



Annual Report

July 1, 2018 – June 30, 2019

Submitted by
Walter B. Fain, Ph.D.
Executive Director

During the past year, the Center for Advanced Communications Policy (CACP) has transitioned from the leadership of our founder, Dr. Helena Mitchell, to a new executive director, Dr. Walter (Brad) Fain. The occasion has given us pause to note the achievements of Dr. Mitchell, and the vast opportunities that currently lay before us. I am proud to report that the faculty and staff of CACP have come together to re-envision and execute our mission to the level of commitment and expertise that we have been recognized for. In the coming year, we look forward to applying our expertise and commitment to research excellence toward solving new problems that face humanity, government, and industry. This report documents our past accomplishments and our vision for how we will continue to evolve in the years to come.

Our strategic vision for this year has been threefold. First, we have leveraged relationships across campus to form a coalition of researchers interested in collaborating on projects with social impact, ranging from local to global in scale. We have materially contributed to the launch of a new campus program to empower people living with Mild Cognitive Impairment. This new collaboration will result in the first of its kind day use facility outfitted with an array of sensors to measure the impact of intervention and care programs so that they may be continuously adjusted and tailored to the individual. We have established new relationships with faculty from the School of Design to solve accessibility problems for industry to increase the availability of equipment necessary for meaningful work. Second, we have grown our applied accessibility and usability work by executing sponsored programs for voting systems and office equipment. CACP has been recognized by a major voting system manufacturer as the 'go to' experts for voting systems design and policy analysis. Finally, we have fostered the professional curiosity and passions of CACP staff members by finding new opportunities for multidisciplinary collaboration. Encouraging existing researchers to reach beyond their current research interests has launched us in a direction of growth that we will continue to foster.

This year CACP has focused on applied problems of national and international relevance spanning across diverse research and development interests. CACP has completed assessments of local and global policy issues, the production of regulatory filings, the identification of future options for innovation, and the articulation of a clearer vision of

the ever-changing technology landscape. Research areas included wireless communications and platforms; technology use by vulnerable populations including people with disabilities and older adults; emergency alerts and communications; STEM (science, technology, engineering, and mathematics) education and workforce development; and the impact of technology shifts, such as Internet of Things and Smart wearables. CACP collaborated with government, industry and academia at the local, state, national and international levels. In addition, CACP participated in the Ivan Allen College activities through mentoring students and independent studies. CACP also continued collaborative educational efforts by working with institutions within the University System of Georgia, Technical College System of Georgia, and Emory University. CACP contributed to the goals of the Georgia Tech Strategic Plan, by fulfilling one of its key objectives, to “understand and influence connections between technology and policy.”

Within this document, CACP summarized highlights of the past year's efforts from our researchers and technical staff. The report is divided into eleven areas: Instruction and Appointments (pg. 2); Research and Creative Scholarship (pg. 5); Citations (pg. 10) Academic and Service Activities (pg. 11); Dissemination Activities (pg. 12); Summative Collaborations & Meetings (pg. 18); Board Memberships and National Recognition (pg. 23); Sponsored Funding (pg. 25); Collaborative Efforts (pg. 27); CACP Goals for 2017-2022 (pg. 28); CACP Organizational Chart (pg. 30); and CACP Website Analytics (pg. 32).

This year there were more than 23 publishing activities; 26 major engagements and conferences; active participation on 20 academic and service activities; 4 student assistantships or advisory roles by faculty of CACP; and 38 memberships on boards/committees or national recognition. Sponsored research was funded at **\$1,387,469**. In addition to this funding, CACP has benefited from funding from Brad Fain's research program currently held in GTRI, totaling **\$2,249,398**. CACP staff/faculty participated in more than 541 meetings with external/internal organizations and/or their representatives.

INSTRUCTION AND APPOINTMENTS

Paul M.A. Baker, Ph.D.:

Senior Director, Research and Strategic Innovation, and Principal Research Scientist, Center for Advanced Communications Policy (CACP)

Adjunct Professor, Centre for Disability Law and Policy, National University of Ireland, Galway, Ireland, January 2011 – present

Faculty, Institute for People and Technology, January 2011 – present

Faculty, GVU, January 2010 – present

Faculty, Wearable Computing Center, January 2015 – present

Faculty, C21U, 2012 – present

Co-chair, CDAIT Thought Leadership Working Group, January 2017 – present

Megan Denham:

Senior Research Associate, GTRI, Center for Advanced Communications Policy (CACP)

Jeff Evans:

Director, Digital Transformation of Things, GTRI, Center for Advanced Communications Policy (CACP)

Brad Fain, Ph.D.:

Principal Research Scientist, GTRI, CACP

Executive Director, Center for Advanced Communications Policy (CACP)
February 2019 – present

Affiliated Researcher, Institute for People and Technology (IPaT)

Fellow, WellStar Health System, 2016 – present

Advising:

Nicole Kosoris, Doctoral Student
Georgia Institute of Technology,
College of Computing, 2018 - present

Sarah Farmer:

Research Scientist I, GTRI, Center for Advanced Communications Policy (CACP)

Salimah LaForce:

Senior Policy Analyst, Center for Advanced Communications Policy, Georgia Institute of Technology - 2006 to present

Advising:

Dara Bright, Graduate Research Assistant
Master's Student, School of Public Policy
Georgia Institute of Technology
July 2018 – Present

Laura Breithaupt, Graduate Research Assistant
Master's Student, Rollins School of Public Health
Emory University
October 2018 – May 2019

Maureen Linden:

Senior Research Engineer, Center for
Advanced Communications Policy (CACP)
Senior Research Engineer, CATEA,
Georgia Institute of Technology

Helena Mitchell, Ph.D.:

Regents' Researcher Emeritus, February 2019
Ivan Allen College

Principal Research Scientist, School of Public
Policy

Executive Director, Center for Advanced
Communications Policy (CACP)
July 2018 – January 2019

Faculty, Center for the Development and
Application of Internet of Things Technologies
(CDAIT), Georgia Tech, 2016 - present.

Visiting Professor, Amity University, London,
England

Board of Trustees, American College of Greece
2018 - Present

Advising:

Natasha Malmin, Doctorate Student
Dissertation Committee
Joint – Andrew Young School of Policy Studies,
Georgia State University and School of Public
Policy, Georgia Institute of Technology,
July 2018 - Present

Nathan W. Moon, Ph.D.:

Senior Research Scientist, School of Public
Policy

Director of Research, Center for Advanced
Communications Policy (CACP)

Part-Time Lecturer, School of History and
Sociology (HSOC)

Faculty, School of Science and Technology,
Georgia Gwinnett College, 2016-present.

Affiliated Researcher, Institute for People and
Technology (IPaT)

Guest lecturer SPP 6502. Nathan led a
discussion on "Information & Communications
Policy: Disability and Access."

Guest lecturer SPP 6001. Nathan and Professor
Milton Mueller led a discussion on
"Communications, Internet & Cybersecurity
Policy."

RESEARCH AND CREATIVE SCHOLARSHIP

Books and Books Chapters (1)

Baker, P.M.A., Drev, M., & Almeida, M. (2019). "Postsecondary Education and the Development of Skilled Workforces: Comparative Policy Innovation in Brazil and the U.S. In U. Hilpert (Ed.), *Diversities of Innovation*. United Kingdom: Taylor & Francis Ltd: Routledge. pp. 108-136.

Journal Articles, Papers and Conference Proceedings (refereed) (8)

Bennett, D. & LaForce, S. (2019). Text-to-action: Understanding the interaction between accessibility of wireless emergency alerts and behavioral response. In *Risk Communication and Resilience*. Routledge. [June 2019]

Mahajan, H.P., Milchus, K., Harris, F., Linden, M., Moon, N., Sanford, J.A. "Do coworker interactions impact workplace participation of people with disabilities?" In *Proceedings of the Annual Conference on Rehabilitation Technology*. Presented at the RESNA conference, Toronto, Canada, June 2019.

Milchus, K., Harris, F., Linden, M., Mahajan, H. Moon, N., and Sanford, J. "Findings from the Universal Design Practices to Enhance Work Outcomes Project." Presentation at the NARRTC 2019 Annual Conference, Washington, D.C. April 13, 2019.

Moon, N.W., Baker, P.M.A., & Goughnour, K. (2019). Designing wearable technologies for users with disabilities: Accessibility, usability, and connectivity factors. *Journal on Rehabilitation and Assistive Technologies Engineering [RATE Journal]*. Special collection on wearable technologies for active living and participation. Vol 6:1-11 [In press.] DOI: 10.1177/2055668319862137

Zeagler, C.; Gandy, M.; Baker, P.M.A. (2018). The Assistive Wearable: Inclusive by Design. *Assistive Technology Outcomes and Benefits*, Volume 12 (Summer) 11-36.

Stara, V., Harte, R., Di Rosa, M., Glynn, L., Casey, M., Hayes, Rossi, L., Mirelman, A., Baker, P.M.A., Quinlan, L. & ÓLaighin, G. (2018). Does culture affect usability? A trans-European usability and user experience assessment of a falls-risk connected health system following a user-centred design methodology carried out in a single European country. *Maturitas*, 114, 22-26.

