of the School of History and Sociology was honored with the Francis Bacon Award in the History and Philosophy of Science and Technology as an outstanding scholar whose work continues to have a substantial impact in the history of science, the history of technology, and historically-engaged philosophy of science.

Ilya Kaminsky Awarded Prestigious Poetry Awards
Deaf Republic by Ilya Kaminsky, the Margaret T. and Henry C. Bourne Jr. Chair in Poetry and director of Poetry@Tech, garnered numerous honors this year. Kaminsky’s book received the Anisfield-Wolf Book Award which recognizes contributions to the understanding of racism and human diversity. His book also received the National Jewish Book Award, the Los Angeles Times Book Award, and was a finalist for the National Book Award in Poetry.

Natalie Khazaal Awarded Fellowship by American Council of Learned Societies
Modern Languages Assistant Professor Natalie Khazaal was awarded a 2019 fellowship by the American Council of Learned Societies (ACLS)/Luce Program in Religion, Journalism, and International Affairs for her work on the making of a novel on the minority of atheists in Arab communities. The fellowship supports research for her book, Arab Apostates: Media and the Making of a Defiant Minority.

APPOINTMENTS
Aaron Levine, Public Policy, was elected to the Board of the American Society of Bioethics and Humanities.
Christine Ries, Economics, was appointed to the Bureau of Labor Statistics Data Users Advisory Committee.
Karen Head, Literature, Media, and Communication, was named to the Georgia State University Perimeter College Dean’s Advisory Board.
Mary Frank Fox, Public Policy, was elected chair of the Social, Economic, and Political Sciences Section of the American Association for the Advancement of Science.
Neha Kumar, Nunn School, was appointed chair of the Association for Computing Machinery’s Future of Computing Academy.
Willie Pearson, History and Sociology, was reappointed to the National Science Foundation Social, Behavioral, and Economic Sciences Advisory Committee.
**IVAN ALLEN COLLEGE STAFF AWARDS AND ACCOLADES**

Eleven staff members received a **Buzz Award**, which is given annually by the Dean’s Office to recognize excellent service. 2020 recipients were:

- **Ken Bernard**, IT support professional, Dean’s Office supporting the Schools of Economics and History and Sociology.
- **Dante Christmas**, assistant to the chair, School of Economics.
- **Lamar Handy**, financial administrator, School of Literature, Media, and Communication.
- **Linda Hudson**, financial administrator, School of Modern Languages.
- **Chris McDermott**, research associate, Sam Nunn School of International Affairs.
- **Janet McKinney**, administrative professional, Center for Advanced Communications Policy.
- **Sebnem Özkan**, associate director, Atlanta Global Studies Center.
- **Jessica Palacios**, marketing and event coordinator, Sam Nunn School of International Affairs.
- **Nicholas Platt**, IT support professional, Dean’s Office supporting the School of Modern Languages.
- **Leslie Ross**, undergraduate academic advisor, School of Public Policy.
- **Denice Shorter**, senior administrative professional, Naval ROTC.

**Elizabeth Miller**, director of enrollment and student affairs, received the 2020 Georgia Tech **Creating the Next Award**.

The following faculty and staff members completed the 2020 **Inclusive Leaders Academy** program:

- **Robert Hampton**, administrative manager, History and Sociology.
- **Tysh Coleman**, administrative manager, Nunn School.
- **Karen Head**, associate professor, associate chair, and executive director of the Naugle Communication Center, Literature, Media, and Communication.
- **Margaret Kosal**, associate professor, Nunn School.

The following Ivan Allen members participated in the **Leading Women at Tech** program:

- **Sebnem Özkan**, associate director of the Atlanta Global Studies Center, Modern Languages.
- **Olga Shemyakina**, associate professor, Economics.

**MORE FACULTY HONORS AND LEADERSHIP**

**Anna Stenport**, Modern Languages, received the Education Impact Award from the United Nations Association-Atlanta Chapter.

