

**PAUL MANUEL AVILES BAKER**  
**Senior Director, Research and Strategic Innovation**  
**Center for Advanced Communications Policy (CACP)**  
**Principal Research Scientist, School of Public Policy**  
**Ivan Allen College**  
**Georgia Institute of Technology**

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## **EDUCATIONAL BACKGROUND**

|        |      |                         |                                   |
|--------|------|-------------------------|-----------------------------------|
| M.T.S. | 2007 | Emory University        | Theological Studies               |
| Ph.D.  | 1997 | George Mason University | Public Policy                     |
| M.A.   | 1992 | George Mason University | International Commerce and Policy |
| M.P.   | 1984 | University of Virginia  | Planning                          |
| B.S.   | 1980 | University of Wisconsin | Zoology                           |

## **EMPLOYMENT HISTORY**

### **Academic Experience**

Senior Director, Research and Strategic Innovation, and Principal Research Scientist, Center for Advanced Communications Policy (CACP), Georgia Institute of Technology, 2014-Present.

Associate Director, Center for 21<sup>st</sup> Century Universities, Georgia Institute of Technology, 2011-2014.

Courtesy Appointment, School of Public Policy, Georgia Institute of Technology, 2011-2014

Adjunct Professor, Centre for Disability Law & Policy, National University of Ireland, Galway, 2011-Present.

Professor, (Courtesy Appointment), Ph.D. Program in Public Affairs, College of Health and Public Affairs, University of Central Florida, 2010-Present.

Director of Research, Center for Advanced Communications Policy, Georgia Institute of Technology, 2005-2011.

Adjunct Professor, School of Communications and Theatre, Temple University, 2007-2008.

Associate Director of Policy Research, Georgia Centers for Advanced Telecommunications Technology, Georgia Institute of Technology, 2001-2005.

Adjunct Professor, Georgia Institute of Technology, School of Public Policy, of Public Policy, 2001-2011.

Visiting Assistant Professor, School of Public Policy, Georgia Institute of Technology, 1999-2001.

Visiting Assistant Professor, Political Science Program, Saint Mary's College, 1999.

Assistant Professor, School of Public Policy, George Mason University, 1998-1999.

Director of Student Affairs and Research Assistant Professor, School of Public Policy, George Mason University, 1997-1998.

Research Assistant Scientist, Institute of Public Policy, George Mason University, 1996-1997.

Research Fellow, Institute of Public Policy, George Mason University, 1993-1996.

Instructor, Department of Public and International Affairs, George Mason University, 1993-1997.

### **Industry Experience**

Publisher, Black's Office Guide/McGraw-Hill, Bethesda, Maryland, 1988-1991.

Manager, Real Estate Services, Fairfax County Economic Development Authority, Vienna, Virginia, 1986-1988.

Environmental Scientist, Labat-Anderson Inc., Arlington, Virginia, 1983-1984.

Environmental Scientist, Henningson, Durham & Richardson - Alexandria, Virginia, 1981-1983.

## CURRENT FIELDS OF INTEREST

Most broadly, my research interests are trans-disciplinary in nature and relate to technology implementation barriers and opportunities at the intersection of public policy, information technology adoption; and separately, the functioning of communities and virtual groups. Current research projects focus on the role of policy in advancing technology and universal accessibility goals for persons with disabilities and the aging, including e-accessibility, telework and Americans with Disabilities Act (ADA) compliance, institutional change in higher education, institutional issues involved in public sector information policy development, state and local government use of information and communication technologies (ICT's), and the operation of communities of practice and online communities in virtual environments.

The other major emphasis of my research over the last decade has been on e-learning, telecommunications and ubiquitous computing policy, virtual collaboration as an accommodation, and learning communities. Research approaches include online data collection and e-Delphi methodology, focus group, survey, and interview methodologies.

## I. TEACHING

### A. Courses Taught

| <u>Year</u> | <u>Course Number</u> | <u>Course</u>   |
|-------------|----------------------|---|
| SP 2008     | PUBP 8803            | Critical Issues in Open Source Seminar (W/Doug Noonan)            |
| FA 2004     | PUBP 8803            | Technology, Policy, & Disability Divide: Accessibility, Awareness |
| FA 2003     | PUBP 8803            | Technology, Policy, & Disability Divide: Accessibility, Awareness |
| FA 2001     | PST 3127             | Science, Technology and Human Values                              |
| SP 2001     | POL 1101             | American Government   |
| FA 2000     | PUBP 4211            | Urban Policy: The Information Society                             |
| SU 2000     | POL 1101             | American Government   |
| SP 2000     | POL 1101             | American Government   |
| SU 1999     | PUAD 502             | Introduction to Public Administration                             |
| SU 1999     | PUAD 611             | Problem Solving and Data Analysis I (Public Administration)       |
| SP 1999     | PUAD 611             | Problem Solving and Data Analysis I (Public Administration)       |
| SP 1999     | PUBP 733             | Telecommunication Technology and Policy                           |
| FA 1998     | INTL 701             | (Special Topics) Information Cities, and Networks                 |
| FA 1998     | GOVT 250             | Introduction to Political Analysis (Methods)                      |
| SU 1998     | PUAD 502             | Introduction to Public Administration                             |
| SP 1998     | PUAD 502             | Introduction to Public Administration                             |
| FA 1997     | INTL 701             | (Special Topics) Information Cities, and Networks                 |
| SU 1997     | GOVT 204             | State and local Government  |
| FA 1996     | GOVT 250             | Introduction to Political Analysis (Methods)                      |
| SU 1996     | GOVT 204             | State and Local Government  |
| SP 1996     | GOVT 250             | Introduction to Political Analysis (Methods)                      |
| FA 1995     | GOVT 250             | Introduction to Political Analysis (Methods)                      |
| SU 1995     | GOVT 204             | State and Local Government  |
| SP 1995     | GOVT 250             | Introduction to Political Analysis (Methods)                      |
| SU 1994     | GOVT 204             | State and Local Government  |
| SU 1993     | GOVT 204             | State and Local Government  |

## B. Curriculum Development

In 2003, I was awarded a Georgia Tech Research Faculty Teaching Fellowship to develop and teach PUBP 8803 Technology, Policy, & Disability Divide: Accessibility, Awareness, a three credit graduate seminar of special topics addressing policy issues related to accessibility and mitigation of barriers to the use of technology, particularly wireless technologies, by people with disabilities and the aging, in a variety of work, home, and other daily living contexts. The course was taught in Fall 2003 and Fall 2004.

## C. Individual Student Guidance

### 1) Doctoral Students, Directed Research (Public Policy)

Bass, K., Lauderman, G., O'Neil, D., Orr, R.

### 2) M.S. Supervised Directed Research (Public Policy)

Anavitarte, J., Bakowski, A., Belladore, C., Belle, A., Brandon, B., Dickson, A., Head, L., Narewski, T., Pater, J., Russell, N., Shackelford, S.,

### 3) Undergraduate Directed Research Students

Starr, A., Evans, R., Younger, W.

## D. Other Academic and Teaching Activities

Supervised three undergraduate and graduate research assistants at C21U, and previously 14 at CACP from 2001-2011.

## II. RESEARCH AND CREATIVE SCHOLARSHIP

### A. Dissertation

Baker, P.M.A. (1997). *Local Government Internet Sites as Public Policy Innovations*. James W. Harrington, Advisor. George Mason University, Fairfax, VA. Ph.D. Dissertation.