Fealing, K. H., Baker, P.M.A., McNeely, C. L., & Hanus, A. (2018.) *A Science Policy Research Report A Research Agenda for the Science of Broadening Participation: STEM Employment of Individuals with Disabilities*. Washington D.C.: http://sites.nationalacademies.org/cs/groups/pgasite/documents/webpage/pg_a_190490.pdf

Publications non-refereed (11)

Baker, P.M.A. (2019). *US Voting Systems Security Working Paper: "Revisioning the U.S. Elections Process: Voting Security and Election Integrity."* Georgia Institute of Technology. Center for Advanced Communications Policy Paper, June, 2019. <https://cacp1.gatech.edu/sites/default/files/Research/Papers/Voting%20Security%20Working%20Paper%206-1-2019.pdf>

Baker, P.M.A. (2018) *U.S. Elections and Voting Landscape Study Highlights/Observations*. November 2018. Center for Advanced Communications Policy Paper, November 2018. https://cacp.gatech.edu/sites/default/files/CACP_Voting_Landscape_Highlights_and_Observations_Nov_2018.pdf

Chen, S., de Witte, L., Friesen, E., Inoue, T., Hoogerwerf, E., Khasnabis, C., Linden, M., Moon, I., Yu, H., "World Health Organization (WHO) Global Cooperation on Assistive Technology (GATE) and Assistive Technology (AT) World Congress," Plenary Panel Session, The 12th RESKO Technical Conference, Goyang, Korea, November 9, 2018.

Farmer, S. & Fain, B. (2019). *Development of Evidence-Based Personas to Drive Innovation for Adults Aging with Disabilities*. Manuscript submitted for publication.

Gaspard, H., Baker, P.M.A., & Zhu, J. (2019) "How regions become innovation hubs." *The Hill Times*, Wednesday, Feb, 13, 2019, P. 28. Online: <https://www.hilltimes.com/2019/02/13/regions-become-innovation-hubs/188212>

LaForce, S. Senior Editor, *Technology & Disability Policy Highlights Newsletter (TDPH)* (12 issues) produced by the Center for Advanced Communications Policy

(CACP), Georgia Institute of Technology. TDPH provides a monthly report on national and local public policy events and recent wireless technological advances and political activities at the intersection of disabilities. Retrieved from [TDPH website](#).

LaForce, S., Bright, D., Garcia, A. (2019). Mobile Phone Accessibility Review [Research Report]. Available at <http://www.wirelessrerc.org/mobile-phone-accessibility-review>

Moon, N.W., Griffiths, P., & LaForce, S. [Published under Wireless RERC authorship]. Survey of User Needs, SUNspot 2 Use of Wireless Technology Features and Wireless Device Activities by Individuals with Disabilities, 2017-2018, Vol. 2019, No. 19-02 – May 2019. <http://www.wirelessrerc.org/survey-user-needs-sunspot-2-use-wireless-technology-features-and-wireless-device-activities>

Moon, N.W., Griffiths, P., & LaForce, S. [Published under Wireless RERC authorship]. Survey of User Needs, SUNspot 1 Use of Mobile Phones by Individuals with Disabilities, 2017-2018, Vol. 2019, No.19-01 – April 2019. <http://www.wirelessrerc.org/survey-user-needs-sunspot-1-use-mobile-phones-individuals-disabilities-2017-2018>

Moon, N.W., Baker, P.M.A., and Goughnour, K. (2018). "Accessibility, Usability, and Social and Cultural Acceptance of Next-Generation Wireless Devices: Initial Findings from Focus Group Research." Technical Report Research Brief #18-01 (Dec 2018). Atlanta, GA Wireless RERC. DOI: 10.13140/RG.2.2.12844.51849

Thought Leadership Working Group, CDAIT. (2018). *Driving New Modes of IoT-Facilitated Citizen/User Engagement*," (July, 2018). Center for the Development and Application of Internet of Things Technologies (CDAIT), Atlanta, Georgia. (Paul M.A. Baker, co-editor). https://cdait.gatech.edu/sites/default/files/georgia_tech_cdait_thought_leadership_working_group_white_paper_july_9_2018_final.pdf

Filings on Rulemakings to the Federal Communications Commission, Washington, D.C. and other federal agencies (4)

- May 2019- Reply comments in response to the FCC's Public Notice, *Improving the Wireless Resiliency Cooperative Framework* [PS Docket No. 11-60]. Available at <http://www.wirelessrerc.gatech.edu/policy-filings>

The comments commended the voluntary actions and investments of the wireless industry for strengthening their networks to withstand disaster events. However, we contended that more could be done to ensure that people with disabilities are included in the planning and deliberations, and consequential actions of the Framework. Specifically, the Wireless

RERC agreed with Verizon's assertion that "the Framework also should continue to preserve wireless providers' ability to determine, based on sound engineering principles and objective factors like available coverage and traffic demands, where and how to allocate their assets and services in a locality to most effectively and efficiently respond to a disaster.[1]"

The impacts of large-scale disasters are highly variable and continually changing as events unfold. Prescribing a metric for where and how much pre-positioning of assets based on population size could potentially delay restoration to the hardest impacted areas that contain some of our nation's more vulnerable to disaster populations. For example, the population-size formula would systematically exclude rural areas from pre-disaster positioning of assets. There is a higher prevalence of disability in rural America compared to urban areas.[2] This fact, coupled with a population-size formula, places rural residents with disabilities in jeopardy of extended delays to wireless services that they rely on for accessible communications. We also recommended that the criteria for mutual aid and service restoration not rule out areas that have been deemed to have no user access. There are many residents without the financial resources to comply with evacuation orders. Though the area may have been designated as mandatory evacuation, reports have shown that people with disabilities and the elderly often remain in these areas. Thus, providers retaining the flexibility to quickly restore communications access via wireless devices would literally be a lifeline for residents who need saving by search and rescue parties.

Wireless RERC reply comments also supported comments made by CTIA and the Telecommunications for the Deaf and Hard of Hearing, Inc. ("TDI"), Hearing Loss Association of America ("HLAA"), National Association of the Deaf ("NAD"), Coalition on Inclusive Emergency Planning/Washington State Independent Living Council ("CIEP/WASILC"), and California Coalition of Agencies Serving the Deaf and Hard of Hearing, Inc. ("CCASDHH") (collectively "Consumer Groups"). The full document can be accessed below.

- March 2019 – Wireless RERC Ex Parte Addendum: FM Radio and RBDS-Based Emergency Alerting submitted to the FCC's *Hurricane Response* proceeding [PS Docket No. 17-344]. Available at <https://www.fcc.gov/ecfs/filing/1031175682930>.

The *FM Radio and RBDS-Based Emergency Alerting* research brief, and 2-page executive summary *Save Lives, Withstand Catastrophe, and Stimulate the Marketplace*, were submitted as Ex Parte comments replying to the FCC's *Hurricane Response Public Notice* [**PS Docket # 17-344**].^[1] The Public Notice sought input on the effectiveness of emergency communications technologies, procedures, and policies that were employed in response to hurricanes Harvey, Irma, Maria, and Nate and