**Daniel Matisof**, Public Policy, was awarded honorable mention by the program for the Advancement of Research on Conflict and Collaboration (E-PARCC) at Syracuse University’s Maxwell School for Public Affairs for his teaching case “Hydrofracturing in New Frackillvania.”

**Dennis Lockhart**, Nunn School, and **Kaye Husbands Fealing**, Public Policy, spoke at the State Budget Conference hosted by the Volcker Alliance and Atlanta Federal Reserve.

**Johnny Smith**, History and Sociology, won the **Journal of Sport History** Best Article Award for “The Magnitude of Me: Reggie Jackson, Baseball, and the Seventies.”

**Kaye Husbands Fealing**, Public Policy, keynoted the 2019 American Association for the Advancement of Science (AAAS) Fellowship Program. She also received the Devah Pager Award from the American Sociological Association (ASA) Section on Inequality, Poverty, and Mobility for the co-authored paper, “Gender Pay Gaps in U.S. Federal Science Agencies: An Organizational Approach,” which was published in the **American Journal of Sociology**.

**Kirk Bowman**, Nunn School. His documentary **Women of Earth** was accepted at seven film festivals including the Buenos Aires International Film Festival 2020, Greenwich International Film Festival 2020, Overcome Film Festival, Festival de Cinema de Trancoso 2019, IFEMA INTERNATIONAL FEMALE FILM FESTIVAL MALMÖ 2020, Eurasia International Monthly Film Festival 2019, and Women at the Center Film Festival 2020.

**Mark Zachary Taylor**, Public Policy. His book, ***The Politics of Innovation***, (Oxford University Press) was translated into Chinese.

**Richard Utz**, Literature, Media, and Communication. His plenary talk, “The Notion of the Middle Ages: Our Middle Ages, Ourselves,” delivered at the 2015 International Congress on Medieval Studies, was translated into Portuguese by Brazilian scholar Bárbara Roma and published in the journal **Roda da Fortuna**.

**Ronald Bayor**, professor emeritus in the School of History and Sociology, received the Lifetime Achievement Award from the Immigration and Ethnic History Society.

**Sam Nunn**, Nunn School, received the Peace Through Strength Award from the Ronald Reagan Presidential Foundation and Institute at the seventh annual Reagan National Defense Forum.
Lisa Yaszek Named New Regents Professor

Lisa Yaszek, professor in the School of Literature, Media, and Communication, was appointed Regents Professor by the University System of Georgia (USG) Board of Regents. She has helped build Georgia Tech’s reputation for research at the intersections of science fiction and issues of gender, race, and technology and is an influential voice in both academia and the wider public. Yaszek has made foundational contributions to the understanding of science fiction as a global language crossing centuries, continents, and cultures. Her scholarship encompasses the aesthetic of Afrofuturism and emphasizes recovery of lost voices in science fiction history and the discovery of new ones around the globe.

Todd Michney Receives Board of Regents Award for Excellence

The University System of Georgia Board of Regents recognized Todd Michney’s work on the Ivan Allen Jr. Digital Archives with a 2019 Award for Excellence in the Educational Use of Historical Records. Michney’s project provides user-friendly digital tools to provide both scholars and the public access to the papers of the former Atlanta mayor and College namesake, Ivan Allen Jr.

Amy D’Unger Named Chancellor’s Learning Scholar by Board of Regents

Amy D’Unger will facilitate Faculty Learning Communities (FLCs) on campus. She is a senior academic professional and associate director of undergraduate studies in the School of History and Sociology. She holds a Ph.D. in Sociology from Duke University with interests in the areas of race, class, and gender; inequality; social policy; social control and eugenics; and crime.

Marilyn Brown Named Interim Chair of the School of Public Policy; Reappointed Regents Professor

Marilyn A. Brown began serving as interim chair on June 1, 2020. Author of more than 250 publications and principal investigator on $27 million in research, Brown also brings extensive administrative experience including directing the Climate and Energy Policy Lab, chairing graduate studies committees, and leading the Oak Ridge National Laboratory, and numerous external boards for energy and policy alliances. She was also reappointed for a second term as Regents Professor by the USG Board of Regents.

