Annual Report


Submitted by

Helena Mitchell, Ph.D.
Executive Director

The Center for Advanced Communications Policy (CACP) focuses on key issues that influence the development, implementation and adoption of cutting-edge, advanced communications technologies. CACP work includes assessment of policy issues and production of regulatory filings, identification of future options for innovation, and articulation of a clearer vision of the ever changing technology landscape. Research areas include wireless communications and platforms; technology use by vulnerable populations including people with disabilities; emergency alerts and communications; higher education policy and evaluation; STEM (science, technology, engineering, and mathematics) education; communications modes such as social media; and the impact of technology shifts. CACP collaborates with government, industry and academia at the local, state, national and international levels. In addition, CACP has participated in Ivan Allen college activities through teaching, advising and contributing to the goals of the Georgia Tech Strategic Plan Initiative Six to “expand and enhance the current programs dealing with technology and policy.” CACP has and continues to provide funding to faculty and students at Georgia Tech.

Within this document CACP has encapsulated highlights of the past year’s efforts from our researchers and technical staff. The report is divided into six areas: Instruction and Appointments (pg. 2); Research and Creative Scholarship (pg. 3); Academic, Community Activities & Presentations (pg. 8); Sponsored Funding (pg. 20); Memberships, Board Memberships & National Recognition (pg. 21); CACP Website Analytics (pg. 26).

This year there were more than 51 publishing activities; 28 conference presentations; active participation on 12 academic committees; 6 student assistantships or advisory roles by faculty of CACP; 47 memberships on boards/committees or national recognition; and over 26,500 website hits. Sponsored research was funded at $1,867,857.00. CACP staff/faculty exceeded 536 meetings with external/internal organizations and/or their representatives.
INSTRUCTION & APPOINTMENTS

Helena Mitchell, Ph.D.:

Regents' Researcher, Ivan Allen College, CACP

Principal Research Scientist, School of Public Policy, CACP

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

Co-chair, CDAIT Thought Leadership Working Group

Visiting Professor, Amity University, London, England

Adjunct Faculty, Oklahoma State University, OK

Advising:

Dalton Nechanicky, undergraduate student, IE
Jamaya Powell, undergrad student assistant
Christina Touzet, graduate student August 2015 through December 2015 (accepted research faculty position as of January 2016 with CACP)

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

Principal Research Scientist, School of Public 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, C21U, 2012 – present.

Advising:

James Flowers, Doctoral Candidate, GSU/GT Dissertation Committee (Defense, Feb. 29, 2016)
Jennifer Rutledge, graduate student
Nydia Palacios, graduate student

Nathan W. Moon, Ph.D.: Research Scientist II, School of Public Policy, CACP

Teaching: Part-Time Lecturer, School of History and Sociology (HSOC)
Summer 2015; HTS 2013: Modern America; 29

RESEARCH AND CREATIVE SCHOLARSHIP

Books and Books Chapters (3)


Journal Articles, Papers and Conference Proceedings (refereed) (11)


**Publications-non refereed (4)**

**Wireless RERC Summit Proceedings: Envisioning Inclusive FUTURES**

The Envisioning Inclusive FUTURES Summit Proceedings was published March 2016 by the Rehabilitation Engineering Research Center for Wireless Technologies (Wireless RERC) on our website. The Summit focused on 1) key social, economic, political and technological forces at play in the migration from legacy, analog technologies to mobile, digital technologies, and 2) the consequential futures for
people with disabilities. The Proceedings concluded that a variety of technological solutions exist whether discussing the present or the future, and more are under development to facilitate the ability of people with disabilities to engage in life activities. Transformative ideas and common visionary themes addressed wireless technologies and systems that could stimulate inclusive solutions such as robotics, wearables, the Internet of Things, next-generation emergency communications and alerts, and assistive intelligence for auditory and visual navigation. Looking to an inclusive future, not only were research and policy agenda items identified, but also challenges and recommendations on how to reach a future of inclusiveness. Following are a few findings:

- Usability is critical – technology needs to be “out of the box” ready. The design process should be enhanced so that devices be intuitively usable, or conversely, be easily personalizable.
- Education, outreach and awareness efforts should be dynamic and integral to both ongoing and adaptive/changing environments.
- Products and services should be universally designed and also take into account cultural sensitivity.