### B. Published Journal Papers (refereed)

Baker, P.M.A.; Gandy, M. & Zeagler, C. (2015, Forthcoming). Innovation and Wearable Computing: A Proposed Framework for Collaborative Policy Design. *IEEE Internet Computing*, 19(5) (September-October).

Moon, N.W., Baker, P.M.A, Roy, R.G., & Bozzorg, A. (2014). Disability Issues and Planning Education: Findings from a Longitudinal Survey of Planning Programs and Lessons for Urban e-Planning. *International Journal of E-Planning Research (IJEPR)*, 3(3), 38-52.

doi:10.4018/ijepr.2014070103

Harte, R.P., Glynn, L.G., Broderick, B.J., Rodriguez-Molinero, A., Baker, P.M.A., McGuiness, B., O'Sullivan, L., Diaz, M., Quinlan, L.R., & O'Laighin, G. (2014). Human centered design considerations for connected health devices for the older adult. *Journal of Personalized Medicine*. 4(2), 245-281. doi:10.3390/jpm4020245.

Sandulli, F.D., Baker, P.M.A., & López Sánchez, J. (2014). Jobs mismatch and productivity impact of information technology. *The Service Industries Journal*. Published online: 31 Jul 2014. DOI:10.1080/02642069.2014.939638

- Moon, N.W., Baker, P.M.A. Roy, R.G.B., & Bozzorg, A. (2014). Disability issues and planning education: findings from a longitudinal survey of planning programs. *International Journal of E-Planning Research (IJEPR)*.
- Duarte, A.R., Baker, P.M.A., & Sandulli, F.D. (2014). Un marco de análisis para la adopción de sistemas de gestión de aprendizaje en las universidades. *Globalización, Competitividad y Gobernabilidad de Georgetown/Universia*. 8(1), pp.124-140. doi: 10.3232/GCG.2014.V8.N1.07.
- Moon, N.W., Linden, M.A., Bricout, J.C., & Baker, P.M.A. (2013). Telework rationale and implementation for people with disabilities: considerations for employer policymaking. *WORK: A Journal of Prevention, Assessment, and Rehabilitation*. doi:10.3233/WOR-131819
- Sandulli, F.D., Baker, P.M.A., & López Sánchez, J. (2013). Can small and medium enterprises benefit from skill-biased technological change? *Journal of Business Research*, 66(10), pp. 1976-1982.
- Lowe, S.A., Rodríguez-Moliner, A., Glynn, L. Breen, P., Baker, P.M.A, Sanford, J., Jones, B.D., & O'laighin, G. (2013). New technology-based functional assessment tools should avoid the weaknesses and proliferation of manual functional assessments. *Journal of Clinical Epidemiology*. 66(6), pp. 619-32. doi:10.1016/j.jclinepi.2012.12.003.
- Baker, P.M.A., Bricout, J.C., Moon, N.W., Coughlan, B., & Pater, J. (2013, February). Communities of participation: A comparison of disability and aging identified groups on Facebook and LinkedIn. *Telematics and Informatics*, 30(1), pp. 22-34.
- Moon, N.W., & Baker, P.M.A. (2012, September). Assessing stakeholder perceptions of workplace accommodations barriers: results from a policy research instrument. *Journal of Disability Policy Studies*, 23(2), pp. 94-109.
- Ward, A.C., Moon, N.W., & Baker, P.M.A. (2012). Functioning, capability and freedom: a framework for understanding workplace disabilities. *Employee Responsibilities and Rights Journal*, 24(1), pp. 37-53, doi: 10.1007/s10672-011-9174-2
- Ward, A.C., Baker, P.M.A., & Moon, N.W. (2011, May). Issues in workplace accommodations for people with disabilities. *Philosophy for Business*, No. 67.
- Noonan, D.S., Baker, P.M.A., Seavey, A., & Moon N.W. (2011). Where the cathedrals and bazaars are: an index of open source software activity and potential. *Journal of Information Technology and Politics*, 8(3).
- Forman, A.E., Baker, P.M.A., Pater, J., & Smith, K. (2011). Beautiful to me: identity, disability, and gender in virtual environments. *International Journal of E-Politics*, 2(2), pp. 1-17.
- Baker, P.M.A., & Moon, N.W. (2010). Policy development and access to wireless technologies for people with disabilities: results of policy Delphi research. *Universal Access in the Information Society (UAIS)*, 9(3), pp. 227-237.
- Baker, P.M.A., Fairchild A.M, & Pater, J. (2010). E-Accessibility and municipal wifi: exploring a model for inclusivity and implementation. *International Journal of Information Communication Technologies and Human Development*, 2(2), pp. 52-66.
- Bricout, J.C., & Baker, P.M.A. (2010). Deploying information and communication technologies (ICT) to enhance participation in local governance for citizens with disabilities. *International Journal of Information Communication Technologies and Human Development*, 2(2), pp. 34-51.

- Bricout, J.C., & Baker, P.M.A. (2010). Leveraging online social networks for people with disabilities in emergency communications and recovery. *International Journal of Emergency Management*, 7(1), pp. 59-74.
- Baker, P.M.A., Hanson, J., & Myhill, W. (2009). The promise of municipal wi-fi and failed policies of inclusion: the disability divide. *Information Polity*, 14(1-2), pp. 47-59.
- Ward, A.C., Baker, P.M.A., & Moon, N.W. (2009). Ensuring the enfranchisement of people with disabilities. *Journal of Disability Policy Studies*, 20(2), pp. 79-92.
- Baker, P.M.A., & Moon, N.W. (2008, Fall). Wireless technologies and accessibility for people with disabilities: findings from a policy research instrument. *Journal of Assistive Technology*, 20(3).
- Sabata, D., Williams, M., Milchus, K., Baker, P.M.A., & Sanford, J. A. (2008). A retrospective analysis of workplace accommodations: recommendations for addressing functional limitations. *Journal of Assistive Technology*, 20(1), Spring.
- Kaplan, S., Weiss, S., Moon, N.W., & Baker, P.M.A. (2006). A framework for providing telecommuting as a reasonable accommodation: some considerations on a comparative case study. *WORK: A Journal of Prevention, Assessment and Rehabilitation*, 27(4).
- Baker, P.M.A., Moon, N.W., & Ward, A.C. (2006). Virtual exclusion and telework: barriers and opportunities of technocentric workplace accommodation policy. *WORK: A Journal of Prevention, Assessment and Rehabilitation*, 27(4).
- Head, L., Baker, P.M.A., Bagwell, B., & Moon, N.W.. (2006). Barriers to evidence based practice in accommodations for an aging workforce. *WORK: A Journal of Prevention, Assessment and Rehabilitation*, 27(4).
- Ward, A.C., & Baker, P.M.A. (2005). Disabilities and impairments: strategies for workplace integration. *Behavioral Sciences & the Law*, 23(1), pp. 143-60.
- Baker, P.M.A., & Bellordre, C. (2003, December). Factors influencing adoption of wireless technologies - key policy issues, barriers and opportunities for people with disabilities. *Information Technology and Disabilities*, Vol. IX(2).
- O'Neil, D.V., & Baker, P.M.A. (2003). The role of institutional motivations in technological adoption: implementation of DeKalb County's family technology resource center. *The Information Society*, 19(4), pp. 305-314.
- Baker, P.M.A., & Ward, A.C. (2002). Bridging temporal and spatial 'gaps': the role of information and communication technologies in defining communities. *Information Communication and Society*, 5(2), pp. 207-224.
- Baker, P.M.A. (2001, May). Policy bridges for the digital divide: assessing the landscape and gauging the dimensions. *First Monday*, 6(5). Retrieved from [http://www.firstmonday.org/issues/issue6\\_5/](http://www.firstmonday.org/issues/issue6_5/)
- Baker, P.M.A., & O'Neil, D.V. (2001, July). Engaging the community in system building: implementing the DeKalb County's Family Technology Resource Centers. *Community Technology Review*.
- Baker, P.M.A., & Ward, A.C. (2000, November). Searching for 'civitas' in the digital city: community formation and dynamics in the virtual metropolis. *National Civic Review*, 89(3).
- Baker, P.M.A. (1996, May/June). Community networks: new tools for environmental planning. *Environment and Planning*, pp.11.