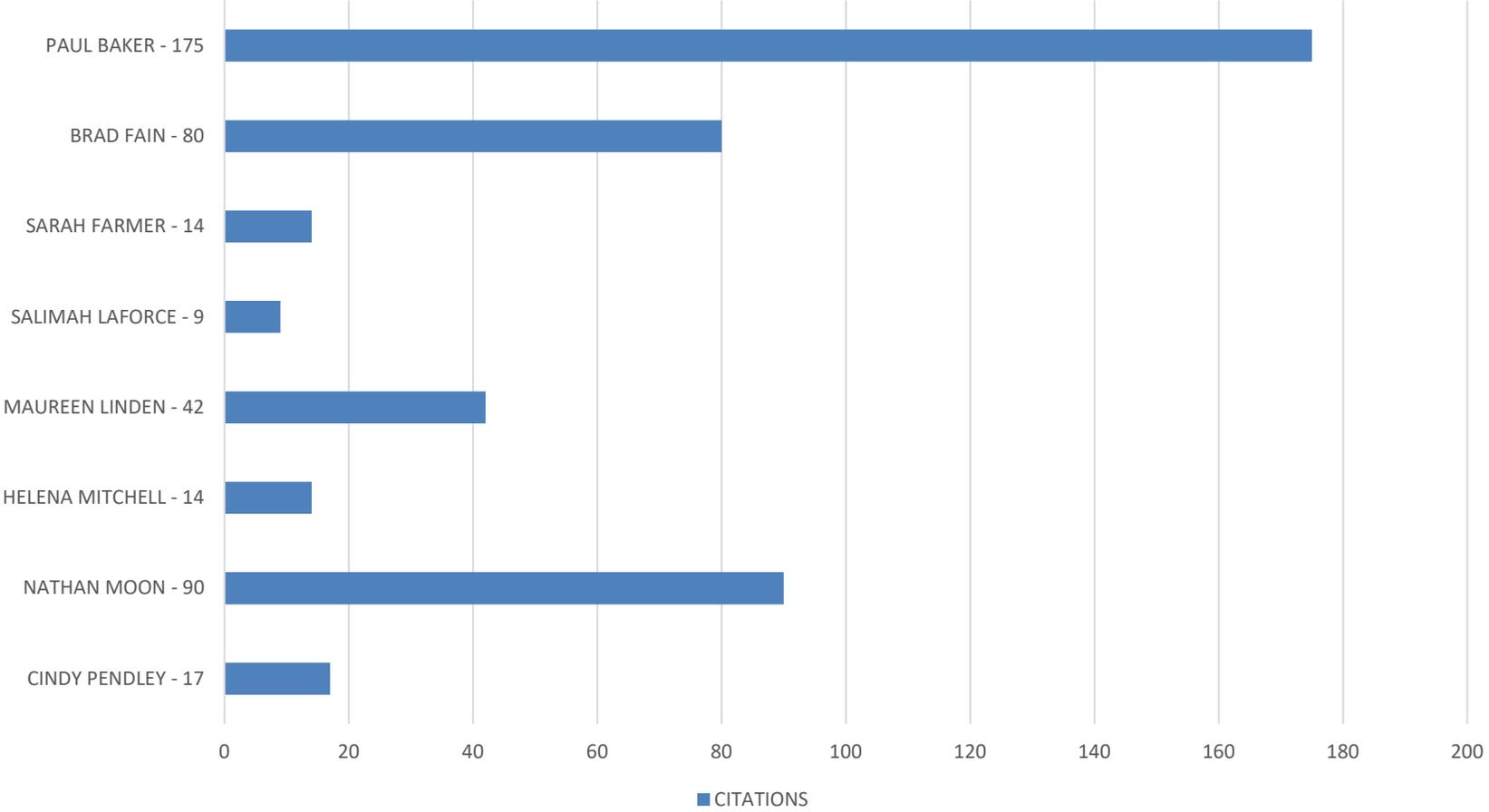
“additional information relevant to the 2017 hurricane season’s impact on communications generally.^[2]”

Dr. Helena Mitchell presented the comments at an Ex Parte meeting at the FCC. The meeting was attended by representatives from the Office of the Chairman, the Consumer and Governmental Affairs Bureau, and the Public Safety and Homeland Security Bureau. Their comments and questions are addressed in this addendum to our original filing. Specifically, the addendum provides additional contextual information on the status of WEA, FM Radio and the industry response to the 2017 Hurricane Season; the distinction between FM Radio and RBDS; how RBDS is different from captioning; and international use of FM Radio and RBDS.

- February 2019 - *Wireless RERC Observations of the First-ever Nationwide WEA Test* submitted to the FCC's Public Safety Support Center online portal. (Not retrievable from FCC portal). Content originally made publicly available via the Technology, Disability, and Policy Highlights newsletter at <http://www.wirelessrerc.gatech.edu/technology-and-disability-policy-highlights-fall-2018-issue-september-october>

On October 2, 2018, the Federal Emergency Management Agency (FEMA) conducted the first-ever nationwide test of the Wireless Emergency Alert (WEA) system concurrently with the Emergency Alert System’s fourth nationwide test. Wireless RERC and Georgia Tech personnel were asked to observe the test and share their experience. Though anecdotal, the observations were nonetheless insightful, in some cases confirming former empirical WEA research. Some colleagues mentioned a preference for receiving the WEA test without the title “Presidential Alert” and would like to have seen the notification titled along the lines of “National WEA Test.” Some noted that the alert did not remain on their phone so that they could find it. After unlocking their phone, the message disappeared. Others did not experience this. The TDPH story detailed Wireless RERC personnel, colleagues, and partners observations regarding accessibility and inconsistency across devices and networks. At the request of Debra Patkin, Attorney Advisor, Consumer and Governmental Affairs Bureau, Federal Communications Commission, the story was submitted to the above-referenced Public Safety Portal.

CITATIONS



ACADEMIC AND SERVICE ACTIVITIES

ACADEMIC ACTIVITIES (10)

Paul Baker (4)

Faculty Representative, Institute Research Faculty Promotions Committee
Georgia Institute of Technology, 2017- Present.

Faculty Representative, Provost's Advisory Committee on Academic Scheduling
Georgia Institute of Technology, 2017- Present.

Search Committee, Executive Director, Center for Advanced Communications
Policy (CACP), October – December 2018.

Faculty Reviewer for 2019 Ivan Allen College CRIDC Graduate Student Paper
Conference -- January 25, 2019.

Brad Fain (1)

Track Chair, Southern Gerontology Society, 2017-Present. Technology and Aging
Track.

Maureen Linden (1)

Member, College of Architecture, Research Faculty Promotions Committee, 2018

Helena Mitchell (1)

Search Committee, EVPR, Research Development Specialist, 2019.

Nathan Moon (2)

Chair and Elected Member, Georgia Tech Faculty Honors Committee (Standing
Committee of Georgia Tech Faculty Senate), 2014-2020.

Member, School of Public Policy (SPP) Five-Year School Chair Comprehensive
Review Committee, Ivan Allen College, 2018-2019.

Cindy Pendley (1)

Search Committee, Executive Director, Center for Advanced Communications
Policy (CACP), October – December 2018,

SERVICE ACTIVITIES (10)

Brad Fain (2)

MARTA Accessibility Committee – Design Subcommittee Member, 2017 – Present.

HFES National Office Task Force on Product Evaluations, Member, 2019 – Present.

Salimah LaForce (1)

Founding Member and Annual Donor, Soaring Owls Foundation, Inc. (SOFI): SOFI's purpose is to acquire and distribute financial and other resources to reach long-term goals for the enrichment of academic and other programs so that all Bolton Academy students achieve high levels of excellence. May 2013 – present.

Maureen Linden (1)

SBIR Phase II Review Panel, National Institute of Disability Independent Living and Rehabilitation Research (NIDILRR), August 2018.

Helena Mitchell (3)

National Task Force member, Council of State Governments, 2019- Present.

Member, Georgia Emergency Preparedness Coalition for Individuals with Disabilities and Older Adults, 2011 – present.

Advisory Board, Georgia Digital Summit, 2012 – Present.

Nathan Moon (3)

Reviewer, *Assistive Technology*, 2019.

Peer Review Panelist, NSF Improving Undergraduate STEM Education (IUSE), 2018.

Chair, Government Affairs Committee for RESNA, the Rehabilitation Engineering Society of North America, 2012-present. Appointment by RESNA Board of Directors and Executive Committee.

DISSEMINATION ACTIVITIES

Items in this section have not been counted in other categories.

MAJOR PUBLIC AND INDUSTRY ENGAGEMENT (26)

M-Enabling Summit Conference

CACP researcher Nathan W. Moon gave a presentation: "Use of 'Smart Home' Technologies by Individuals with Disabilities: Findings from Qualitative Research" at the 2019 M-Enabling Summit, which took place in Washington, DC, on Monday, June 17, 2019. Nathan was part of a panel on "IoT and Robots for Smart Homes," which included industry stakeholders. The presentation highlighted research findings from the Rehabilitation Engineering Research Center on Wireless Inclusive Technologies (Wireless RERC), which involved 11 focus groups on next-generation wireless devices. Both opportunities and facilitators, as well as barriers and limitations for smart homes were discussed, as well as other design considerations.

Syracuse University ATL Immersion Experience

Helena Mitchell hosted the annual SU Regional Dinner held on June 3-4, 2019 for students interested in graduate programs in the Atlanta metro area. As a result of this annual event, one student visited with faculty and students at the School of Public Policy to pursue interest in a graduate program.

Leadership Luncheon

CACP in collaboration with the Wireless RERC and the Center for Inclusive Design and Innovation (CIDI) hosted academics, practitioners, and service organizations at the second Leadership Luncheon, "Using Technology R&D to Effect Policy Change" on April 25, 2019.

Georgia Association of Higher Education Retiree Organizations Spring 2019 Meeting

CACP Executive Director Brad Fain was an invited speaker at the Spring 2019 meeting of the Georgia Association of Higher Education Retiree Organizations on Tuesday, April 16, 2019 at the GTRI Conference Center in Atlanta. He gave an overview of HomeLab, Georgia Tech's home-based research network focused on the development of innovative technologies useful for seniors.

Southern Gerontological Society

CACP was represented at the Southern Gerontological Conference April 9–13, 2019, in Miramar Beach, Florida. CACP Executive Director Brad Fain gave a presentation: "Mild Cognitive Impairment Empowerment Program," Paul M.A. Baker presented "Technologies of Inclusion, Enhanced Aging, and the Role of Policy," and Sarah Farmer presented "HomeLab: A Living Lab for Evaluations."

APPAM DC Regional Student Conference

Graduate Research Assistant Dara Bright presented a paper "The Impact of Education Policies on African Americans: The Case of the Higher Education Act from 2008-2016" at the APPAM DC Regional Student Conference held at American University in Washington, DC on March 29th-30th, 2019. The paper presented research analyzing the effects of politics and agenda setting on African American students' completion of a postsecondary degree.