The visionary theme from the opening to the concluding dialog emphasized: A transformative future is an inclusive future. Available at: http://www.wirelessrerc.gatech.edu/sites/default/files/content/newroom/Wireless%20RERC%20SoT%20-%20Envisioning%20Inclusive%20Futures%20Summit%20Proceedings.pdf


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.


Filings on Rule Makings to the Federal Communications Commission, Washington, D.C. and other federal agencies (5)
Wireless RERC on the Record: Role of Government in the Advancement of IoT

June 1, 2016 – The Wireless RERC, in collaboration with Georgia Tech’s Center for Advanced Communications Policy (CACP), and the Center for the Development and Application of Internet of Things Technologies (CDAIT), Georgia Tech Research Institute, filed comments in response to The National Telecommunications and Information Administration's (NTIA) inquiry: “Notice, Request for Public Comment, The Benefits, Challenges, and Potential Roles for the Government in Fostering the Advancement of the Internet of Things [Docket No. 16033106–6306–01]. NTIA sought broad input from all interested stakeholders—including the private industry, researchers, academia, and civil society on the potential benefits and challenges of the Internet of Things (IoT) and what role, if any, the U.S. Government should play in this area. The comments submitted addressed, among other things, IoT’s potential to advance the social inclusion and independent living of people with disabilities; and improve the dissemination of emergency information. The submission encouraged (a) the consultation of people with disabilities throughout the design and development phases of the IoT, and (b) the accessibility implications of future technologies to become a high-level consideration when planning Federal level technology development strategies and policy.

Wireless RERC on the Record: Advancing Access to Emergency Alerting

June 8, 2016 - Georgia Tech’s Center for Advanced Communications Policy (CACP), in collaboration with the Wireless RERC, submitted comments to the Notice of Proposed Rulemaking (NPRM) In the Matter of Amendment of Part 11 of the Commission’s Rules Regarding the Emergency Alert System [15-94]; Wireless Emergency Alerts [PS Docket No. 15-91]. The proposed changes in the NPRM are intended to strengthen the emergency alerting systems and to increase their effectiveness at prompting the public to take the appropriate protective actions. The major areas of change included improving alerting organization at the state level, bringing alerting tools up to date with advancements in technology, and developing community-based accessible public safety exercises. Wireless RERC comments contended that all communications received on digital devices should be accessible and concur that the proposed advancements for both WEA and EAS are a promising avenue for ensuring timely response and recognition of messages to safeguard all citizens. The recommendations were intended to facilitate the maturation and modernization of both systems, empowering all to make informed choices that result in maximizing message diffusion and ensuring the same timely and effective access to alerts and warnings for people with disabilities. Available at: https://ecfsapi.fcc.gov/file/60002098871.pdf

Wireless RERC on the Record: Volume Control Standards for Hearing Aid Compatibility
February 26, 2016 – The Wireless RERC, in collaboration with Georgia Tech’s Center for Advanced Communications Policy (CACP) filed comments before the FCC in response to the Notice of Proposed Rulemaking (NPRM) In the Matter of Access to Telecommunications Equipment and Services by Persons with Disabilities [CG Docket No. 12-32]; Petition for RulemakingFiled by the Telecommunication Industry Association Regarding Hearing Aid Compatibility Volume Control Requirements [CG Docket No. 13-46]; Amendment of the Commission’s Rules Governing Hearing Aid-Compatible Mobile Handsets [WT Docket No. 07-250]; Comment Sought on 2010 Review of Hearing Aid Compatibility Regulations [WT Docket No. 10-254]. The comments, in large part, were informed by analyses of data collected via the Wireless RERC’s hearing aid compatibility (HAC) survey research in 2014 which gathered data from people who use hearing aids and cochlear implants on how well their hearing technology works with their wireless handsets. Answers to the survey questions have provided insight into the effectiveness of hearing aid compatibility requirements in the United States, as well as the need for any amendments to the rules. The Wireless RERC’s comments supported the incorporation of the proposed 2012 ANSI Wireline Volume Control Standard, and further recommended extending any technology requirements for wireline phones to Voice over Internet Protocol (VoIP) phones, as well. The filing of Apple extensively quoted and supported our findings and has led to discussions on how accessibility features can be better incorporated into product development. Available at: http://apps.fcc.gov/ecfs/document/view?id=60001520486