Melissa Ianetta Appointed Director of Writing and Communications Program

Melissa Ianetta was appointed as the Class of 1958 Professor in Communication and director of the Writing and Communications Program in the School of Literature, Media, and Communication. She oversees classes for 5,000 to 6,000 Georgia Tech students in first-year composition, technical, and business communication, as well as learning support and research writing. Ianetta also leads the Marion L. Brittain Postdoctoral Fellowship program. Ianetta succeeds Rebecca Burnett who retired in August 2020.

Four Professors Named Emeritus

John Krige (HSOC). He researches the intersection between science, technology, and foreign policy.

Angela Dalle Vacche (LMC). She researches the intersection of aesthetic theory and film history.

Jacqueline J. Royster (LMC). She researches rhetorical studies, literacy studies, women’s studies, and cultural studies.

Rebecca Burnett (LMC). She researches professional and technical communication; collaboration, groups, and teams; communication assessment; communication in the disciplines and professions; intercultural/ international communication; and risk communication.
TEACHING HIGHLIGHTS

PROVOST’S TEACHING AND LEARNING FELLOWS

The 2019-2020 fellows were associate professors Carla Gerona (HSOC), Narin Hassan (LMC), and Gordon Kingsley (PubPol). Douglas Flamming, professor in History and Sociology, will be a Fall 2020 Hesburgh Award Teaching Fellow. Kate Pride Brown and Todd Michney, both assistant professors in History and Sociology, were named Class of 1969 Teaching Fellows.

Jenny Strakovsky, assistant director of Career Education and Graduate Programs in Modern Languages, was awarded Professor of the Year by the American Association of Teachers. She also received CTL’s Innovation in Co-Curricular Education Award.

NEW FACULTY

Abigail Vaughn, Assistant Professor, Sam Nunn School of International Affairs
Her research focuses on the role of coercion in international financial governance. She investigates how security partnerships condition how countries respond to financial crises.

Amit Prasad, Associate Professor, History and Sociology
He specializes in the transnational and post/de-colonial sociology of science, technology, and medicine.

Andrea Jonsson, Assistant Professor, Modern Languages
Her research focuses on sound and poetics and engagement with interdisciplinary voice studies in contemporary French literature, media, and culture.

Brian An, Assistant Professor, Public Policy
His research examines urban policy, public finance, and broader governance and social equity issues. He is currently working on Covid-19 pandemic and global governance research.

Casey Wichman, Assistant Professor, Economics
His research sits at the intersection of environmental and public economics, focusing on how people interact with the natural and built environment and what that behavior reveals about the value of environmental amenities.

Daniel Dench, Assistant Professor, Economics
His research investigates how incentives affect health and education behavior, specifically how policy affects the demand for tobacco products and how instructor inputs motivate students to complete independent work.

Hyoun-A Joo, Assistant Professor, Modern Languages
Her research focuses on theoretical aspects of second language acquisition as well as its use in migration contexts.

Kelley Fong, Assistant Professor, History and Sociology
She studies social inequality and family life, focusing on how families engage with state systems and how these systems affect families.

Leila Glass, Assistant Professor, Modern Languages
Her research focuses on word meaning, world knowledge, and reasoning about the speaker's intentions, drawing on rich empirical data to investigate how language is understood in context.

Melissa Ianetta, Class of '58 Professor in Writing and Communication, director of Writing and Communication Program, Literature, Media, and Communication
Her research focuses on writing studies with specialization in research methods and undergraduate research.

Nadia Kostyuk, Assistant Professor, Public Policy
Her research focuses on modern warfare, cyber conflict, and cyber capability. Her methodological areas of interest include mathematical and computational modeling, and, in particular, network and text analysis.

Whitney Buser, Academic Professional, Economics
Her research focuses on gender differences in financial literacy, performance evaluation, confidence in mathematical abilities, behavioral economics, and formal and informal institutional impacts on policy and economic well-being.