## C. Published Books and Parts of Books

### C.1. Books

Baker, P.M.A., Hanson, J., & Hunsinger, J. (Eds.). (2013). *The Unconnected: Social Justice, Participation and Engagement in the Information Society*. New York, NY: Peter Lang Publishers.

### C.2. Chapters

Todd, R.L., Pater, J., & Baker, P.M.A. (2015, Forthcoming) (In)accessible learning in virtual worlds. In S. Gregory, M.J.W. Lee, B. Dalgarno, & B. Tynan (Eds.), *Learning in Virtual Worlds: Research and Applications*. Edmonton, Canada: Athabasca University Press.

Baker, P.M.A., Breznitz, S., Seavey, A., & Bujak, K.R. (2015). 21st century universities as drivers for innovation: the key facets of learning, research, and collaboration. In U. Hilpert (Ed.), *Handbook On Politics And Technology*. United Kingdom: Taylor & Francis Ltd: Routledge.

Baker, P.M.A. (2013). Attachment, connectivity, and virtual belief communities. In P.M.A. Baker, J. Hanson, & J. Hunsinger, (Eds.) *The Unconnected: Social Justice, Participation and Engagement in the Information Society*. New York, NY: Peter Lang Publishers.

Forman, A.E., Baker, P.M.A., Pater, J., & Smith, K. (2012). The not so level playing field: disability identity and gender representation in Second Life. In C. Livermore (Ed.), *Gender and Social Computing: Interactions, Differences, and Relationships*. Hershey, PA: IGI Global.

Baker, P.M.A., Fairchild, A., & Pater, J. (2012). E-accessibility and municipal wi-fi: exploring a model for inclusivity and implementation. In S. Chhabra (Ed.), *ICTs for Advancing Rural Communities and Human Development: Addressing the Digital Divide* (pp. 109-124). doi:10.4018/978-1-4666-0047-8.ch008

Bricout, J. C., & Baker, P.M.A. (2012). Deploying information and communication technologies (ICT) to enhance participation in local governance for citizens with disabilities. In S. Chhabra (Ed.), *ICTs for Advancing Rural Communities and Human Development: Addressing the Digital Divide* (pp. 91-108). doi:10.4018/978-1-4666-0047-8.ch007

Bricout, J. C., Baker, P.M.A., Ward, A. C., & Moon, N.W. (2011). Teleworking and the disability divide. In International Management Association, USA (Ed.), *Global Business: Concepts, Methodologies, Tools and Applications: Vol. 4*. (pp. 2112-2134). doi:10.4018/978-1-60960-587-2.ch718

Bricout, J.C., Baker, P.M.A., Ward, A.C., & Moon, N.W. (2009). Telework and the disability divide. In E. Ferro, Y.K. Dwivedi, J.R. Gil-Garcia, & M.D. Williams (Eds.), *Handbook of Research on Overcoming Digital Divides: Constructing an Equitable and Competitive Information Society*. Hershey, PA: IGI Global.

Baker, P.M.A., Bell A., & Moon, N.W. (2009). Accessibility issues in municipal wireless networks. In C.G. Reddick (Ed.), *Strategies for Local E-Government Adoption and Implementation: Comparative Studies (Advances in E-Government Research Book Series)*. Hershey, PA: IGI Global.

Baker, P.M.A., and Moon, N.W. (2008). Access barriers to wireless technologies for people with disabilities: issues, opportunities and policy options. In P. Langdon, J. Clarkson, & P. Robinson (Eds.), *Designing Inclusive Futures*. London, United Kingdom: Springer-Verlag.

Baker, P.M.A., & Moon, N.W. (2008). Policy change and the accommodating workplace: issues, barriers and opportunities. In W.C. Mann (Ed.), *Aging, Disability and Independence, Selected*

*Papers from the 4th International Conference on Aging, Disability and Independence*. Fairfax, VA: IOS Press.

Baker, P.M.A. & Ward, A.C. (2006). Telework and people with disabilities: developing the 'e-exclusive' workplace. In A. Anttiroiko, & M. Malkia (Eds.), *Encyclopedia of Digital Government*. Hershey, PA: Idea Group Publishing.

Baker, P.M.A., & Panagopoulos, C. (2003). Political implications of digital government. In G. Garson, G. David, & A. Pavlichev (Eds.), *Digital Government: Principles and Best Practices*. Hershey, PA: Idea Group Publishing.

Baker, P.M.A. (2000). The role of community information in the virtual metropolis: the co-existence of virtual and proximate terrains. In M. Gurstein (Ed.), *Community Informatics: Enabling Communities with Information and Communications Technologies*. Hershey, PA: Idea Group Publishing.

#### D. Edited Proceedings

Baker, P.M.A. (1999, September 25-27). Governance, policy, and wires in the virtual metropolis: policy ramifications of information and communications technologies (ICTs). Published in *Proceedings of the Twenty-Seventh Annual Telecommunications Policy Research Conference*. Alexandria, VA.

Baker, P.M.A. (1998, November 21-23). Revisiting the role of governance in the virtual metropolis. Paper published in *Proceedings of The Fourth Regional Science and Technology Policy Research Symposium: The Knowledge Society, Innovation and Information Region*. Chapel Hill, NC.

Baker, P.M.A. (1996, May 14-17). Community networks and regional development. *Proceedings of Community Networking '96: Bringing People Together*. Taos, NM.

Baker, P.M.A. (1995, August 21). Regional Information Infrastructure Project (RIIP): the development of community information infrastructure through leveraging of community resources. In *Proceedings of Telecommunities '95 - Equity on the Internet. First Annual General Meeting of Telecommunities Canada*. Victoria, BC, Canada.

Horan, T.A., & Baker, P.M.A. (1994). Toward comprehensive APTS evaluations: results of a national workshop. In *proceedings of the IVHS America 1994 4th Annual Meeting*. Atlanta, GA. Washington, DC: IVHS America.

#### E. Conference Presentations

##### E.1. Conference Presentations with Proceedings (refereed)

Baker, P.M.A., Bujak, K.R., & DeMillo, R.A. (2012). The evolving university: disruptive change and institutional innovation. In proceedings of the *4th International Conference on Software Development for Enhancing Accessibility and Fighting Info-exclusion*. Elsevier *Procedia Computer Science*. Vol 14 (pp. 330–335). Porto, Portugal.

Moon, N.W., Baker, P.M.A., & Bricout, J.C. (2010). Collaboration and its centrality to disability policy: an analysis of the ICDR's 2009 call for recommendations on disability research topics. In proceedings of the *RESNA 2010 Annual Conference*. Las Vegas, NV.

Moon, N.W., & Baker, P.M.A. (2010). Reducing barriers to workplace accommodations: insights from a policy delphi study. In proceedings of the *RESNA 2010 Annual Conference*. Las Vegas, NV.