Wireless RERC on the Record: Wireless Emergency Alerts & Accessibility

January 13, 2016 - The Wireless RERC, in collaboration with Georgia Tech’s Center for Advanced Communications Policy (CACP), added their expertise to support several of the proposed enhancements to the Wireless Emergency Alerts (WEA) system. In a Notice of Proposed Rulemaking released by the FCC In the Matter of Improving Wireless Emergency Alerts and Community Initiated Alerting [PS Docket 15-91], the FCC requested stakeholder input on several ways to enhance the effectiveness and content of WEA messages. Wireless RERC and CACP research on the accessibility of WEA messages for people with disabilities provided empirical data in support of their recommendations. From a regulatory review and literature review conducted under contract with the DHS Integrated Public Alert & Warning System (IPAWS) Project Management Office (PMO), a framework was developed that identified influencing factors that, if not optimal, could negatively impact the effectiveness of WEA messages. For example, current WEA regulations limit the potential of the system. Most notably the 90 character maximum length and the geotargeting boundaries being too large (i.e., county wide). Additionally, the rules currently prohibit the use of URLs and dialable numbers. The accessibility provisions only addressed alert notification signals (i.e., vibration cadence and alert tone) but not access to the content of the message. For people with disabilities, these features would be especially useful as it would enable them to receive more information about the event in a format that is accessible to them, or made accessible via the assistive
technology they have installed on their WEA capable device. Available at:

**Wireless RERC Comments on Accessible Emergency Communications**

November 19, 2015 – The Wireless RERC submitted ex parte comments to the Federal Communications Commission in open proceedings concerning the Emergency Alert System [Docket Nos. 15-94 and 04-296] and Wireless Emergency Alerts (WEA) [Docket Nos. 15-91 and 07-287]. The document presents the background and results of research activities which were conducted to examine the effectiveness of EAS and WEA to provide alerts to people with disabilities. Specifically, the Wireless RERC conducted comparative analyses of the awareness of EAS and WEA messages, the accessibility of the two systems, as well as the types of protective actions taken as a result of the emergency messages. The survey research occurred between 2011 and 2014 and the results, analyses and recommendations were completed in 2015 and were submitted for consideration in the above-referenced rulemakings. This research was provided to government entities including the FCC and DHS to supply unbiased data and evaluation to help ensure that individuals with disabilities have equal access to critical lifesaving information through digitally-based warning systems. Available at:
http://www.wirelessrerc.gatech.edu/sites/default/files/content/newroom/Ex%20Parte%20_WEA_EAS_ResearchBrief_FINAL.pdf

**ACADEMIC, COMMUNITY ACTIVITIES & PRESENTATIONS**

**Helena Mitchell** (3)

Member, President’s Committee on Disabilities and Access, National Best Practices Subcommittee Chair, 2013 – April 2016.

Executive Committee, Policy@Tech.

Member, Georgia Emergency Preparedness Coalition for Individuals with Disabilities and Older Adults, 2011-Present.

**Paul Baker** (3)

Reviewer: Ivan Allen College Graduate Student Paper Competition 2015, 2016

Georgia Institute of Technology FIRE Proposal Reviewer, 2012 -2016.

Board of Trustees, of the Friends Publishing Corporation, Philadelphia, PA, 2010-Present.
Nathan Moon  (5)

Co-chair, Policy@Tech (Consortium of Policy Research Centers at Georgia Tech).

Chair, Georgia Tech Faculty Honors Committee, Standing Committee of the Georgia Tech Faculty Senate, 2014-Present.

Peer Review, Ivan Allen College SGR grants program

Peer Reviewer, Technology in Society journal

External Advisory Board (EAB) Member, Columbus State University, Improving Undergraduate STEM Education (IUSE) program.

Conference Presentations  (28)


Touzet, C. (2016). “EAS & WEA: Does the new alerting technology improve accessibility?” Poster presented at the RES/CON (formerly the International Disaster Conference and Expo (IDCE), March 1-3, 2016, New Orleans, LA.


Dissemination Activities – Items in this section have not been counted in other categories.