FACULTY PROMOTIONS

Associate professors elevated to full professor: Bill Winders (HSOC), Christophe Ippolito (Mod.Lang), Michael L. Best (Nunn School), Michael Hoffmann (PubPol), Tibor Besedes (Econ). Associate Professor André Brock (LMC) was granted tenure. Assistant professors promoted to associate professor and granted tenure: Anjali Thomas and Mariel Borowitz (Nunn School), Emanuele Massetti (PubPol), Gregory Zinman and Yanni Loukissas (LMC), and Justin Burkett (Econ). Jillann Hertel (LMC) was promoted to senior academic professional.
DOCTORAL STUDENTS

Aditya Anupam (DM) and Anthony Harding (ECON) were awarded Graduate Student Instructor of the Year by Georgia Tech’s Center for Teaching and Learning (CTL). Yusho Yang (ECON) was awarded CTL Graduate Teaching Assistant of the Year.

Daniel Schiff and Karl Grindal (both PUBP) were selected as Georgia Innovative Economic Development interns by the Science, Technology, and Innovation Policy (STIP) program at Georgia Tech’s Enterprise Innovation Institute. Schiff will study artificial intelligence (AI) policy strategies and AI ethics codes/guidelines. Grindal’s research will analyze customer breach notification data to discover what types of companies are being targeted.

Duri Long (DM-HCI) received an honorable mention award for her paper “What Is AI Literacy? Competencies and Design Considerations,” placing among the top 4% of papers accepted for the Conference on Human Factors in Computing Systems. Long’s co-author was digital media professor Brian Magerko.


HSTS student Renee Shelby’s paper “Techno-Physical Feminism: Surveillance, Anti-Rape Technology and Shifting Risk Paradigms” won the 2019 Section on the Sociology of Body and Embodiment Best Graduate Publication Award. Shelby’s paper was accepted for publication by Feminist Media Studies.

Winners at the 2020 Ivan Allen College Graduate Paper Competition at the Career, Research, and Innovation Development Conference were doctoral students Sharon Rachel (HSTS) who took first place for “Ignoring Sexism Is Sexism! A Review of Recent Sociological Research on Women and Health”; Karim Farhat and Karl Grindal (PUBP) won second place for “Signal and Noise: Deterrence and Persistent Engagement at Crosscurrents”; Olufunke Adebola (IAST) placed third for “Institutions: Drivers of Postharvest Loss,” tying with Jeremy Pesner (PUBP) for “Exploring Links between Research Proposals and Societal Impact.”

DOCTORAL AND UNDERGRADUATE

ECON doctoral student Xiaoyu Dong and ECON major Sarah Tinsley presented posters at the 7th Annual Research Expo organized by the Georgia Department of Transportation and the Georgia Transportation Institute. Participants are usually engineering students.
Five Students Receive President’s Undergraduate Research Awards

Ashley Alton (CM) for “Transgender Narratives in Science Fiction”; Julia Clendenin (LMC) for “Identifying Best Sound Practices for Radio Drama and Podcast Production”; Nina Qin (CM) for “Increasing Efficacy of Education Technology through Hip-Hop-Based Pedagogical Affordances”; Rocío Soto (LMC) received funding to present “Exhibiting Identity” at the IWCA-NCPTW 2019 Conference as did Samuel Weiss-Cowie (ALIS) to present “Hyper-Articulation in Korean Glides by Heritage Language Learners” at the Linguistic Society of America Annual Meeting.

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UNDERGRADUATE STUDENTS

Genevieve Onyiuke-Kennedy (IA), a tutor with the Naugle Communication Center (CommLab), won the 2020 Southeastern Writing Center Undergraduate Peer Tutor of the Year Award.

Hanka Kirby (PUBP) was one of 17 Tech students selected as a 2019 Millennium Fellow. Kirby, who has been a member of the Climate Reality Project and Citizens Climate Lobby, will be working on the Sustainable Events Initiative.

Joshua Lundregan (ALIS) won first place in the advanced level category of the 29th Annual Japanese Speech Contest.