Baker, P.M.A., Fairchild, A., Pater, J., & Seavey, S. (2010, June 17-18). Community, participation and virtual spaces: design considerations for inclusivity. In D. O'Donnell (Ed.), *Proceedings of the 10th European Conference on eGovernment*. University of Limerick, Ireland. Reading, United Kingdom: Academic Publishing Limited.

Baker, P.M.A., Hanson, J., & Belle, A. (2008, May 18-21). Municipal wi-fi and policy implications for people with disabilities. In the proceedings of the *9th Annual International Conference on Digital Government Research (dg.o2008)*, Montreal, Canada.

Baker, P.M.A., Bell, A., & Moon, N.W. (2007, March 19-24). Workplace accommodations: barriers and opportunities for policy change. In proceedings of *California State University's Northridge Center on Disabilities' 22nd Annual International Technology and Persons with Disabilities Conference*, Los Angeles, CA.

Moon, N.W., Baker, P.M.A., & Bell, A. (2007, March). Technological access barriers for people with disabilities: wireless RERC and policy change. In proceedings of the *California State University's Northridge Center on Disabilities' 22nd Annual International Technology and Persons with Disabilities Conference*, Los Angeles, CA.

Baker, P.M.A., & Fairchild, A. (2005). The virtual workspace: telework, disabilities and public policy. In *proceedings of the 5th European Conference on e-Government – 2005*. Reading, England: Academic Conferences International.

Baker, P.M.A., Price, E., & Shackelford, S. (2005, June 25-27). State of mobile wireless technology for persons with disabilities: preliminary conference outcomes. In the *28th Annual RESNA Conference Proceedings*, Atlanta, GA.

Baker, P.M.A., & Bellordre, C. (2004). Adoption of information and communication technologies: key policy issues, barriers and opportunities for people with disabilities. In proceedings of the *37th Annual Hawaii International Conference on System Sciences (HICSS'04)*, Hilton Waikoloa Village, HI. IEEE Computer Society.

## E.2. Conference Presentations with Proceedings (non-refereed)

Baker, P.M.A., Bujak, K.R., DeMillo, R.A., & Sandulli, F. (2012, July 8-12). The Evolving University: Beyond Disruptive Change and Institutional Innovation. Paper presented at the *Future of Universities in a Global Context panel*, IPSA, Madrid, Spain.

## E.3. Conference Presentations without Proceedings

Baker, P.M.A. (2014, May). 21st century universities as innovation nodes: communities of learning, research, and collaboration' presented at the 'digital academe: new business models, analytics and roles' panel, at the *Innovation in Higher Education: Building a Better Future? International Communications Association Preconference*, Seattle, WA.

Baker, P.M.A., Evans, J. & McCook, L. (2013, August) 11-13. Developing internal and external university innovation: a transdisciplinary approach for regional collaboration. Workshop conducted at the *Collaborative Innovation Networks Conference (COINS)*, Santiago de Chile.

Baker, P.M.A., Bujak, K.R., & DeMillo, R.A. (2012, July 19-21). Toward inclusive higher education: innovation, access and institutional change. Presented at the *4th International Conference on Software Development for Enhancing Accessibility and Fighting Info-exclusion*, Porto, Portugal.

Sandulli, F.D., Baker, P.M.A., & López Sánchez, J.I. (2012, July 10-12). The impact on small firms' efficiency of the fit between technological change and skills. Presented at the *Global Innovation and Knowledge Academy (GIKA) Conference: Innovation and Entrepreneurship in Knowledge Industries*, Valencia, Spain.

Baker, P.M.A., & Moon, N.W. (2012, April 26-27). Digital technologies and the employment of americans with disabilities: findings from a focus group study. Presented at the *34<sup>th</sup> NARRTC Conference*, Alexandria, VA.

Baker, P.M.A., & Pater, J. (2011, October 10-13). Social learning, social media, and the aging. Panel presentation at *AOIR12*. Seattle, WA.

Baker, P.M.A., Moon, N.W., Bricout, J., Coughlan, B., & Pater, J. (2011, September 1-4). The persistence of participation: community, disability, and social networks. Presented at the *American Political Science Association Annual Meeting*, Seattle, WA.

White, J., & Baker, P.M.A. (2011, June 5-8). Of ADA Policy, implementation, and municipal compliance. Presented at *RESNA-ICTA FICCDAT 2011*, Toronto, Canada.

Baker, P.M.A., Bricout, J., Moon, N.W., Coughlan, B., & Pater, J. (2011, April 27-28). Social media, participation and e-accessibility. Presented by Paul M.A. Baker at the *NARRTC Annual Conference*, Washington, DC.

Baker, P.M.A., & Pater, J. (2010, October 21-23). The persistence of 'participation': community representation of disability on Facebook. Paper presented at *Internet Research 11.0 Conference Sustainability, Participation, Action*, Gothenburg, Sweden.

Baker, P.M.A., Bricout, J., Moon, N.W., Coughlan, B., & Pater, J. (2010, September 8-10). Ageing of participation: community, work, and social networks. Presented at the *International Conference on Ageing, Disability and Independence*, Newcastle, United Kingdom.

Moon, N.W., & Baker, P.M.A. (2010, September 8-10). Accommodating workers aging into disability: findings from a policy Delphi Study. Presented at the *International Conference on Ageing, Disability and Independence*, Newcastle, United Kingdom.

Baker, P.M.A., Fairchild, A., Pater, J., & Seavey, A. (2010, June 17-18). Community, participation and virtual spaces: design considerations for inclusivity. Presented at the *10<sup>th</sup> European Conference on e-Government, National Centre for Taxation Studies*, University of Limerick, Ireland.

Baker, P.M.A., Sandulli, F.D., Rata, B.M., & López Sánchez, J.I. (2010, June 1-4). Information technology, complementary HRM practices and its effect on the productivity of micro, small and medium enterprises. Presented at *the Conference of the International Network of Business and Management Journals (INBAM): Creativity and Innovation in an International Context*, Valencia, Spain.

Noonan, D.S., Baker, P.M.A., Seavey, A., & Moon, N.W. (2010, May 6-7). Where the cathedrals and bazaars are: an index of open source software activity and potential: open source software activity and potential index. Presented at *JITP 2010 Conference: The Politics of Open Source*, University of Massachusetts, Amherst, MA.

Baker, P.M.A., Bricout, J.C., Hazlett, R., & Moon, N.W. An analysis of responses to the ICDR's 2009 call for recommendations on disability research topics. Presented at the *NARRTC Annual Conference*, Alexandria, VA.

Baker, P.M.A., & White, J. (2010, May 3-4). Results from a DBTAC study on municipal policy compliance with the ADA and the effects on civil participation by citizens with disabilities. Presented at the *NARRTC Annual Conference*, Alexandria, VA.

Baker, P.M.A., Bricout, J.C., Ward, A.C., Cooper, R., & Seavey, A. (2010, May 25). New tools for public participation: web 2.0, new media, and inclusive policymaking. Panel at the *25th Annual International Technology and Persons with Disabilities Conference*, San Diego, CA.

Baker, P.M.A., Tobias, T., Creagan, T., Curtis-Davidson, B. (2010, March 26). Beyond accessible: new digital technologies and the inclusive workplace. Panel at the *25th Annual International Technology and Persons with Disabilities Conference*, San Diego, CA.