Outreach

CACP was a sponsor of the Wearable Computing Forum on October 21, 2015. The Forum focused on the Optimized Self. The day consisted of expert panels and demonstrations of new technology at related Georgia Tech centers. CACP/Wireless
RERC had a poster presentation and demonstration (see above reporting) during the
daylong event where our work on smartphone adaptation prototypes to enhance
those with sensory disabilities by increasing light and vibrations sent to phones during
emergencies were highlighted.

Employer Policy, Research and Technical Assistance Center for Employers on the
Employment of People with Disabilities.

Paul M.A. Baker and Nathan Moon were on the planning committee and served as
session leaders for the University System of Georgia’s New Learning Models 2030
Symposium held September 23, 2015 at the Academy of Medicine, Atlanta.

Helena Mitchell met in July 2015 with Dr. Luminita Vasiu, head of the Amity University (in)
London, representatives from the London School of Business and other stakeholders
from industry and education to plan an executive workshop tentatively titled "Business,
Advanced Communications and Academia Collaborations: across mutual fields of
interest." The 2016 workshop, will be held in London to share strategies for leveraging EU
and U.S. funds for collaborative projects.

Helena Mitchell received by-invitation-only request from CTIA to speak at their
Accessibility Outreach Initiative Forum on September 9, 2015 in Las Vegas, Nevada.
Ten leaders from the wireless industry who serve on CTIA board or advisory working
groups attended the Forum on how to educate their constituents on accessible
“best practices.” The panel for 2015 was, “Advancing Access to Emergency
Communication Technologies for Persons with Disabilities." Helena spoke on the
federal network of Wireless Emergency Alerts.

Helena Mitchell attended an invitation-only workshop, ”Broadband 2021” held June
16th and 17th 2016 at the National Science Foundation (NSF) in Arlington, VA. The
goal was to help shape the future research agenda for broadband and help
ensure all members of the U.S. society benefit from new developments in
broadband. Dr. Mitchell addressed current applications-related challenges in the
opening “technology uses of broadband” session. Given the priority accorded to
this activity by the BOC and NSF/ National Telecommunications and Information
Administration, the report is likely to receive wide attention in Washington policy
circles and the media.

Helena Mitchell by special invitation, participated in the ITU- IEEE-Academia
collaboration consultation meeting that took place on December 8, 2015 (just prior to
Kaleidoscope 2015). This meeting provided an opportunity to exchange views on what
the International Telecommunications Union (ITU) and IEEE can do to best meet the
needs and expectations of Academia. The event included some 50 participants
representing institutions from all over the world. The ITU Deputy Secretary General spoke
to the small gathering of country higher education representatives.
Social Media

CACP:
Accessible Technology Policy Group (ATPG), established in 2009 currently has 904 members. ATPG is focused on policy development and exchange of information related to e-accessibility and inclusive design.

The CACP Facebook page has 202 members. 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 692 followers. The CACP Twitter feed’s purpose is to share CACP news and events, as well as post relevant technology and policy news items.

Individual:
Paul M.A. Baker has an IAC website at http://paulmbaker.gatech.edu, maintains a LinkedIn profile with 2263 connections, and a Twitter feed (@paulmbaker) with 1750 followers.

Emergency Lifelines Tabletop and Workshop

CACP and the Wireless RERC hosted an Emergency Lifelines Workshop & Tabletop on April 14, 2016 in Atlanta, Georgia. Forty-four (44) individuals representing local, state, federal and academic leaders who play a role in emergency communications were in attendance. This one day workshop heightened awareness among stakeholders about the need for accessible emergency communications and feasible approaches to ensure timely lifesaving information from the public safety officials is sent to people with disabilities.

The first panel gave an Update on Federal, State, and Local Emergency Communications, with panelists from IPAWS - FEMA/DHS, the regional level emergency communications operations at FEMA and the DeKalb County Emergency Management Agency.

Panel #1: Charles McCobb, Mary Hudak, Helena Mitchell (moderator), and Sue Loeffler.
The second panel discussed **State and Local Initiatives**, panelists were Georgia Emergency Management Agency; Georgia Department of Public Health Emergency Communications; DeafLink; and the Georgia Emergency Preparedness Coalition for Older Adults and Individuals with Disabilities.

Panel #2: Wayne Smith, Betsy Kagey, Rick Wimberly (moderator), Jennifer Hogan, Kay Chiodo.