CCC Content Generation for Workforce Training Workshop

Paul M.A. Baker (CACP) and Maribeth Gandy Coleman (Wireless RERC/IMTC) were panelists on the "High-level views of the challenges" panel part of Computing

Community Consortium (CCC) Content Generation for Workforce Training workshop held March 14-15, 2019 in Atlanta, Georgia. The visioning workshop was designed to discuss and articulate research visions for authoring rich media content for new workforce training and summarize the current state of the practice in this area. This workshop is in response to growing needs in the field and new research programs such as the National Science Foundation's Future of Work at the Human-Technology Frontier: Advancing Cognitive and Physical Capabilities initiative.

National Council of State Governments

Helena Mitchell was invited as a National Task Force member to help set the agenda for the Future of the Workforce, as wireless technologies and people with disabilities will be impacted changing economic conditions. The meeting was February 26-27, 2019 at Harvard University. The second meeting was held at the Council of State Governments National Headquarters in Lexington, Kentucky on April 11-12, 2019. Paul M.A. Baker, as alternate, attended the second meeting.

State of Science Conference

Nathan Moon and Fran Harris (CATEA, Georgia Tech) gave an invited presentation at State of the Science Conference for the University of New Hampshire's Rehabilitation Research and Training Center on Employment Policy and Measurement (EPM-RRTC). The conference was held at the National Academy of Sciences Building in Washington, DC, on February 12, 2019.

The presentation, titled "Contingent Employment of Individuals with Disabilities: Key Issues and Challenges," shared preliminary findings from Year 1 of their Field Initiated Project on Contingent Employment of Individuals with Disabilities (FIP-CE), which is funded by the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR).

Leadership Workshop – Amity University [in] London

Helena Mitchell was a speaker at the Amity University [in] London Leadership Workshop on The Impact of Shifting Technologies. She also served as referee for six Ph.D. student presentations at Amity University. The student presentations covered the future of technology and finance in industries such as ICT, innovation, peering resources and opportunities to advance adoption of R&D. This event took place on November 22-23, 2018.

Rehabilitation Engineering Society of Korea (RESKO) Conference

Maureen Linden participated in a Plenary Session panel discussion chaired by the World Health Organization at the RESKO Technical Conference in Goyang, Korea, on November 9, 2018. The panel discussed ways in which assistive technologies could be provided in less-resourced nations.

South Korea National Rehabilitation Center

Maureen Linden gave an invited lecture presenting on "Research Updates: Wireless Technologies and Accessible Education" on November 7, 2018 at South Korea's National Rehabilitation Center. She provided an overview of the Wireless

RERC and its mission and spoke about development projects on the Wireless RERC's Inclusive Emergency Lifelines Project focusing on the accessibility of the notification signals and messages of Wireless Emergency Alerts (WEAs). 25 researchers and clinicians from the National Rehabilitation Hospital attended.

Society of Research Administrators International (SRAI) Annual Meeting

Cindy Pendley represented CACP at SRAI's conference held Oct. 29-31, 2018 in Orlando, Florida. She attended relevant presentations that aligned strongly with CACP's mission. She connected with sponsors, foundations and researchers to build relationships for future research collaborations.

USG STEM Summit

Nathan W. Moon delivered two presentations at the 2018 University System of Georgia (USG) STEM Summit, held on October 23, 2018, at Georgia Southern University in Statesboro, Georgia. Nathan currently serves as an External Evaluator for the USG STEM Initiative, an effort involving 14 USG institutions to support science, technology, engineering and mathematics (STEM) success in Georgia's colleges and universities. He presented an update on the Year 2 evaluation at the STEM Initiative Grantees' Breakfast. He also delivered a brief talk on the USG STEM Initiative and its responsiveness to Georgia's needs in higher education. Nathan led a breakout session with Dr. Rachana Bhatt of the USG's Office of Research Policy & Analysis (RPA) on using data to measure the outcomes of STEM education activities.

NIDILRR's 40th Anniversary Celebration

Helena Mitchell, Nathan Moon and Salimah LaForce attended the 40th Anniversary Celebration of the National Institute on Disability, Independent Living and Rehabilitation Research (NIDILRR) in Washington, D.C. on October 18, 2018. At the request of NIDILRR, the Wireless RERC was asked to provide a poster which highlighted development projects that advance access to a dynamic, inclusive wireless ecosystem.

Diversities of Innovation III Workshop

Paul M.A. Baker was an invited presenter at the Specificities of Innovation and Appropriate Areas of Development: Competences and Competition on Labour Third Workshop, held in Berlin, Germany on October 15-18, 2018. The workshop was hosted by the International Political Science Association, the Hans Böckler Foundation, and the Academy of Social Science.

Hans Böckler Stiftung Graduate Seminar

Paul M.A. Baker was an invited speaker on "North American Perspectives on Geography, Workforce Innovation Policy, and the Future of Work" held at the Global Federation of Competitiveness Councils, Washington D.C., held September 27, 2018.

The Center for the Development and Application of Internet of Things Technologies

Paul M.A. Baker (January 2017 – Present) serves as co-chair of CDAIT's IoT Thought Leadership working group. He attended the October 2018 CDAIT Board meeting and co-moderated the working group sessions. The Thought Leadership group has

produced an IoT paper on "Driving New Modes of IoT-Facilitated Citizen/User Engagement" which released in July 2018.

Serving on the FCC/DAC for the Third Term

Helena Mitchell attended meetings held on July 26, 2018, October 3, 2018, plus four conference calls by the Disability Advisory Committee (DAC) at the FCC's headquarters in Washington, D.C. The DAC members discussed (1) the roles and responsibilities of the Committee and its members; (2) issues that the Committee will address; and (3) issues to be assigned to each subcommittee (emergency communications, relay/equipment distribution, technology transitions and video programming).

Georgia Tech Diversity Day

Helena Mitchell spoke at the Diversity Day event regarding R&D activities to provide greater technology options for people with disabilities. Nathan Moon and Maureen Linden provided outreach in the Wireless RERC booth and poster exhibit. The event was on October 1, 2018.

Georgia Digital Government Summit

Helena Mitchell, a member of the Digital Government Advisory Board, attended the annual Georgia Digital Government Summit on September 20-21, 2018 in Atlanta, Georgia. The Advisory Board members were tasked with creating an agenda that inspired state and local government organizations attending the summit and recommending the discussion topics for the 2018 Summit. The topics were 1) New Technology, 2) Innovation, 3) Collaboration. Three meetings are held annually to work on the program, speakers, etc.

Women in Cable (WICT SE)'s Tech It Out

Paul M.A. Baker, was a panelist on "Citizen-centric IoT" at the Women in Cable (WICT SE)'s Tech It Out event held August 9, 2018.

Auckland University of Technology, New Zealand, Centre for eHealth

Paul M.A. Baker was an invited speaker at the Auckland University of Technology, New Zealand, Centre for eHealth. He delivered a presentation: "Dimensions of Policy: Technology, Inclusivity, and Aging," on August 3, 2018.

International Political Science Conference

Paul M.A. Baker attended the 2018 International Political Science Conference (IPSA), in Brisbane, Australia, July 21-27, 2018; where he moderated several panel sessions and delivered a presentation: "Technology, the Changing Nature of Work, and the Impact of Employer Policies on Employment for People with Disabilities." During the conference, he also was elected Chair of Science and Politics Research Council (RC11) for IPSA.

Rehabilitation Engineering and Assistive Technology Society of North American (RESNA)

Maureen Linden attended the RESNA annual conference held in Washington, D.C. from July 11-14, 2018. She networked with potential collaborators discussing research of the Wireless RERC. In addition, CACP researcher Nathan Moon also attended RESNA. Nathan Moon completed his two-year term as a member of the Board of Directors, for

which he received a certificate of appreciation. He also completed his service as the Chair of the Government Affairs Committee (GAC), which he has led since 2012. Nathan will continue on the GAC as a member of the committee to support the incoming chair.

National Institute on Disability, Independent Living & Rehabilitation Research

Helena Mitchell presented at the 10th annual Directors meeting July 11-12, 2018 in Washington D.C. She provided an overview on advancements in wireless technologies since 2001 and how the Wireless RERC has made an impact to improve life for people with disabilities using this technology.

Social Media

CACP:

- Accessible Technology Policy Group (ATPG), established in 2009 currently has 902 members. ATPG is focused on policy development and exchange of information related to e-accessibility and inclusive design.
- The CACP Facebook page has 202 likes and 215 followers. The page was designed to share CACP news and events, as well as post relevant technology policy news items with a human interest appeal.
- The CACP Twitter feed (@CACPGT) has 1170 followers. The CACP Twitter feed's purpose is to share CACP news and events, as well as post relevant technology and policy news items.
- Salimah LaForce maintains the Facebook page for the Georgia Emergency Preparedness Coalition for People with Disabilities and Older Adults (GEPC). The page has 456 likes and 494 followers. GEPC is a key component in statewide preparedness efforts and consists of stake-holder agencies throughout Georgia. The page was designed to share relevant local, state, and national news, initiatives, and actionable information.
- Paul M.A. Baker provided social media strategic assistance to the TechSAge RERC between March & June 2019. Assistance included platform media strategy, development of a LinkedIn group, and an increase of their twitter account followers by approximately 30%.