Moon, N.W., & Baker, P.M.A. (2010, March 27). Developing inclusive workplace accommodations for people with disabilities: results from policy research. Presented the *25th Annual International Technology and Persons with Disabilities Conference*, San Diego, CA.

Baker, P.M.A. (2009, November 7). Disability policy development, civic participation, and accessibility. Presented at *The 31st Annual APPAM Research Conference*, Washington, DC.

Bricout, J., & Baker, P.M.A. (2009, November 7). Empirically driven policy tools for inclusive e-governance. Presented at *The 31st Annual APPAM Research Conference*, Washington, DC.

Bricout, J., & Baker, P.M.A. (2009, September 21-23). Leveraging online social networks for persons with a disability in emergency communications and recovery. Presented at *Wireless RERC State of Technology Conference on Wireless Emergency Communication*, Atlanta, GA.

Baker, P.M.A., Fairchild, A., & Pater, J. (2009, September 2). Municipal wifi and e-accessibility: the impact of business models on stakeholder inclusion. Presented at *EURO mGOV 2009, the 4th European Conference on Mobile Government*, Barcelona, Spain.

Baker, P.M.A., & Foreman, A.E. (2009, May 21-25). Gender, disability and virtual social networks. Panel paper for the *59th Annual Conference of the International Communication Association: Women in a Digital World: Conceptual Models of Inclusion*, Chicago, IL.

Baker, P.M.A. (2009, May 4-5). Using research evidence to promote universal design in workplace accommodation policies and practices. Presented at the *National Association of Rehabilitation Research Training Centers 2009 Annual Conference*, Arlington, VA.

Baker, P.M.A., & Moon, N.W. (2009, March 16-21). Enhancing policy activities among NIDRR-sponsored projects: developing collaborative policy networks. Presented at the *California State University's Northridge, Center on Disabilities' 24th Annual International Technology and Persons with Disabilities Conference*, Los Angeles, CA.

Baker, P.M.A., & Moon, N.W. (2009, March 16-21). Improving workplace accommodations: initial results of a policy Delphi Study. Presented at the *California State University's Northridge, Center on Disabilities' 24th Annual International Technology and Persons with Disabilities Conference*, Los Angeles, CA.

Baker, P.M.A., Bricout, J., Ward, A.C., & Moon, N.W. (2009, March 16-21). Teleworking, disabilities, and socially inclusive workplaces. Presented at the *California State University's Northridge, Center on Disabilities' 24th Annual International Technology and Persons with Disabilities Conference*, Los Angeles, CA.

Baker, P.M.A., Noonan, D.S., Seavey, A., & Moon, N.W. (2008, November 8). State-level variations in open source policies. Presented at the *Thirtieth Annual APPAM Research Conference*, Wilshire Grand Hotel, Los Angeles, CA.

Baker, P.M.A., & Moon, N.W. (2008, June 26-30). Policy issues and access to wireless technologies: results of a policy Delphi study. Presented at the *RESNA 2008 Annual Conference*, Arlington, VA.

Moon, N.W., & Baker, P.M.A. (2008, June 26-30). Reducing technological access barriers for people with disabilities: developing a collaborative policy network among NIDDR-sponsored projects. Presented at the *RESNA 2008 Annual Conference*, Arlington, VA.

Baker, P.M.A., & Hanson, J. (2008, May 18-21). Municipal wi-fi and policy implications for people with disabilities. Presented at the *9th Annual International Conference on Digital Government Research (dg.o2008)*, Montreal, Canada.

Baker, P.M.A., & Moon, N.W. (2008, April 13-18). Reducing access barriers to wireless technologies for people with disabilities: issues, opportunities and policy options. Paper presented at *CWUAAT 2008: 4th Cambridge Workshop on Universal Access and Assistive Technology*, University of Cambridge, United Kingdom.

Ward, A.C., & Baker, P.M.A. (2008, March 18-23). How philosophy can inform the creation of public policy for workplace accommodations: an essay in applied philosophy. Paper presented at the *American Philosophical Association Pacific Division National Meeting*, Pasadena, CA.

Baker, P.M.A., & Moon, N.W. (2008, February 21-23). Policy change and the accommodating workplace: issues, barriers and opportunities. Paper presented at the *2008 International Conference on Aging, Disability and Independence (ICADI)*, St. Petersburg, FL.

Ward, A.C., & Baker, P.M.A. (2007, October 5-6). Liberty, disabilities and justice in the workplace: how philosophy can inform public policy. Presented at the *2007 Annual Meeting of the Central States Philosophical Association* at Hotel Fort Des Moines, Des Moines, IA.

Baker, P.M.A., & Bell, A. (2007, May 23-24). Accessibility in municipal wireless networks: system implementation, policy, and potential barriers for people with disabilities. Presented at the *ICA Pre-conference Workshop Mobile Communication: Bringing Us Together or Tearing Us Apart?* for the *57th Annual Conference of the International Communication Association*, San Francisco, CA.

Moon, N.W., Baker, P.M.A., & Bell, A. (2007, March 23). Technological access barriers for people with disabilities: Wireless RERC and policy change. Presented at *California State University, Northridge (CSUN) Center on Disabilities' 22nd Annual International Technology and Persons with Disabilities Conference*, Los Angeles, CA.

Baker, P.M.A., Bell, A., & Moon, N.W. (2007, March 23). Workplace accommodations: barriers and opportunities for policy change. Presented at *California State University, Northridge (CSUN) Center on Disabilities' 22nd Annual International Technology and Persons with Disabilities Conference*, Los Angeles, CA.

Baker, P.M.A., Williams, M.D., Moon, N.W., & Roy, R.G.B. (2006, August 31 - September 3). (e)Voting for people with disabilities and the aging: a survey of technological, social and process barriers to participation. Presented by Paul M.A. Baker at the *Annual Meeting of the American Political Science Association*, Philadelphia, PA.

Roy, R.G.B., Baker, P.M.A., & Kaplan, S.A. (2006, March 20-25). Disabilities, (e)voting and access: a survey of voter satisfaction. Presented at *California State University, Northridge (CSUN) Center on Disabilities' 21st Annual International Technology and Persons with Disabilities Conference*, Los Angeles, CA.

Head, L., Baker, P.M.A., & Bagwell, B. (2006, March 20-25). Workplace accommodations for older workers: an examination of employer practice. Presented at *California State University, Northridge (CSUN) Center on Disabilities' 21st Annual International Technology and Persons with Disabilities Conference*, Los Angeles, CA.

Baker, P.M.A., Moon, N.W., & Bakowski, A. (2006, March 20-25). Increasing access to wireless technologies: results of a policy Delphi study. Presented at *California State University, Northridge (CSUN) Center on Disabilities' 21st Annual International Technology and Persons with Disabilities Conference*, Los Angeles, CA.

Baker, P.M.A. (2006, March 16-19). Accommodating the aging worker: technology, policy, and universal design in the workplace. Presented at the *National Council on the Aging (NCOA) and the American Society on Aging (ASA) Joint Conference: Invest in Aging*, Anaheim, CA.

Head, L., Baker, P.M.A., & Bagwell, B. (2006, February). Aging and the accommodating workplace: policy implications of employer practice. Presented at the *International Conference on Aging, Disability and Independence*, St. Petersburg, FL.

Head, L., Baker, P.M.A., & Bagwell, B. (2006, February). Workplace accommodation policy and older workers. Presented at the *International Conference on Aging, Disability and Independence*, St. Petersburg, FL.