Following the two panels, was a poster and demo session for attendees to gather information on the state of emergency communications research, technology, and resources available in Georgia to help their agencies and constituencies. Demos included: Hamilton/Georgia Relay, FEMA IPAWS, FEMA Region IV, Georgia Emergency Preparedness Coalition, Accessible Weather App, Deaf Link Inc., Wireless RERC Research, and Accessible Wireless Emergency Alerts with ASL video feature, etc.

In the afternoon there was a **Winter Storm Tabletop Exercise – a Discovery & Exploration.** The tabletop exercise consisted of modules that reviewed different types of winter weather alerts, warnings and watches. Each table was able to discuss each of the modules as a table and troubleshoot different efforts made by agencies in relation to emergency communications. Each table discussed issues that could arise and how to communicate in an accessible manner throughout the alert and warning stages. This tabletop exercise featured actual NWS generated weather watches and weather warnings for a winter storm in the Atlanta metro area. After presentation of each input the moderator posed a series of questions and each table was given time to discuss and then report out on what their discussions had revealed. Attendees reported countless benefits from the day, including: greater awareness, networking, expanding horizons, gained knowledge in new areas, learned how to communicate with different agencies, excellent opportunity to learn from other experts and share mutual experiences and lessons learned, learned various challenges related to inclusion of people with disabilities or access and functional needs.

**BCS-The Chartered Institute for IT, U.S.A. Southeast Regional Group (SERG)**

CACP is the U.S.A. Southeast Regional Group headquarters for BCS, an international organization with more than 70,000 members worldwide, 16 international sections and over 45 specialist groups including BCS women, young professionals, education, and IT
security. The SERG is comprised of members from GA, FL, AL, TN, AR, NC and SC. CACP held a number of officer positions in the SERG including chair, educational liaison officer and secretary.

Salimah LaForce, Ken Bernard and Alisha Kennedy, officers of SERG, collaborated and held meetings with computer science and math faculty at Henry Grady High School and with the educational technology specialist and instructional coach faculty at South Atlanta High School throughout 2015 to encourage students to join the Easy as Pi Youth Programmers pilot project. Easy as Pi Youth Programmers is an education and outreach activity piloted by BCS, the Chartered Institute for IT, USA Section, Southeast Regional Group (SERG). The goal of Easy as Pi is to engage local K-12 students in computer programming and stimulate an interest in pursuing computer science degrees and eventual careers. Raspberry Pi programmable computers, development supplies and peripherals were distributed to fifteen Grady High School students participating in their after school Coding Club. They worked in teams of 2-5 students to program and develop projects. Goals included providing the opportunity for girls, minorities and socioeconomically disadvantaged youth the ability to discover and advance their computer science talents, engage students in a meaningful and fun computer science experience that incentivizes them to strive for all-around academic excellence; and encourage students to pursue degrees and eventual careers in a computer science field.

**Brunch n' Learn - Startups & Innovation: Taking Your Ideas to the Marketplace**

BCS-The Chartered Institute for IT, U.S.A. Southeast Regional Group (SERG) in partnership with CACP, hosted a Brunch & Learn titled, Startups & Innovation: Taking Your Ideas to the Marketplace on September 24, 2015 in the Student Center Commons, GT.

On the panel were three speakers: Blake Patton, Managing Partner, Tech Square Ventures; Dr. J. MacCalla, CEO, Zyrobotics; and Neil Kimbler, VP of Software Development, Videa, LLC. The panel discussed their experiences as a start-up and the lessons learned along the continuum of technology/product concept to market, and shared experiences with students and research faculty at Tech to help them gain insights on what it takes to successfully transition their ideas from concepts to realities.
Collaborations & Meeting Presentations

Helena Mitchell

Collaborations and meetings with the Academy: Georgia State University, Syracuse University, Oklahoma State University, University of Nebraska, Omaha; University of Colorado-Boulder, Johnson C. Smith University, Amity University (London), and Gallaudet University.

Collaborations and meetings with government agencies: National Academies of Science- Computer Science and Telecommunications Board; U.S. Department of Commerce, National Telecommunications and Information Administration; Department of Homeland Security – Science and Technology Directorate, Federal Emergency Management Agency (FEMA), IPAWS, and Office of Disability Integration and Coordination; Federal Communications Commission; U.S. Department of Education; National Council on Disability; U.S. Access Board; National Institute for Disability and Rehabilitation Research (NIDRR), Administration for Community Living, HHS.