Kaelyn Kim (IA) and Jack Sheldon (IAML) represented Georgia Tech in the second Peace Summit of Emerging Leaders hosted by the Humanitarian Affairs Asia at the U.N. Conference Centre in Bangkok, Thailand. Their participation was funded by the Office of the Provost.

Kate Groce (LMC) was named Class of 2021 Student of the Year by the Steven A. Denning Technology and Management Program in the Scheller College of Business, where she is working toward a minor in Technology and Business.

Lauren Lambert (LMC) completed a summer internship at NASA’s Marshall Space Flight Center.

Noah Crafts (IAML) and Anne Hardin (PUBP and BA) were awarded the competitive Stamps President’s Scholarships. Crafts recently interned with Taiwan Security Research, Hardin with Senator Johnny Isakson’s office.

Rachel Dekom (HSOC) received an SAB Internship Scholarship to research child welfare policy to assist a mobile clothing pantry for foster children as advocate for a Foster Child Bill of Rights in Georgia.

Sarah Tinsley (ECON) was awarded the 2020 Joseph K. Heyman Scholarship by the Atlanta Economics Club.

Steven Leone (CS) and Katie Earles and Catherine Moore (both PUBP), with Kira O’Hare (ISYE), and Taylor Sparacello (ME) won the JUMP into STEM competition at Oak Ridge National Laboratory for their project "Behavioral Incentives on Children and their Parents to Reduce Energy Consumption.”

Six liberal arts majors were elected to the Student Government Association’s executive branch for 2020-2021: Kyle Smith (PUBP), Executive Vice President; Caleb Torres (PUBP), Chief of Staff; Jackson Caruso (PUBP, IA Minor), Vice President of Academic Affairs; Grace Swift (EIA), Vice President of Communications; Emmett Miskell (IA), Vice President of Campus Services; and Samuel Ellis (IA), Vice President of External Affairs.

Eight Ivan Allen College majors were accepted into the 2020 Georgia Legislative Internship Program: PUBP majors Casey Barton, Hanka Kirby, Jack Delliapenna, Jack Fortune, and Jackson Caruso; Allie-Grace Mock (LMC); and Henry Tharpe and Kayli Moody (both IA).
Message from Barrett Carson, Vice President for Development

Since its inception in 1885, philanthropy has been a constant factor in shaping the Georgia School (now Institute) of Technology. The Carnegie Building began its life as a gift from philanthropist Andrew Carnegie to build our first library. The building at the base of Tech Tower is named after Georgia Tech’s largest donor—Lettie Pate Whitehead Evans. Historic Grant Field. Price Gilbert. Moore. McCamish. Smithgall. Ford. Whitaker. Petit. Love. Krone. Stamps. Clough. The list goes on. Similarly, Colleges and Schools bear the names of generous donors and distinguished alumni: Guggenheim; Scheller; Stewart; Coulter; Woodruff; Nunn; and, Ivan Allen. Today, as before, Georgia Tech alumni lead by example, as the Institute remains committed to developing leaders who advance technology and improve the human condition.

2020 IVAN ALLEN COLLEGE DISTINGUISHED ALUMNI AWARD RECIPIENTS

**DISTINGUISHED ALUMNI AWARDS**

**Sterling Gerdes** (IAML-French 2008), Innovation Strategy Leader, Delta Global Innovation Center

**Nicole B. Kruse** (M.S. IA 2000), Chief Development Officer for Health and Peace Programs, The Carter Center

**François Rollin** (HTS 2004), Associate Professor of Medicine, Emory University

**Özge Samanci** (Ph.D. DM 2009), Associate Professor, Northwestern University School of Communication


**Cynthia Warrick** (M.S. PUBP 1994), President, Stillman College

**Philip P. Bolton**, Founder and Publisher of Global Atlanta

**IVAN ALLEN JR. LEGACY AWARDS**

**Faculty Award**

**Richard Barke**, Professor in Public Policy

**Graduate Student Award**

**Rana Olivia Shabb**, IAST doctoral candidate

**Undergraduate Student Award**

**Abigail Burke**, EIA major
With a B.S., M.S., and now a Ph.D., all in Public Policy, Bekah St. Clair achieved her Triple Jacket Dream. Only 1,141 of the roughly 183,000 Georgia Tech graduates have earned three degrees from the Institute, and even fewer have earned three from the same department like St. Clair. Pictured here with her mentor, Associate Professor Kimberley Isett (left), St. Clair is now a Health Policy Fellow at the Centers for Disease Control and Prevention.