Currently, CACP manages two websites, the main CACP website <https://cacp.gatech.edu> and the Wireless RERC website, a project of CACP <http://www.wirelessrerc.gatech.edu/>. Additionally, CACP manages five social media channels:

- Twitter, currently shared with the Wireless RERC [@CACPGT_wRERC](https://twitter.com/CACPGT_wRERC).
- LinkedIn - <https://www.linkedin.com/in/cacpatgatech/> and through the LinkedIn Accessible Technology Policy Group (ATPG) <https://www.linkedin.com/groups/1854667/>.
- Facebook page for CACP - <https://www.facebook.com/CACPGT/> and the Wireless RERC - <https://www.facebook.com/WirelessRERC/>.

Status: LinkedIn Company Presence - 181 connections, ATPG – 901 connections, Facebook – 398 followers (Wireless RERC) and 215 Follows (CACP), Twitter – 1176 followers, and 5722 tweets. The @CACPGT_wRERC account has seen the most growth and engagement, by example, Tweet impressions for July 2019 were 9,247, compared to July 2018 at 5,596.

A Google search of “Center for Advanced Communications Policy” returns 4,480 results, “Wireless RERC,” 5610. For comparison, “Center for International Strategy, Technology, and Policy” returned 4480 results, “Center for 21st Century Universities,” 5120 results, “Ivan Allen College” returns 56,100 results and the “School of Public Policy + “Georgia Tech,” 129,000 results.

The primary objective of CACP's social media plan is to continue to increase the growth of 1) General engagement and awareness of the target audience with respect to CACP's research, development, and policy portfolios, 2) Utilization of CACP work products, 3) Increase the awareness of the activities of CACP and the Wireless RERC individually and as re-enforcing entities, 4) Continue to build CACP's brand as a recognized expert on innovative technology adoption, accessibility and usability evaluation, disability access policy, industry engagement, and sector research studies, 5) Leverage and reinforce social media activities across channels and platforms. Additionally, we are planning on separating the CACP and Wireless RERC branding on Twitter by using a new account - @CACPGT_Innovate for CACP main activities, and continue using the @CACPGT_wRERC twitter account for Wireless RERC activities.

Individual:

- Paul M.A. Baker has an IAC website at <http://paulmbaker.gatech.edu>, maintains a LinkedIn profile with 2860 connections, and a Twitter feed (@paulmbaker) with 1852 followers. He helps maintain 6 additional social media accounts for several organizations, including the Emory Alumni Group with nearly 23,700 members.
- Salimah LaForce maintains a LinkedIn profile with 630 connections and 47 group memberships, including the Association for Public Policy Analysis and Management, Behavioralizing Policy; CDC Center for Preparedness and Response (CPR); Center for Policy on Emerging Technologies; Science, Technology & Innovation Policy; Mobile and Tablet Accessibility Forum; Mobile Future; Association of Public Policy Analysis and Management; Digital Georgia, Future Social Media; Public Warning & Mass Notification Group, and many other topical groups relevant to the CACP mission.

SUMMATIVE COLLABORATIONS & MEETINGS

Paul M. A. Baker

Collaborations and meetings with **the Academy:** Indiana University - Perdue University, Indianapolis (IUPUI), Emory University, Georgia State University, Kennesaw State University, George Mason University, University of Toronto,

University of Ottawa, Complutense University of Madrid, National University of Ireland, Galway, Waterford Institute of Technology, Friedrich Schiller University Jena, Geneva Business School, Tsinghua University, Beijing, China, Beijing University, University of Sydney, Auckland University of Technology.

Meetings with **government agencies:** University System of Georgia, National Science Foundation, Veterans Administration, National Council on Disability, Office of Disability Employment Policy - US Department of Labor, US Department of Education, United States Access Board, Administration for Community Living, CDC, US Department of Health and Human Services, Ministerio de Obras Públicas y Transportes (Costa Rica), Research Foundation – Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO), Province of Ontario, Canada, Elections Canada, Technical College System of Georgia. German Federal Ministry of Labor and Social Affairs, U.S. State Council of Governments.

Collaborations and/or meetings with **disability and health organizations:** RERC on Aging, Center for Leadership in Disability, Children's Healthcare of Atlanta, Georgia Department of Economic Development, Rehabilitation Engineering and Assistive Technology Society of North America, USBLN, RERC on Aging (TechSAge), Smith Kettlewell Institute.

Collaborations and/or meetings with **industry:** Assistive Technology Industry Association, CTA Foundation, Comcast, AIG, AT&T, Microsoft, Friedrich Ebert Stiftung (International Trade Union Policy Foundation), Booze Allen Hamilton, MailChimp, Sharecare, ThyssenKrupp, American Institutes for Research, SmartMatic, Facebook, Cox, LinkedIn, Corning, industriAll Europe International Trade Union House (ITUH) (Brussels), Industriegewerkschaft Bergbau, Chemie, Energie (Germany), Global Federation of Competitiveness Councils, AFL-CIO.

100 outreach meetings, collaborative discussions not reported already. Meetings generally involved discussions with potential or existing collaborators; grant opportunities; research on workforce development, policy on information and communication technology, higher education and university-based innovation, and healthcare and technology policy.

Brad Fain

Collaborations and/or meetings with **the Academy:** Emory, University of Florida, University of Georgia, University of Florida, and Georgia State University.

Meetings with **public and government agencies:** F-16 Program Office, Air National Guard, National Institute of Standards and Technology (NIST); Department of Homeland Security Science & Technology Directorate; National Institute for Disability Independent Living and Rehabilitation Research (NIDILRR)

Collaborations and/or meetings with **disability and non-governmental organizations**: Dementia Action Alliance, Eden Alternative, Arthritis Australia.

Collaborations and/or meetings with **industry**: Amazon, Yahoo, Pfizer, Dupont, Ricoh, Fiskars, NorthWestern Communities, Thrive, Comcast, Zimmer Biomet, Anthem, WellStar, Children's Healthcare of Atlanta, and Smartmatic.

98 outreach meetings, collaborative discussions and technical assistance not reported already: Advisement to government agencies and industry on human factors, accessibility and usability; Letters of recommendation / support to external faculty; External student advisement and research assistance; Faculty and student interviews; Discussions on research and development collaborations with government and industry partners.

Salimah LaForce

Collaborations and meetings with **the Academy**: Emory University, Temple University, University at Buffalo - The State University of New York, Carnegie Mellon University, University of Colorado-Denver, University at Albany-SUNY, University of Nebraska - Omaha, Georgia State University, University of Minnesota, University of Texas-Arlington.

Meetings with the **public and government entities**: FEMA – Integrated Public Alert & Warning System; Federal Communications Commission (Office of Disability Rights, Wireless Technology Bureau); Department of Homeland Security Science & Technology Directorate; National Emergency Number Association (NENA); Washington State Independent Living Council ; Veterans Affairs, Alabama Department of Rehabilitation Services; Colorado Public Utilities Commission; Florida Alliance for Assistive Services and Technology (FAAST); Georgia Department of Public Health; Georgia Emergency Management Agency (GEMA); State of Georgia ADA Coordinator's Office; Missouri Assistive Technology, Massachusetts Rehabilitation Commission; Missouri Assistive Technology; North Carolina Department of Health and Human Services; DeKalb Emergency Management Agency.

Collaborations and/or meetings with **disability and non-governmental organizations**: Dicapta, Partnership for Employment and Technology (PEAT), Georgia Radio Reading Service (GaRRS), Georgia Center for Diabetes Translation Research, UAB-Lakeshore Research Collaborative, Center for the Visually Impaired, Georgia Emergency Interpreting Services Network, Georgia Center for the Deaf and Hard of Hearing, TransCen, Inc., Youth Employment Solutions (Yes!) Center

Collaborations and/or meetings with **Industry**: Consumer Technology Association (CTA), CTIA – The Wireless Association; Deaf Link, Inc.; AT&T, Comcast, Wireless Insiders Network, Galain Solutions; Intrado, Inc., StudyFind

84 outreach meetings, collaborative discussions and technical assistance not reported already. Meetings included discussions on possible collaborations (presentations and publications); grant opportunities; public safety issues for people with disabilities; vulnerable populations and wireless technology intersections; and topics regarding national public policy agendas in advanced technologies; recruitment efforts for research; responses to inquiries via Facebook and Twitter accounts, responses to the TDPH readers.

Maureen Linden

Collaborations and/or meetings with **the Academy**: University of Buffalo, University of Georgia, Georgia State University, Georgetown University, George Washington University, the University of Nebraska, and the University of Texas - Arlington.