Collaborations and meetings with disability related organizations: GACHI-serving the deaf and hard-of-hearing; DeafLink; National Association of County and City Health Officials; Georgia Council on the Blind; State ADA Coordinator Office; Georgia Emergency Preparedness Coalition; RERC on Aging (TechSage); RERC on Blind and Low Vision, and RERC on Assistive Communications Technology.

Collaborations and/or meetings with industry: Blackberry, CTIA-the Wireless Association, Nokia, AT&T, Microsoft, NENA, Consumer Electronic Association, and National Public Radio.

165 technical assistance/outreach meetings 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.

Paul M.A. Baker

Collaborations and meetings with the Academy: Indiana University - Perdue University, Indianapolis (IUPUI), Emory University, Georgia State University, Kennesaw State University, University of Georgia, Technical College System of Georgia, University of Texas at Arlington, George Washington University, George Mason University, University of Washington, University of Central Florida, Temple University, Carnegie Mellon University, University of Toronto, Association of Public and Land-grant Universities, Complutense University of Madrid, National University of Ireland, Galway, Friedrich Schiller University Jena, University of Sydney, AUT University, University of Limerick, Kellogg College, Oxford University, Geneva
Collaborations and meetings with **government agencies:** University System of Georgia, Federal Reserve Bank of Atlanta, National Council on Disability, Office of Disability Employment Policy - US Department of Labor, US Department of Education, ICDR (The Interagency Committee on Disability Research), United States Access Board, Administration for Community Living, US Department of Health and Human Services, Centers for Medicare and Medicaid Services (CMS), Centers for Disease Control; Science and Technology Directorate, British Consulate, Finland Academy of Science, CUDECA (Culturas y Desarrollo en Centroamérica) (Costa Rica), Ministerio de Obras Públicas y Transportes (Costa Rica), Research Foundation – Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO).

Collaborations with **disability and health organizations:** RERC on Aging, Center for Leadership in Disability, Children’s Healthcare of Atlanta, Georgia Department of Community Health, Georgia Department of Economic Development, Viscardi Center, Rehabilitation Engineering and Assistive Technology Society of North America, World Institute on Disability, USBLN.

Collaborations and/or meetings with **industry:** Bill and Melinda Gates Foundation, Assistive Technology Industry Association, LoudCloud Systems, Degreed.com, Blackberry, CTIA-The Wireless Association, Steelcase, CTA Foundation, Sprint, Samsung, AT&T, Microsoft, Jawbone, Friedrich Ebert Stiftung (International Trade Union Policy Foundation), Lumina Foundation, ITHAKA, Atlanta Braves organization, Booze Allen Hamilton, MailChimp, Sharecare, ThyssenKrupp, American Institutes for Research.

130 technical assistance/outreach meetings 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.

**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, Valdosta State University, Georgia Gwinnett College, Middle Georgia State College, Georgia Perimeter College, University of Toronto, and California State University.

Collaboration with **public and government agencies:** the National Institute for Disability and Rehabilitation Research (NIDRR), 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).


80 technical assistance/support/outreach activities 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.

Salimah LaForce

Collaborations and meetings with the Academy: University of Nebraska - Omaha, Georgia State University, University of Texas – Arlington, Georgetown, George Washington University, University of California – Santa Barbara, Grady High School, South Atlanta High School, Atlanta Area School for the Deaf, Atlanta Public Schools District.

Meetings and/or collaborations 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; US Department of Labor, Office of Disability Employment Policy; Georgia Emergency Management Agency, State of Georgia ADA Coordinator’s Office; National Emergency Number Association (NENA); DeKalb Emergency Management Agency; Georgia Department of Public Health

Meetings and/or collaborations with disability and non-governmental organizations: Partnership for Employment and Technology (PEAT), Viscardi Center, BCS HQ, Smith-Kettlewell Eye Research Institute, US Business Leadership Network, Center for the Visually Impaired, Georgia Emergency Interpreting Services Network, CANnect.org, World Institute on Disability, American Institute for Research (via the Knowledge Translation RERC), GACHI – serving the deaf and hard of hearing, Harris Family Center for Disability and Health Policy

Meetings and/or collaborations with industry: CTIA – The Wireless Association; HTC; AT&T; RareWorks, LLC; DefLink, Inc.; Yik Yak, Videa, Inc; Zyrobotics; Tech Square Ventures; Zero Tech; Infinite Futures; Be My Eyes; Galain Solutions; Inclusive Technologies; IT Americas, British Airways

Approximately 141 technical assistance/outreach meetings not reported already. Meetings included 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; topics regarding national
public policy agendas in advanced technologies; recruitment efforts for focus group and usability studies; responses to inquiries via Facebook and Twitter accounts, response to the TDPH, respondent recruitment for the Survey of User Needs, and administration of the 2015 Wireless Emergency Alerts Survey via the telephone.