Baker, P.M.A., & Roy, R.G.B. (2005, November 3-5). Getting out the vote: assessing technological, social and process barriers to voting for people with disabilities. Presented at *APPAM Fall Conference*, Washington, DC.

Head, L., Bagwell, B., & Baker, P.M.A. (2005, September 14-15). Aging and the accommodating workplace: a survey of employer practice. Paper presented at the *Workplace RERC State of the Science Conference*, Atlanta, GA.

Baker, P.M.A., & Ward, A.C. (2005, September 14-15). Virtual exclusion and the teleworker. Paper presented at the *Workplace RERC State of the Science Conference*, Atlanta, GA.

Baker, P.M.A., Price, E., & Shackelford, S. (2005, June 25-27). State of mobile wireless technology for persons with disabilities. Presented at *RESNA 2005*, Atlanta, GA.

Mitchell, H., Baker, P.M.A., & Bakowsky, A. (2005, June 25-27). Wireless technologies and people with disabilities: a policy status report. Presented at *RESNA 2005*, Atlanta, GA.

Baker, P.M.A., & Fairchild, A. (2005, June 16-17). The virtual workspace: telework, disabilities and public policy. Presented at the *5th European Conference on e-Government*, University of Antwerp, Antwerpen, Belgium.

Baker, P.M.A., & Mitchell, H. (2005, June 16-17). The U.S. wireless policy landscape in the disabilities context. Presented at the *5th European Conference on e-Government*, University of Antwerp, Antwerpen, Belgium.

Head, L., & Baker, P.M.A. (2005, March 14-19). Workplace accommodations and ADA Title1: policy and the metrics of 'reasonable'. Presented at *CSUN's 20th Annual, International Conference: Technology and Persons with Disabilities*, Los Angeles, CA.

Baker, P.M.A. (2004, October 30). New policy tools: using policy Delphi method to craft disability policy to increase access to wireless/communication devices. Presented at the *26th Annual Association for Public Policy Analysis and Management (APPAM) Research Conference*, Atlanta, GA.

Baker, P.M.A. (2004, June 22). Communication and technology policy for people with disabilities: designing approaches to increase use. Presented at *RESNA 2004 Annual Conference*, Orlando, FL.

Baker, P.M.A., & Ward, A.C. (2004, March 15-20). Toward development of the accommodating workplace: key technological and policy issues. Presented at *CSUN's 19th Annual, International Conference: Technology and Persons with Disabilities*, Los Angeles, CA.

Baker, P.M.A., & Bellordre, C. (2004, January 5-8). Adoption of Information and Communication Technologies: key policy issues, barriers and opportunities for people with disabilities. Presented at the *Thirty-Seventh Hawaii International Conference on System Sciences (HICSS-37)*, Hilton Waikoloa Village, Big Island, HI.

Baker, P.M.A., & Ward, A.C. (2003, November 13-15). Strategies for workplace disability integration. presented at the *Georgia Political Science Association Convention: Consequences of Institutions and Cultures*, Pine Mountain, GA.

Baker, P.M.A. (2003, November 6-8). Technological and policy factors influencing adoption of communication technologies by people with disabilities. Presented at the *Twenty-Fifth Annual Association for Public Policy Analysis and Management (APPAM) Research Conference*, Washington, DC.

Baker, P.M.A., & Panagopoulos, C. (2003, August 20-31). Great expectations: the promise of digital government in the American states. Presented at the *Annual Meeting of the American Political Science Association*, Philadelphia, PA.

Baker, P.M.A. (2003, June 19-23). Accessibility and wireless technologies: policy and regulatory considerations. Policy workshop moderator at *RESNA 2003 Annual Conference*, Atlanta, Georgia.

Ward, A.C., & Baker, P.M.A. (2003, June 27-29). Strategies for workplace disability integration: a new model of universal access. Presented at *Transvision 2003: Transhumanism and Bioethics in the 21st Century*, New Haven, CT.

Baker, P.M.A. (2003, March 17-22). Technology policy assessment to assist people with disabilities. Presented at *CSUN's 18th Annual, International Conference: Technology and Persons with Disabilities*, Los Angeles, CA.

Baker, P.M.A. (2002, September 29-October 2). Cutting edge research in mobile wireless technologies for persons with disabilities. Panelist and Chair at the *2002 ViTrec/GCATT Technology Partnerships Conference and Exhibition*, Atlanta, GA.

Baker, P.M.A. (2002, August 29). Developing policy frameworks for evaluation of inclusive technologies. Presented at *American Political Science Association Annual Conference*, Boston, MA.

Baker, P.M.A. (2002, June 18-21). Adoption of ICTs and wireless technologies: key issues, barriers and opportunities facing people with disabilities. Presented at *INET 2002: Internet Crossroads: Where Technology and Policy Intersect*, Crystal Gateway Marriott, Arlington, VA.

Baker, P.M.A., Akridge, S., Christensen, J.J., & Keck, R. (2002, March 23-26). Policy perspectives on government use of citizen data part 1: definitions and parameters. Presented at the *63rd Annual Conference, American Society of Public Administration*, Phoenix, AZ.

Baker, P.M.A. (2002, February 15-16). Government collection and use of citizen information. presented at the *New Directions in Internet Policy Workshop, IP3 Project*, Georgia Institute of Technology, Atlanta, GA.

Crampton, J.W., & Baker, P.M.A. (2002, March 19-23). GIS analysis of the digital divide cybergeography 1: The Changing Meaning of Space. Presented at *the American Association of Geographers Annual Meeting*, Los Angeles, CA.

Baker, P.M.A. (2001, March 12). The multiple roles for information technology in government. Panel convener at the *62nd Annual Conference, American Society of Public Administration*, Newark, NJ.

Baker, P.M.A. (2000, November 9-11). Virtual engagement, vs. real engagement, does a head in space need feet on the ground? Presented at *Wired For Engagement: Using New Technology to Build Community the National Civic League, 106<sup>th</sup> National Conference on Government*, Crystal City, VA.

Baker, P.M.A., & O'Neil, D. (2000 November 2-4). Assessment and evaluation in community information infrastructures: implementing DeKalb County's Family Technology Resource Centers. Presented at the *Association for Public Policy Analysis and Management Fall Conference*, Seattle, WA.

Baker, P.M.A. (2000, August 31-September 3). Assessing information networking for communities, non-profits, and local governments. Presented at the *American Political Science Association Annual Conference*, Washington, DC.

Baker, P.M.A., & Ward, A.C. (2000, June 16-18). Workshop presentation: assessment of community-level use of information technologies: developing tools for evaluating efficacy. Presented at *Exploring the Social and Economic Challenges to Community-Based Research: Third Annual Community Research Network Conference*, Atlanta, GA.

Baker, P.M.A. (2000, April 27-30). Governance, policy, and wires in the virtual metropolis: policy ramifications of information and communications technologies (ICTs). Presented at the *Midwest Political Science Association, 58th Annual National Convention*, Chicago, IL.

Baker, P.M.A., & Ward, A.C. (2000, April 27-29). Dynamics and change in information communities: the nexus of virtual and proximate. Presented at *Symposium: Cities, Citizens and Citizenship in the Globalized Society, Grupo de Estudios Alternativos/bordes*, San Juan, Puerto Rico.

Baker, P.M.A. (2000, April 1-5). Information and communication technologies (ICTs) & public policy: participatory government or cynical manipulation of the polity? Presented at *Visions 2000, 61st Annual Conference, American Society of Public Administration*, San Diego, CA.