Meetings with **public and government agencies**: Federal Emergency Management Agency (FEMA) – Integrated Public Alert & Warning System; Federal Communications Commission (Office of Disability Rights, Wireless Technology Bureau); Georgia Vocational Rehabilitation Agency (GVRA); Georgia State Board of Pardons and Paroles; Department of Homeland Security Science & Technology Directorate; National Institute for Disability Independent Living and Rehabilitation Research (NIDILRR), National Science Foundation (NSF), Administration on Community Living, University System of Georgia (USG); and the US Department of Labor, Office of Disability Employment Policy.

Collaborations and/or meetings with **disability and non-governmental organizations**: Association of University Centers on Disabilities, Partnership for Inclusive Disaster Strategies, Assistive Technology Act Technical Assistance and Training Center, EasterSeals CrossRoads – Indiana Assistive Technology Act (INDATA) Project, Assistive Technology Industry Association, Partnership for Employment and Technology (PEAT), Viscardi Center, RESNA, Shepherd Center, Center for the Visually Impaired, RERC on Technology Transfer (T2RERC), RERC on Aging (TechSAge).

Collaborations and/or meetings with **industry**: Amazon, Thrust Interactive, Inc.; Flex, LTD.; Herman Miller; LateShift, LLC, Loeb Enterprises Venture; Society for Human Resource Management (SHRM); NoBarriersCommunication (NoBaComm); and Deaf Link, Inc.

85 outreach meetings, collaborative discussions and technical assistance not reported already: Advisement to government agencies on wireless emergency communications; Letters of recommendation / support to external faculty; External students advisement and research assistance; Professional Leadership Activities including provision of budgetary consultation, governance, bylaws development, and agency growth; Consultation on Grants Management issues; Discussions on research and development collaborations with academia and industry partners.

Helena Mitchell

Collaborations and meetings with **the Academy**: Georgia State University, University of Texas at Arlington, Syracuse University, University of Nebraska, Omaha; Amity University (London), State University of New York-Albany, American College of Greece, and Gallaudet University.

Meetings with **government agencies**: U.S. Department of Commerce, National Telecommunications and Information Administration; Department of Homeland Security, Federal Emergency Management Agency (FEMA), IPAWS, Federal Communications Commission and various Bureaus; U.S. Access Board; National Institute for Disability, Independent Living, and Rehabilitation Research (NIDILRR), Administration for Community Living, HHS.

Collaborations and/or meetings with **disability related organizations**: DeafLink; Shepherd Center; RERC on Aging (TechSage); RERC on Blind and Low Vision, and RERC on Assistive Communications Technology.

Collaborations and/or meetings with **industry**: Blackberry Limited; CTIA-the Wireless Association; Nominet and Nominet Trust Foundation (UK); AT&T; NENA (National Emergency Number Association); M-Enabling Planning Committee.

84 outreach meetings, collaborative discussions not reported already. Meetings included external and internal discussions on possible collaborations; grant opportunities; public safety issues for people with disabilities; vulnerable populations and wireless technology intersections; and topics regarding national public policy agendas in advanced technologies.

Nathan Moon

Collaborations and meetings with **the Academy**: University of Georgia, Georgia State University, Columbus State University, University of West Georgia, Georgia College & State University, Georgia Southern University, Georgia Gwinnett College, Middle Georgia State College, California State University, University of Texas at Arlington, University of Illinois-Chicago (UIC), State University of New York at Stony Brook (SUNY-Stony Brook), University of Washington, University of New Hampshire.

Meetings with **public and government agencies**: the National Institute for Disability, Independent Living, and Rehabilitation Research (NIDILRR), National Science Foundation (NSF), U.S. Access Board, U.S. Department of Health and Human Services (Centers for Medicare Services), National Council on Disability (NCD), and Office of Disability Employment Policy (ODEP), University System of Georgia (USG).

Collaborations and/or meetings with **disability related organizations**: RESNA, Consortium for Citizens with Disabilities (CCD), Disability and Rehabilitation Research Coalition (DRRC), U.S. International Council on Disabilities (USICD),

Association of Assistive Technology Act Programs (ATAP), Assistive Technology Industry Association (ATIA), Partnership for Employment and Accessible Technology (PEAT), Institute on Disability at the University of New Hampshire and Easter Seals Crossroads, Indiana.

Collaborations and/or meetings with **industry**: Microsoft Accessibility, Facebook and Amazon.

90 outreach meetings, collaborative discussions and technical assistance not reported already: Student letters of recommendation, faculty letters of recommendation/support; external student advisement and research assistance; discussions on possible collaborations and grant opportunities. Contacts occurred with both external and internal.

MEMBERSHIPS, BOARD MEMBERSHIPS AND NATIONAL RECOGNITION

Paul M.A. Baker (11)

Board of Trustees, of the Friends Publishing Corporation, Philadelphia, PA, 2010 – 2019.

Chair, Research Council 11 (Politics and Science), International Political Science Association (IPSA), July 2018 – present.

Program Committee Member: CSEDU, the International Conference on Computer Supported Education, 2014 – present.

Member, Disability and Rehabilitation Research Coalition (DRRC), 2009 – present.

Member, American Political Science Association, 1997 - Present.

Member, Association of Public Policy Analysis and Management, 2004 – present.

Member, Editorial Board, Assistive Technology Journal, 2006 – present.

Member, Editorial Board, Journal of Information Technology & Politics, 2005 – present.

Member, Editorial Board, International Journal of Work Innovation, 2012– present.

Member, Editorial Board, International Journal of E-Adoption (IJE), 2009 – present.

Member, Editorial Board, International Journal of E-Planning Research (IJEPR), 2012– present.

Member, Editorial Board, Journal of Disability Policy Studies, 2010– present.

Brad Fain (5)

Board Member, Mobility Worldwide 2016 – 2019.

Board Member, National Aging in Place Council, 2016 – 2019.

Full Member, MARTA Accessibility Committee, 2015 – present.

Member, FirstNet User Interface Working Group, 2016 – 2017.

Member, Human Factors and Ergonomics Society, 1992 – present.

Salimah LaForce (4)

Member, National Emergency Number Association (NENA)
Emergency Notifications Working Group – April 2018 – present
Accessibility Committee – September 2017 – present.

Member, Consumer Technology Association - Working Group 19: Recommended Practice for Audio Accessibility of Audiovisual Device, August 2015 – present.

Member, GA Emergency Preparedness Coalition for Individuals with Disabilities and Older Adults, 2011 – present. Outreach Committee – August 2013 – present.

Chair, Southeast Regional Group, USA Section, BCS – The Chartered Institute for IT, November 2015 – November 2017.

Maureen Linden (6)

Board of Directors, Douglas County Animal Services Advisory Board, 2015 – 2019.

RESNA President-Elect, August 2018 – Present.

RESNA Treasurer, Executive Committee, 2016-2018 (appointed).

RESNA Board of Directors, 2013 – 2018 (elected).

RESNA Membership Committee 2013 – 2014, 2016 – 2018.

RESNA Finance Committee 2016 – 2018.

Janet McKinney (1)

Georgia Tech Event Coordinators Network, 2018-Present.

Helena Mitchell (6)

The Board of Regents re-appointed Dr. Helena Mitchell in 2019 as Regents' Researcher Emeritus. A Regents' Researcher represents the highest status bestowed by the Board of Regents. It is in recognition of substantial, significant and an ongoing record of scholarly achievement that has earned high national esteem over a sustained period.

Regional Council Member, Syracuse University, 2018 – Present.

Member of the Federal Communications Commission, Disability Advisory Committee (DAC). Also member of the DAC Wireless Emergency Alerts subcommittee. Reappointed 2017 – 2019.

IAC Million Dollar Club, 2015, 2016, 2017, 2018, 2019.

Member, Broadcast Education Association, Judge, Law & Policy Division, odd years from 2009 – Present.

Board of Trustees, American College of Greece, 2018 – Present.

Nathan W. Moon (4)

Member, Board of Directors of RESNA, The Rehabilitation Engineering and Assistive Technology Society of North America (2016-2018); Chair, Government Affairs Committee of RESNA (2012-present); Member, Governance Committee, 2014 – present.

Member, Disability and Rehabilitation Research Coalition (DRRC), 2013 – present.

Member, American Evaluation Association, 2010 – present.

IAC Million Dollar Club, Level 1, 2018.

Cindy Pendley (1)

Member, International Society of Research Administrators, 2018 - present.

SPONSORED FUNDING

Active (18)

Paul M.A. Baker, Ph.D. and Kaye Husbands Fealing, Co-PIs, National Science Foundation. "Collaborative Research: Science Policy Research Report: A Research Agenda for Science of Broadening Participation (SoBP) 2.0: STEM Employment of People with Disabilities." **\$27,001** for 6/1/2017– 5/31/2019. **\$13,501** for 6/1/2018 – 5/31/2019.

Paul M.A. Baker, Ph.D., Cox Communications/Atlanta, GA. "Cox In Home Study." **\$10,621** for 9/1/2018 – 10/31/2018.

Paul M. A. Baker, Ph.D., Smartmatic/Boca Raton, FLA. "Voting Accessibility Evaluation". **\$80,091** for 7/1/2018 - 3/2/19.