SPONSORED FUNDING

Active (7)


Nathan W. Moon, PhD, Co-PI. Collaborative Research: Georgia STEM Accessibility Alliance (GSAA), National Science Foundation, Research in Disabilities Education (RDE), 10/1/2010-9/30/2015, $22,239 for fiscal year 10/1/14 – 9/30/15).

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, 60 months, 10/1/12 – 9/30/17, $29,384 for fiscal year 10/1/14 – 9/30/2015.

Nathan Moon, Ph.D., Principal Investigator, Phase III External Evaluation, USG STEM Initiative, Board of Regents of the University System of Georgia, 7/1/2015-6/30/2016, $51,403. N.W. Moon (PI), Phase III External Evaluation of the University System of Georgia STEM II Initiative, Board of Regents of the University System of Georgia, 7/1/14 - 6/30/15, $51,403.

Nathan W. Moon (PI), Board of Regents of the University System of Georgia, Borrowed Services Agreement, 7/1/14-6/30/15, $13,607.
MEMBERSHIPS, BOARD MEMBERSHIPS AND NATIONAL RECOGNITION

Helena Mitchell (14)

Cuba Delegation Helena was selected to be part of a delegation to participate in meetings in Cuba early August 2015. The Delegation was sponsored by the New York Diversity Council who selected 24 members from across the U.S. Dr. Mitchell was part of the Education Interest Section and met with universities, broadcast executives, ministry of higher education and other organizations to discuss areas of mutual interest. A white paper was produced for the New York State Council on diversity and the State Dept.

The Board of Regents appointed Dr. Helena Mitchell in 2014 as Regents’ Researcher for three-years. A Regents’ Researcher represents the highest status bestowed by the Board of Regents, which governs the University System of Georgia. It is in recognition of substantial, significant and an ongoing record of scholarly achievement that has earned high national esteem over a sustained period.

Helena was one of fifty alumni of Syracuse University’s S.I. Newhouse School of Public Communications—accomplished professionals from all areas of the media industry—who were honored at a 50Forward special event Oct. 29, 2015 in New York City. Honorees were selected because they represent the kind of forward thinking for which Syracuse University graduates have always been known.

Recipient of the 2015 Hall of Heritage Award in June 2015 from her undergraduate school, State University of New York, College at Brockport. The award honored those alumni who distinguished themselves by their contributions to the alumni association and through their community service.

Appointed to serve on a newly formed committee of the Federal Communications Commission in February 2015 for three-years. The Disability Advisory Committee provides advice and recommendations to the Commission on a wide array of disability matters within the jurisdiction of the Commission and facilitate the participation of people with disabilities in proceedings before the Commission.


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

Member, Southeast Regional Group, USA Section, BCS-The Chartered Institute for IT, March 2010 – Present.


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

Member, NENA Accessibility Committee, 2008 – Present.


**Paul M.A. Baker (16)**


External Reviewer, SBO (strategic basic research) Programme, Research Foundation - Flanders, Belgium, 2016.


Co-Chair, Research Council 11 (Politics and Science), International Political Science Association (IPSA), December 2014 – Present.

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

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

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


Member, Editorial Board, Journal of Information Technology & Politics,

Member, Editorial Board, International Journal of Work Innovation
Member, Editorial Board, International Journal of E-Adoption (IJEA).

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

Member, Editorial Board, Journal of Disability Policy Studies.