Baker, P.M.A. (2000, April 1-5). Citizens & customers: challenges for service delivery & citizen participation. Panel moderator at *Visions 2000, 61st Annual Conference, American Society of Public Administration*, San Diego, CA.

Baker, P.M.A. (1999, September 25-27). Policy, and wires in the virtual metropolis: policy ramifications of information and communications technologies (ICTs). Presented at the *27th Annual Telecommunications Policy Research Conference*, Alexandria, VA.

Baker, P.M.A. (1999, September). Governance, policy and place in an age of technologically mediated interaction. Presented at the *Annual Meeting of the APSA*, Atlanta, GA.

Baker, P.M.A. (1999, July 5-7). The virtual metropolis: instrumenting policy with social research. Presented at *Exploring Cyber Society Conference School of Social, Political and Economic Sciences*, University of Northumbria, Newcastle, United Kingdom.

Baker, P.M.A. (1999, April, 10-13). Web-based information systems in local government: useful tools or flashy trends? Presented at *ASPA Annual Conference*, Orlando, FL.

Baker, P.M.A. (1998, November 21-23). Revisiting the role of governance in the virtual metropolis. Presented at *The Fourth Regional Science and Technology Policy Research Symposium: The Knowledge Society, Innovation and Information Regions*. Chapel Hill Sheraton, Chapel Hill, NC.

Baker, P.M.A. (1998, September 3-6). Community in the virtual metropolis. Presented at the *Annual Meeting of the American Political Science Association*, Boston, MA.

Baker, P.M.A. (1998, June 25-27). Once we're wired, can we stand it: the use of technology in improving citizen participation in government. Presented at the *ASPA Regions III/IV Conference: NextWork - Public Administration in the 21st Century*, Fairfax, VA.

Baker, P.M.A. (1998, March 22). Mapping information communities in the virtual metropolis: do wires a community make? Presented at *Telecommunications and The City Conference*, Athens, GA.

Baker, P.M.A. (1997, August 28-31). New approaches to local governance: policy innovation and municipal information networks. Presented at the *Annual Meeting of the American Political Science Association*, Sheraton Washington Hotel, Washington, DC.

Baker, P.M.A. (1997, July 26-30). Municipal information networks and the delivery of services: innovation and local government policymaking. Presented at *American Society of Public Administration Annual Conference*, Philadelphia, PA.

Baker, P.M.A. (1995, December 11-14). Regional information infrastructures - The Potomac KnowledgeWay. Presented at *Civic Networking Workshop at the 4th International WWW Conference*, Boston, MA.

Baker, P.M.A. (1995, August 21). Building community networks. Presented at *Telecommunities '95 Equity on the Internet: 1st Annual General Meeting of Telecommunities*, Victoria, B.C., Canada.

Baker, P.M.A. (1994, December 5). Public acceptance of automated highway systems. Presented at *First Annual Conference - Intelligent Transportation Systems for Virginia*, Tysons Corner, VA.

## F. Other

### F.1. Refereed Research Reports

White, J.D. (PI), & Baker, P.M.A (Co PI). (2011, October). *The power of digital inclusion: technology's impact on employment and opportunities for people with disabilities*. National Council on Disability (NCD). retrieved from <http://www.ncd.gov/publications/2011/oct042011>

### F.2. Research Project Final Reports

Project Director, (March 2012). Center for Advanced Communications Policy (CACP), and Center for 21st Century Universities (C21U). *Development of Virtual Communities of Practice to Support Programmatic Efforts within University Systems*. Atlanta, Georgia: Office of Educational Access and Success (OEAS), University System of Georgia (USG), and Georgia Institute of Technology.

Project Director, (March 2012). Center for 21st Century Universities (C21U), and Center for Advanced Communications Policy (CACP). *A Review of State-Level Programs to Enhance Postsecondary STEM Education in the United States*. Atlanta, Georgia: Office of Educational Access and Success (OEAS), University System of Georgia (USG), and Georgia Institute of Technology.

Bricout, J.C., Baker, P.M.A., Hazlett, R., & Moon, N.W. (2009). *Analysis of Responses to the ICDR's 2009 Call for Recommendations on Emerging Disability Research Topics: The Central Role of Collaboration in Advancing a New Policy Agenda*. Research brief for Wireless RERC, Workplace accommodations RERC and University of Central Florida.

White, J., Baker, P.M.A., & Bellamy, B. (2009). *A Comparative Study of the Outsourcing of Municipal Services in the United States*. Center for Innovation in Local Government, Center for Advanced Communication Policy, Atlanta, GA.

Baker, P.M.A., & Noonan, D.S., Seavey, A., & Moon, N.W. (2009). *State-Level Variations in Open Source Policies (Working Paper #49)*. School of Public Policy, Georgia Institute of Technology, Atlanta, Georgia. Retrieved from <http://www.spp.gatech.edu/faculty/readabstract.php?abstract=49>

Baker, P.M.A., Dickson, A.C., & Moon, N.W. (2008, January). *Collaborative Policy Networks: Coordinating Disability and Technology Policy (Working Paper #01.10.08)*. Center for Advanced Communications Policy (CACP), Wireless RERC, Workplace Accommodations RERC. Atlanta, GA.

Baker, P.M.A., Moon, N.W., & Bakowski, A. (2007, July). *Access to Wireless Technologies for People with Disabilities: Issues, Opportunities and Policy Options: Findings of a Policy Delphi*. Wireless RERC Technical Paper. Wireless RERC /Center for Advanced Communications Policy (CACP), Georgia Institute of Technology, Atlanta, Georgia.

Bakowski, A., Baker, P.M.A., Mitchell, H., Bankoff, J., & Greene, T. (2005, June 28). *Final Report: City of Atlanta Telecommunications Policy Advisory Committee, Subcommittee on New Technologies*. Atlanta, GA: GCATT/Georgia Institute of Technology.

Mitchell, H., Baker, P.M.A., & Bakowski, A. (2005). *U.S. Wireless Policy And People With Disabilities: A Status Report (OTP Policy Study No. 90104)*. Prepared for the European Commission, Information Society DG, Elderly and People with Disabilities Unit, Wireless RERC and GCATT, Atlanta GA.

Baker, P.M.A. (Ed.). (2003, August). *Adoption of Wireless Technologies: Key Issues, Barriers and Opportunities for People with Disabilities*. Georgia Centers for Advanced Telecommunications Technology, Atlanta, GA.

Baker, P.M.A. (2003, August). *Policy and Regulatory Assessment*. Rehabilitation Engineering Research Center on Mobile Wireless Technologies for Persons with Disabilities, Atlanta, GA.

Baker, P.M.A. (2003, April). *Municipal Advanced Telecommunication Infrastructure Project (MuniTIP) (PPS No. 50103)*. Georgia Centers for Advanced Telecommunications Technology, Atlanta, GA.

Baker, P.M.A., Akridge, S., Christensen, J., & Keck, R. (2002, January). *Policy Perspectives on Government Use of Citizen Data Part 1: Definitions and Parameters (OTP Policy Paper Series, Topic No. 10102)*. Atlanta, GA: Georgia Centers for Advanced Telecommunications Technology.

Baker, P.M.A. (2000, December). Project Director for *DigitalGeorgia: A White Paper on Information and Communication Technology in Georgia*. Prepared for the Office of the Governor. Atlanta, GA: Georgia Centers for Advanced Telecommunications Technology.

Klein, H.K., Baker, P.M.A., & Stough, R.R. (1996). *NAHSC Key Messages Focus Group Project: Final Report for the National Automated Highway System Consortium (NAHSC)*. Center for Regional Analysis, The Institute of Public Policy, George Mason University, Fairfax, VA.