Alumnus Alfie Meek (ECON 1991), director of the Center for Economic Development Research at Georgia Tech’s Enterprise Innovation Institute, was named to the Economic Impact Subcommittee of the Governor’s Coronavirus Task Force.

Banafsheh Azizi (IA 2004, M.S. IA 2008) and Chaunte Lowe (ECON 2008) were named to the inaugural Georgia Tech Alumni Association 40 Under 40 Class. Azizi is Corporate Operating Officer of Bayt Abdullah Children’s Hospice. Lowe is a four-time Olympian and American record-holder.
GETTING TO KNOW THE COLLEGE

MISSION AND CORE GOALS

The liberal arts have been a part of Georgia Tech since the university first opened its doors in Atlanta in 1888, with English as one of the original six subjects offered.

The Ivan Allen College of Liberal Arts, established in 1990, consists of six Schools, three ROTC units, and several research centers, and exemplifies strengths in humanities and social sciences.

<table>
<thead>
<tr>
<th>School of Economics</th>
<th>School of Public Policy</th>
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<tbody>
<tr>
<td>School of History and Sociology</td>
<td>Sam Nunn School of International Affairs</td>
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<tr>
<td>School of Literature, Media, and Communication</td>
<td>Air Force ROTC</td>
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<tr>
<td>School of Modern Languages</td>
<td>Army ROTC</td>
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<td></td>
<td>Navy ROTC</td>
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Ivan Allen College has 12 areas where curriculum and research bridge across two or more Schools in the College: computational social sciences; digital humanities; energy, environment, and sustainability; ethics and emerging technologies; gender studies; global development; global languages and cultures; health analytics and policy; media studies; security (cyber, economic, health, food, and international); science and technology policy and governance; and social justice. We enrich knowledge-making enterprises dynamically and encourage ethical principles in our engagements with a broad variety of communities.

Computational Social Sciences
Digital Humanities
Energy, Environment, and Sustainability
Ethics and Emerging Technologies
Gender Studies
Global Development
Global Languages and Cultures
Health (analytics, policy, and well-being)
Media Studies
Policy and Governance
Security (cyber, economic, health, food, and international)
Social Justice

PREPARING LEADERS

The Ivan Allen College of Liberal Arts prepares leaders who are capable of balancing a richly defined base of expertise with a well-grounded sense of responsibility.

The College currently has 837 undergraduate students and 617 graduate students; however, we instruct, serve, and support almost every Georgia Tech student. Students can choose from 16 undergraduate degrees, including six five-year bachelor/master’s programs; 14 master’s programs; six doctoral programs; 34 minors; and 24 undergraduate and graduate certificate programs.

We have more than 4,500 living alumni worldwide, with largest densities in the following locations: GA, CA, VA, DC, NY, TX, FL, and NC. Alumni of Ivan Allen College programs can be found in a wide variety of organizations and sectors, including: Georgia Tech and other academic institutions; consulting firms (e.g., Booz Allen Hamilton, Deloitte Consulting, Accenture); Fortune 500 and industry-leading companies (e.g., Google, Facebook, Coca-Cola, Home Depot, IBM, Delta Air Lines, Microsoft, Mailchimp, Cartoon Network); government agencies (e.g., mayor’s office, governor’s office, Georgia Department of Economic Development, U.S. Department of State, NASA, other state and federal agencies); and nonprofit institutions (e.g., Atlanta Regional Commission, Boys and Girls Club, Teach for America).
COLLEGE CULTURE AND CLIMATE INITIATIVES

*Most Georgia Tech Diversity, Equity, and Inclusion awards of all Colleges in 2020.