**Nathan Moon (9)**

Chair, Government Affairs Committee of RESNA, The Rehabilitation Engineering and Assistive Technology Society of North America (2012 – Present); Ex-Officio Member, RESNA Board of Directors

Member, Disability and Rehabilitation Research Coalition (DRRC)

Member, American Evaluation Association

Ad-hoc Reviewer for NSF, Research on Education and Learning (REAL) and Research in Disabilities Education (RDE)

Peer Reviewer, National Council on Disability (NCD), for Task Order NCD 01-16, “Notice of Funding Opportunity 2016 Progress Report” Competition

External Advisory Board (EAB) Member, Columbus State University, Improving Undergraduate STEM Education (IUSE) program.

Steering Committee Member, Georgia Conference on Scholarship of STEM Teaching and Learning, Georgia Southern University.

Peer Review, Ivan Allen College SGR grants program

Peer Reviewer, *Technology in Society*

**Salimah LaForce (4)**

Chair, Southeast Regional Group, USA Section, BCS – The Chartered Institute for IT, 2015 – Present (Secretary, March 2010 – 2015).

BCS Women Coordinator, Southeast Regional Group, USA Section, BCS – The Chartered Institute for IT, 2011 – Present.

Member, GA Emergency Preparedness Coalition for Individuals with Disabilities and Older Adults, 2011- Present.

Member, Consumer Technology Association - Working Group 19: Recommended Practice for Audio Accessibility of Audiovisual Device, August 2015 – Present.
Christina Touzet (3)

Member, National Emergency Number Association (NENA) – Committees: Accessibility, Emergency Communications, Communications Modalities, 2016.

Co-chair, Georgia Emergency Preparedness Coalition (GEPC) for Individuals with Disabilities and Older Adults, Training and Technical Guidance committee, 2014 – Present.

Member, International Association of Emergency Managers (IAEM) - Emerging Technology Caucus, Global Student Council Strategic Committee Student Liaison, 2012 – Present.

Jacqueline Herndon (1)


Kenneth Bernard (2)

Alternate, Government Technology Advisory Board, 2012 – Present.

Educational Liaison Officer, Southeast Regional Group, USA Section, BCS-The Chartered Institute for IT, 2015 – Present (Chairman, March 2010 – 2015).

Alisha Kennedy (2)

Secretary, Southeast Regional Group, USA Section, BCS-The Chartered Institute for IT, 2015 – Present.

Member, Georgia Tech Staff Council – Employee Engagement Committee, 2016 – Present.

CACP AFFILIATES (Partially paid by CACP)

Frank Lucia, Consultant
Harley Hamilton, CoC
Ed Price, IPaT
Peter Presti – IMTC
Brian Jones, IMTC
Tiffany O’Quinn, IMTC
Zane Cochran, IMTC
Scott Gilleland, IMTC
Carrie Bruce, CoA
Bruce Walker, Psychology
Young Mi Choi, CoA
Maureen Linden, CATEA

Shepherd Center (25% - 100% paid by CACP): 

Michael Jones
Jim Mueller
Ben Lippincott
John Morris
Mark Sweatman
Peter Cassanova

PEOPLE INVOLVED IN CENTER ACTIVITIES
Jessica Pater – GTRI
Sara Endicott – COA
Jon Sanford – COA
Karen Milchus – COA
Joiava Phillpott, Cox Communications
Kennard Woods – Federal Communications Bar Association
Carolyn Roddy – Federal Communications Bar Association
Robert Todd – COA
Chris Langston – COA
Summer Lenuso – COA
Technology Association of Georgia
The Findings Group
Burruss Institute, Kennesaw State University
DeafLink, Inc., San Antonio, TX
Goals for 2016 – 2017

Building upon a successful track record, CACP will grow internal GT collaborations to support new partnerships included in our proposed large "umbrella" funding of the Wireless RERC. If successful the new cycle will go into effect October 1, 2016 – September 30, 2021. CACP will hire more graduate and undergrad research assistants, faculty, and GT researchers and engineers. In addition, CACP plans to become more aggressive in its expansion of sponsored 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; and external partnerships with industry; and collaborations with companies creating new tools that focus on service to vulnerable populations.
## Audience Overview

**Jul 1, 2015 - Jun 30, 2016**

### Overview

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<tr>
<th>Sessions</th>
<th>Users</th>
<th>Pageviews</th>
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<td>26,783</td>
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<th>Avg. Session Duration</th>
<th>Bounce Rate</th>
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<th>Pages / Session</th>
<th>Returning Visitor</th>
<th>New Visitor</th>
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<td>45%</td>
<td>55%</td>
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### Language

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