Brad Fain, Ph.D., NIST - PSCR / Department of Commerce – ARTEMIS: FirstNet TestBed. CACP is a collaborator and funds will be leveraged for Wireless RERC emergency communication projects. **\$1,270,000** for 5/31/2018 - 5/30/2021. **\$423,333** for 5/31/2018 – 6/1/2019.

Brad Fain, Ph.D., NIST - PSCR / Department of Commerce – ARTEMIS QUARC: FirstNet TestBed. **\$1,290,538** for 5/31/2018 - 5/30/2021. **\$430,179** for 5/31/2018 – 6/1/2019.

Brad Fain, Ph.D., Smartmatic International Corporation – Voting Accessibility. **\$1,527,502** for 2/6/2016 to 3/2/2019. **\$509,167** for 2/6/2018 – 3/2/2019.

Brad Fain, Ph.D., Ricoh USA – Ricoh Accessibility and Usability. **\$762,923.31** for 6/15/2010 to 4/31/2019. **\$84,769** for 6/15/2018 – 4/31/2019.

Brad Fain, Ph.D., Fiskars – Fiskars Ergonomic Mapping. **\$319,000** for 3/28/14 to 4/28/2019. **\$50,650** for 3/28/2018 – 4/28/2019.

Brad Fain, Ph.D., Cox Communications – HomeLab Evaluations. **\$202,600** for 4/1/2017 to 8/31/2019. **\$101,300** for 8/31/2018 – 8/31/2019.

Brad Fain, Ph.D., DoD F-16 SPO – F-16 Block 30 Human Factors Study. **\$650,000** for 5/31/2018 to 5/30/2019.

Helena Mitchell, Ph.D., PI, Rehabilitation Engineering Research Center on Wireless Inclusive Technologies grant from The National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR), Administration for Community Living (ACL), Department of Health and Human Services. Competitive grant program **\$4,625,000**, 09/30/2016 – 09/29/2021. **\$924,994** for fiscal year 10/01/2018 – 09/30/2019.

Nathan W. Moon, Ph.D., PI, Field Initiated Project (Research) on Contingent Employment of Individuals with Disabilities (FIP-CE), National Institute on Disability and Rehabilitation Research (NIDILRR), **\$595,000**, 36 months, 9/30/2017 – 9/29/2020. **\$198,376** for fiscal year 10/1/18 – 9/30/2019.

Nathan W. Moon, Ph.D., PI, Specialized Testing Services Agreement, Facebook, Inc., **\$30,142**, 3 months, 12/1/2017 to 2/28/2018.

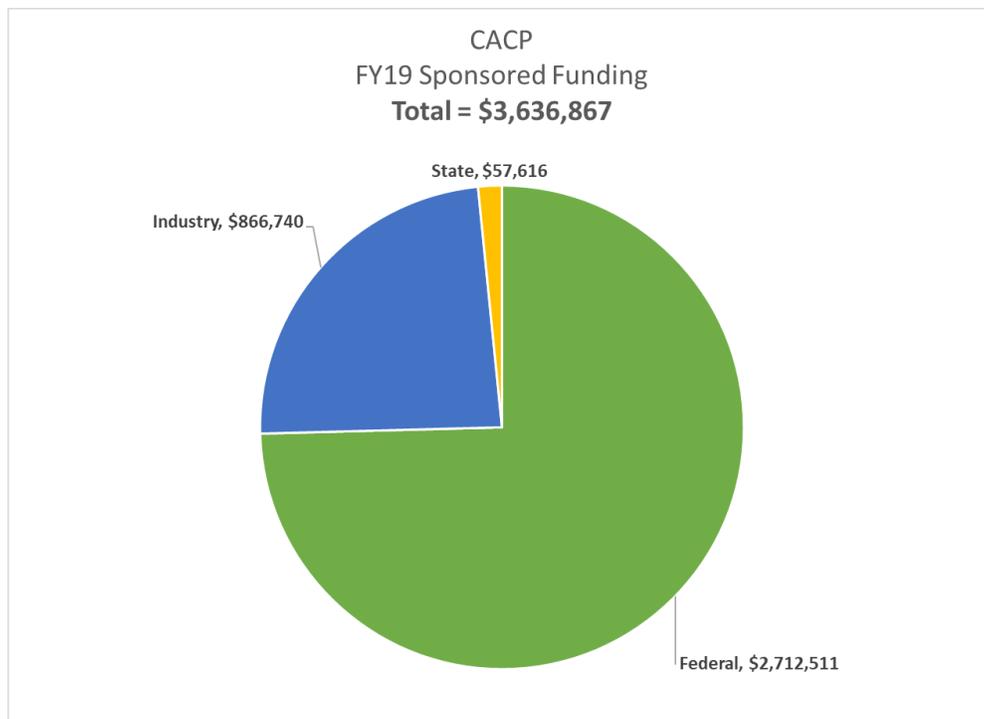
Nathan Moon, Ph.D., Co-Investigator, Disability and Rehabilitation Research Project (DRRP) on Universal Design Practices to Enhance Work Outcomes, National Institute on Disability and Rehabilitation Research (NIDILRR), 60 months, 5/1/15 – 9/29/19, **\$10,070** for 10/1/18 – 9/29/2019.

Nathan Moon, Ph.D., Consultant to Georgia Gwinnett College (External Evaluator), Transformative Institutional Model for Undergraduate STEM Education: Building STEM Competencies through a Four-Year Research-Based Curriculum, National Science Foundation, **\$17,800** for 10/1/2017 – 9/30/2018.

Nathan Moon, Ph.D., Co-PI, Collaborative Research: STEM Accessibility Alliance (GSAA), National Science Foundation, **\$44,258** for 7/1/18 – 6/30/2019.

Nathan Moon, Ph.D., PI, Board of Regents. "Service Level Agreement," (First-Year Seminar, Complete College Georgia (CCG), **\$22,000** for 7/1/18 – 6/30/2019.

Nathan Moon, Ph.D., PI, Board of Regents. "Service Level Agreement," (University System of Georgia (USG) STEM III Initiative) **\$35,616** for 7/1/18 – 6/30/2019.



Georgia Tech Collaborative Efforts

GEORGIA TECH/CACP AFFILIATES

Faculty/Research Staff (on CACP sponsored grants)

- Carrie Bruce, College of Design (COD)
- Young-Mi Choi, College of Design (COD)

- Maribeth Gandy Coleman, Interactive Media Technology Center (IMTC)
- Scott Gilleland, Interactive Media Technology Center (IMTC)
- Patricia Griffiths, College of Design (CoD)
- Harley Hamilton, College of Computing
- Fran Harris, College of Design (CoD)
- Brian Jones, Interactive Media Technology Center (IMTC)
- Frank Lucia, Consultant
- Liz Persaud, Tools for Life
- Carolyn Phillips, Tools for Life
- Peter Presti, Interactive Media Technology Center (IMTC)
- Benjamin Thompson, Interactive Media Technology Center (IMTC)
- Bruce Walker, Psychology
- Jeffrey Wilson, Interactive Media Technology Center (IMTC)
- Clint Zeagler, Interactive Media Technology Center (IMTC)

PEOPLE INVOLVED IN CENTER ACTIVITIES

Faculty/Research Staff/Off-site Personnel

- DeeDee Bennett, University of Nebraska-Omaha
- Richard Catrambone, School of Psychology
- Sara Endicott, College of Design (COD)
- Chris Langston, Facebook
- Jessica Pater, Georgia Tech Research Institute (GTRI)
- Joel Odom, GTRI
- Joiava Phillpott, Cox Communications
- Jon Sanford, College of Design (COD)
- Robert Todd, University System of Georgia (USG)

INSTITUTIONS (on CACP sponsored grants)

- John Bricout, University of Minnesota-Twin Cities
- Eliseo Jimenez, Georgia State University
- Ben Lippincott, Shepherd Center (75% paid by CACP)
- University of Texas – Arlington
- Smith Kettlewell Institute

GOALS 2017 – 2022

In 2017 CACP began a strategic expansion to enhance its current work portfolio by 1) building teams of new collaborators to extend CACP's reach into new markets by participating in our multiple grants, contracts, and service level agreements, and 2) exploring and developing new sponsors that leverage CACP policy and research strengths with an objective of increasing industry and other funding opportunities.

Below is the summary of the strategic plan for 2017 – 2022:

STRATEGIC PLAN SUMMARY

Framing the Strategic Plan

CACP's mission is to influence the development, implementation and adoption of cutting-edge, next generation social impact technologies domestically and internationally by conducting objective, evidence-based research. We develop social, economic and policy-oriented perspectives on digital technologies at the intersection of society, inclusion and policy that address client needs. Our research provides the foundation for the assessment and analysis of issues that inform our contribution to federal rulemaking, and input into public sector policy-making process.