*A Diversity and Inclusion Council that is currently developing strategic goals.

*Several faculty have a corpus of research on gender studies, African American studies, LGBTQ studies, disabilities and access, and more.

*The CACP research portfolio focuses on accessibility and usability studies, user testing and human factors analysis, all of which help industry better understand the needs of a wide range of users, especially people with disabilities, the aging, and other vulnerable populations.

*School of History and Sociology established an Anti-Racist Action Committee.

*Nunn School has formed a Diversity Committee with connections in the Atlanta University Center Consortium.

*Modern Languages developed inclusive graduate programming for the MS-GMC and MS-ALIS, emphasizing cross-cultural competencies and global leadership.

*ROTC conducted equal opportunity surveys among all students and staff to gain an understanding of the climate related to equal opportunity, sexual harassment, discrimination, and the overall command climate.

*Air Force ROTC added 100 ROTC scholarships for students at Historically Black Colleges and Universities.

DISTINGUISHED FACULTY

Ivan Allen College has nearly 350 tenured, tenure-track, non-tenure track, and permanent research faculty. They teach and conduct boundary-breaking interdisciplinary research. Many are internationally recognized as leaders in their fields, hold civic and academic appointments, and serve on influential boards and as editors of top academic journals. Their honors include:

1 National Academy of Engineering member
1 National Academy of Sciences member
9 American Association for the Advancement of Science Fellows
1 National Academy of Public Administration Fellow
3 Regents Professors
1 Regents Researcher

Numerous other national fellowships including NEH, Presidential Management Fellow, Council on Foreign Relations, UN/Macao (Director of University Institute on Computing and Society), International Institute of Strategic Studies, Wilson Center/Smithsonian Institution, U.S. Institute of Peace, Knight of the Order of Merit/France, EU Jean Monnet Scholar, and Guggenheim Fellowships.

RESEARCH

$9M External Sponsored Research Funding.
Faculty are principal investigators or participants in multimillion-dollar awards.

RESEARCH CENTERS

Atlanta Global Studies Center (AGSC)
Center for Advanced Communications Policy (CACP)
Center for the Development and Application of Internet of Things Technologies (CDAIT)
Center for Ethics and Technology (CET)
Center for European and Transatlantic Studies (CETS)
Center for International Strategy, Technology, and Policy (CISTP)
Center for Media Studies
China Research Center
Climate and Energy Policy Laboratory (CEPL)
Digital Integrative Liberal Arts Center (DILAC)
Ethics, Technology and Human Interaction Center (ETHICx)
Health Economics Analysis Lab (HEAL)
HomeLab
Internet Governance Project (IGP)
Naugle Communication Center (CommLab)
Science, Technology, and Innovation Policy CoLab (STIP)
Technology Policy Assessment Center (TPAC)
The James and Mary Wesley Center for New Media Education and Research
The College saw unprecedented growth during the 2019-2020 academic year, with enrollments rising 44% over the previous year to a new high of 1,865 students. This fifth consecutive year of upward trending enrollments reflects growing awareness of the value and impact of the College’s unique liberal arts programs.

Applications to join the College’s first-year class also grew for summer and fall terms in 2020, outpacing the previous year by 31.4%. That is more than triple the application growth for Georgia Tech overall during the same time period and the highest of the Institute’s six Colleges.

Much of this growth was driven by strong interest in the interdisciplinary campus and online Master of Science in Cybersecurity offered by Public Policy jointly with the Colleges of Engineering and Computing. Other areas of strong growth throughout the decade include undergraduate programs in Economics; Literature, Media, and Communication; as well as the Master’s in Digital Media, and in Human-Computer Interaction.