Key Focus: Developing collaborative partnerships, both internal to Georgia Tech as well as with external academic and industry associates. A key strategy for expanding CACP's breadth and depth of reach is through collaboration on grants and publications. Going forward, CACP will continue to develop expertise and a research agenda built on three areas of focus:

- 1) Basic and fundamental social impact research: informs areas related to digital communications and platforms and, more broadly, connectivity; higher education policy and evaluation; STEM (science, technology, engineering, and mathematics) education, including access for students with disabilities, inclusive technology driven workforce development and employment; digitally facilitated communications modes such as social media and online participatory platforms, and the cultural impact of technology shifts;
- 2) Applied and industry-centric research and assessment: initiatives include usability and human factors assessment, use of technology to facilitate independence for older adults, accessible and inclusive technology designed for people with functional limitations; enhanced, accessible, emergency communications that affect people with disabilities, the general public, as well as first responders and other stakeholders;
- 3) Policy related initiatives: application of social science to generate assessments, analyses and other specialized products to provide insights to advise policy-makers, industry and other thought leaders; drawing on CACP's unique perspective on information and communication technologies.

Implementation approaches:

- 1) Identify, and target growth opportunities in the three focal areas. This includes both as project leads, as well as serving as key partners with other entities.
- 2) Reinforce awareness of potential partners of the value of CACP's research-based perspective that goes beyond a focus on "disability" to actively engage in understanding and designing inclusive solutions to technology related barriers, as well as identifying technological opportunities.
- 3) Leverage existing CACP work products to increase external awareness of the range of CACP activities. Commit to dissemination of new research and

products within 6 months of completion. This includes traditional academic research outlets, social media platforms, and more general industry and business outreach efforts.

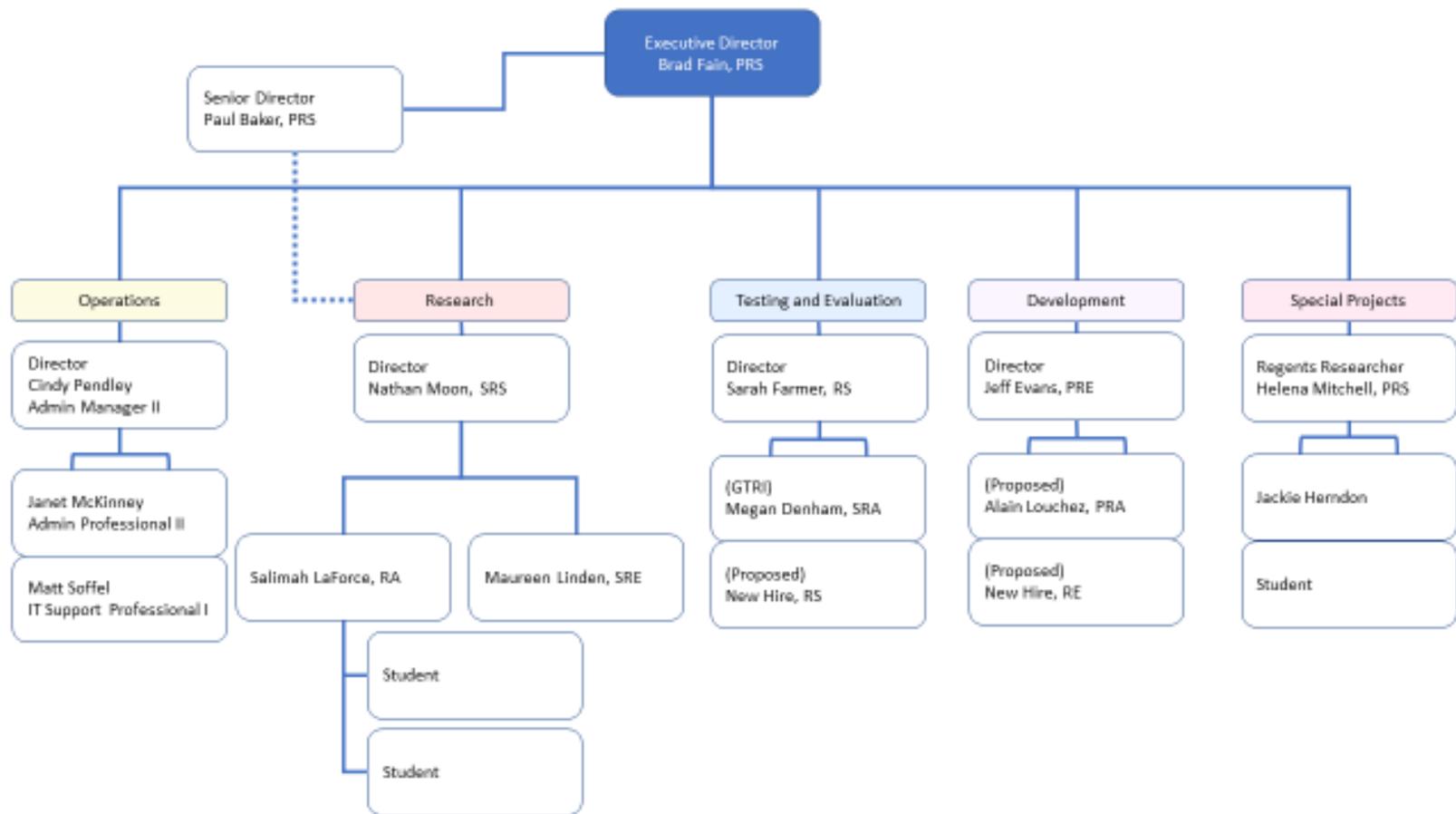
- 4) Extend the range of CACP thought leadership. This includes broader applications of emergency communications, and alerting, building support for addressing the needs of FirstNet first responder technological solutions, innovative application of technologies to enhance usability and accessibility; policy approaches to increase social engagement and participation, and exploration of the role of technology in supporting inclusive workforce development and the future of work.

* * *

CACP aims to continue hiring more graduate and undergrad research assistants, as well as faculty researchers and engineers. CACP will also expand by encouraging joint appointments with research faculty at GTRI interested in contributing to social impact research. In addition, CACP has become more aggressive in its expansion of sponsored and industry research into themes that leverage innovation; advanced R&D within the ICT and IoT arenas; educational innovative collaborations including STEM; developing of cutting edge Next-Generation technology; external partnerships with industry; and collaborations with companies creating new tools that focus on service to vulnerable populations.

CACP Organizational Chart 2019-2020

CACP is organized around five functional departments: Operations, Research, Training and Evaluation, Development, and Special Projects. Operations includes all financial and administrative activities associated with the execution of CACP business activities. Research, Testing and Evaluation, and Development departments focus on the development and management of research portfolios in their respective areas. Special Projects includes the management of the Wireless RERC and the development of large, cross-disciplinary research programs. The organizational chart does not imply a hierarchical performance review structure. Performance reviews will be the responsibility of the executive director with the possible exception of the delegation of performance reviews in the Operations department. Paul Baker will serve as the alternative CACP representative to campus and the delegate approver for the research department when the executive director is unavailable.



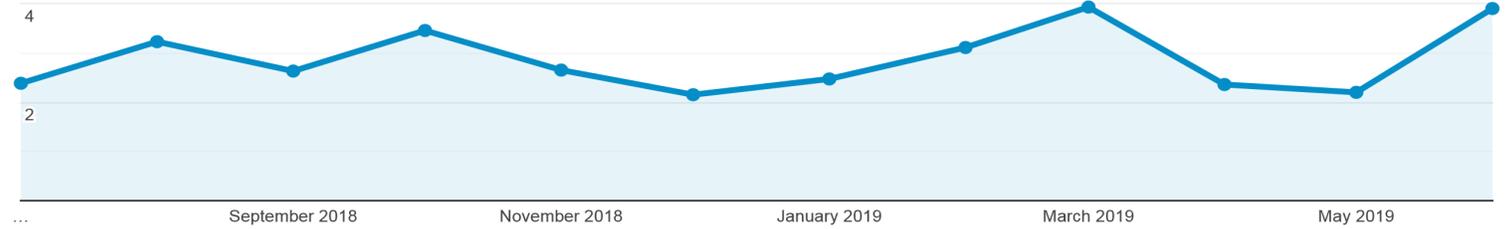
Audience Overview

Jul 1, 2018 - Jun 30, 2019

All Users
100.00% Users

Overview

Pages / Session



Users
2,927

New Users
2,889

Sessions
4,923

Number of Sessions per User
1.68

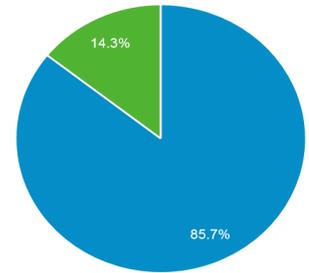
Pageviews
14,458

Pages / Session
2.94

Avg. Session Duration
00:02:24

Bounce Rate
51.21%

New Visitor Returning Visitor



Language	Users	% Users
1. en-us	2,548	87.05%
2. fr	165	5.64%
3. en-gb	75	2.56%
4. c	20	0.68%
5. zh-cn	18	0.61%
6. fr-fr	14	0.48%
7. ko-kr	12	0.41%
8. en-au	11	0.38%
9. en	10	0.34%
10. de-de	8	0.27%