2019-2020 Enrollment: 837 undergraduate and 617 master’s and doctoral students

<table>
<thead>
<tr>
<th>Four-Year Enrollment Increases</th>
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<tbody>
<tr>
<td>Economics 50.0%</td>
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<tr>
<td>History and Sociology 43.4%</td>
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<tr>
<td>Literature, Media, and Communication 38.5%</td>
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<tr>
<td>Modern Languages 36.4%</td>
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<tr>
<td>Public Policy 132.8%</td>
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2020 Enrollment by Degree:

- B.S. LITERATURE, MEDIA, AND COMMUNICATION: 179
- B.S. COMPUTATIONAL MEDIA: 92
- B.S. HUMAN-COMPUTER INTERACTION: 57
- M.S. DIGITAL MEDIA: 24
- M.S. CYBERSECURITY POLICY: 110
- M.A. SUSTAINABLE ENERGY AND ENVIRONMENTAL MANAGEMENT: 13
- M.S. CYBERSECURITY POLICY (ONLINE): 13
- M.S. PUBLIC POLICY: 21
- PH.D. PUBLIC POLICY (JUNIOR WITH GEORGIA STATE): 11
- B.S. ECONOMICS: 103
- M.S. ECONOMICS: 49
- B.S. ECONOMICS AND INTERNATIONAL AFFAIRS: 57
- B.S. INTERNATIONAL AFFAIRS: 79
- PH.D. INTERNATIONAL AFFAIRS: 22
- B.S. APPLIED LANGUAGE AND INTERCULTURAL STUDIES: 24
- M.S. APPLIED LANGUAGE AND INTERCULTURAL STUDIES: 6
- M.S. GLOBAL MEDIA AND CULTURES: 16
- B.S. GLOBAL ECONOMICS AND MODERN LANGUAGES: 12
- M.S. HISTORY AND SOCIOLOGY OF TECHNOLOGY AND SCIENCE: 10
- M.S. HISTORY AND SOCIOLOGY OF TECHNOLOGY AND SCIENCE: 11
- B.S. INTERNATIONAL AFFAIRS AND MODERN LANGUAGES: 65
- M.S. INTERNATIONAL AFFAIRS: 55
- M.S. HISTORY OF TECHNOLOGY: 35
ADVISORY BOARD

Douglas R. Hooker
(ME 1978, MS TSP 1985)
Executive Director, Atlanta Regional Commission

H. Bruce McEver
(IE 1966)
Chairman, Berkshire Capital Securities LLC

Haywood Solomon
(IM 1970)
Principal, HFS Management Consultants

Hubert L. Harris Jr.
(IM 1965)
Owner, Harris Plantation

Ivan Allen IV
Director of Enterprise Business Development, Staples Contract and Commercial

J. Vernon O’Neal Jr.
(ECON 1979)
Senior Vice President, USI Insurance Services

James B. Langford
Executive Director, Georgia Prevention Project

John M. Stern
Owner, Methods Workshop LLC

Joseph B. Owens, Jr
(ECON 1977)
Chief Financial Officer, Indego Africa

L. Christopher Young, J.D.
(HSOC 2000)
Senior Sector Consultant, Accenture’s State and Local Government Practice

Richard R. House Jr. (Chair)
(ECON 1985)
Founder and Managing Director, Joe Mack Ventures

Stephen C. Hall
(IM 1967)
Colonel, USAF (Ret.)

H. Inman Allen
(Emeritus Member)
Retired Chairman and CEO, Ivan Allen Company

We welcomed three new members in 2019/2020:

Amy Phuong (INTA 2005, MBA 2014), Vice President, Governmental Relations, Atlanta Hawks and State Farm Arena

Ann Hoevel (STaC 1998), Director of Communications, Georgia Tech College of Design

R. Hoke Smart (HTS 2000), Chief Financial Officer, Windsor Built Homes

We are grateful to the individuals who serve on advisory boards for the College, and the Schools of Economics, Literature, Media, and Communication, Public Policy, and the Sam Nunn School of International Affairs. Their dedication and insights are invaluable.

We also express our gratitude to staff in the dean’s office and in each school. Their inestimable contributions allow us to be global leaders in thought, innovation and academia.