Riggle, J.D., Stough, R.R., & Baker, P.M.A. (1995). *Final Report to the Task Force on Information and Communication Technologies, Alexandria, VA: Focus Groups on Community Public Access Computer Networks*. School of Public Policy, George Mason University, Fairfax, VA.

Hennessey, J.T., Mahler, J., & Baker, P.M.A. (1994). *Report to the Commissioner, US Customs Service, on the Internal Customer Service Survey*. George Mason University, Fairfax, VA.

Baker, P.M.A. (1986-1988). *Real Estate Market Review*. Fairfax County Economic Development Authority, Fairfax, VA.

Baker, P.M.A. (1984). *Draft EIS, The Eradication of Cannabis on Federal Lands in the Continental U.S.* U.S. Drug Enforcement Administration, Washington, DC.

Baker, P.M.A. (1982). *Interstate Route 370 Final EIS*. Maryland State Highway Admin., Baltimore, MD.

Baker, P.M.A. (1982). *Legislative EIS, M-X Closely Spaced Basing*. U.S. Air Force, Norton AFB, CA.

Baker, P.M.A. (1981). *M-X Environmental Technical Report: Aquatic Habitats, PFEIS*. U.S. Air Force, Norton AFB, CA.

### F.3. Newsletters

*Telecom/IT Policy Highlights*. Center for Advanced Communications Policy, 10 issues per year, Senior Editor, 2000-2009.

*Technology and Disability Policy Highlights*. Center for Advanced Communications Policy and Wireless RERC, 10 issues per year, Senior Editor, 2000-2010.

## G. Research Proposals and Grants (Principal Investigator)

### G.1. Approved and Funded

“Research and Policy Development for the National Employer Policy.” 2014-2015. Viscardi Center.” \$146,191. CoPI. James White, PI.

“USG New Business Model Workshop.” 2015. University System of Georgia, \$23,163.

“USG Partnership for Learning Models.” 2013-2014. University System of Georgia, \$40,000.

“Georgia Tech Massive Open Online Course Development.” 2012-2013. Bill and Melinda Gates Foundation Grant, \$149, 856. With Richard Catrambone, Rebecca Burnett, Karen Head, and Mike Schatz.

“The Community College Open Learning Initiative.” 2012. Carnegie Mellon University, \$22,591.

“USG Complete College Georgia Research Support.” 2012-2014. University System of Georgia, \$79,700.

“Stem II Initiative Coordinator.” 2011-2012. University System of Georgia, \$62,500.

“Phase II External Evaluation of USG Stem Initiative (STEM 1&2).” 2011-2012. University System of Georgia, \$40,000.

“Board of Regents, Office of Educator Preparation, Innovation and Research, Service Support.” 2010-2012. University System of Georgia, \$150,000.

“USG STEM Initiative: Policy and Programmatic Support Project (PPSP).” 2010-2011. University System of Georgia, \$80,000.

“External Evaluation of USG Stem Initiative.” 2010-2011. University System of Georgia, \$50,000.

“The Prospect of Digital Inclusion: Technology’s Impact on Employment and the Opportunities for People with Disabilities.” 2009-2010. National Council of Disabilities. CoPI, James White, PI. \$150,000.

Reason Foundation Grant on Municipal Outsourcing.” 2008-2010. CoPI, James White, PI \$75,000.

“Sec. 255/508 Compliance Analysis.” 2009. Microsoft Corp. Contract. CoPI, Ed Price, PI. \$37,000.

“Red Hat Open Source Software Study/Barrier and Opportunity Analysis.” 2007-2008. With Douglas Noonan. Red Hat research contract, \$44,553.

“Accessible Virtual Governance.” 2009. European Union Center of Excellence at Georgia Tech (EUCE) Grant, \$3,300.

## H. Research Proposals and Grants (Contributor)

### H.1. Approved and Funded

Project Director. “Jobs and Innovation Accelerator Challenge (ETA).” 2011. US Department of Labor/Employment & Training Administration, C21U, \$25,000.

Project Director. “Southeast Disability and Business Technical Assistance Center.” 2006-2011. Syracuse University, subcontract, CACP, \$131,547.

Project Director. “Wireless Rehabilitation Engineering Research.” 2002-2011. US Department of Education/General. #H133E060061. CACP, \$375,492.07.

“Rehabilitation Engineering Research Center on Workplace Accommodations.” US Department of Education/General. #H133E070026. CACP Project Director, \$220,389, 2007-2012.

Project Director. “Rehabilitation Engineering Research Center on Workplace Accommodations (# H133E020720).” 2002-2007. US Department of Education/General. CACP, \$256,718.

## I. Research Honors and Awards

Ivan Allen College Gold Star Award 2011: “in recognition of highest level of accomplishment in research.”

Excellence in Research Award from the InfoSci-Journals group (2012). This award recognized the best articles from the IGI Global's journal collection for the 2011 volume year. Published in the *International Journal of E-Politics (IJEP)*, the article was titled "Beautiful to Me: Identity, Disability, and Gender in Virtual Environments" and was co-written with Jessica Pater, graduate student in the School of Interactive Computing, Abbe Forman of Temple University, and Kel Smith of Anikto LLC.

## III. SERVICE

### A. Professional Activities

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

LoudCloud Systems, Product Advisory Council, June 2014 – present.

Program Committee Member: CSEDU 2014, the International Conference on Computer Supported Education, Barcelona, Spain, April 1-3, 2014.

Research Committee selection panel, International Political Science Association, 2012-Present.

Program Committee Member, International Conference on Weblogs and Social Media (ICWSM), 2013.

Industrial Design Program Advisory Board, Iowa State University, 2013-Present.

Chair, Government Affairs Committee, Rehabilitation Engineering Society of North America (RESNA), 2009-2012.

Member, Executive Committee, NARRTC (formerly, National Association of Rehabilitation Research Training Centers), 2010-2012.

Member, Disability and Rehabilitation Research Coalition (DRRC), 2009-2012.

Member, American Institute of Certified Planners (AICP), 1995-2009.

National Secretary, Computer Professionals for Social Responsibility (CPSR), 1998-1999.

Selection and Semi Final Judge of Government and - Public Access Categories, Global Information Infrastructure (NII) Awards, 1996, 1997.

Council for Urban Economic Development Vice President, Virginia Chapter, 1989.

Advisory Council, Organizational Leadership Program, Mercer University, 2000-2002.

Academic Affairs, School of Public Policy, George Mason University, 1998-1989.

Advisory Council, Organizational Leadership Program, Mercer University, 2000-2002.

Academic Affairs, School of Public Policy, George Mason University, 1998-1989.

Member: American Political Science Association; Association for Public Policy Analysis and Management (APPAM); Association of Internet Researchers, International Communications Association, (Intermittently).

## B. On-Campus Georgia Tech Committees

Teaching and Learning Advisory Committee Meeting, under Strategic Technology Investment Committee (STIC). Voting member, 2014-Present.

Georgia Institute of Technology Fire Proposal Reviewer, 2012, 2013.

Faculty Advisor, Georgia Institute of Technology Equestrian Club, 2002-2009.

Faculty Advisor, Georgia Institute of Technology Young Democrats, 2000-2002.

Undergraduate Committee, School of Public Policy, Georgia Institute of Technology, 2000-2001.

Graduate Committee, School of Public Policy, Georgia Institute of Technology, 1999-2000.

## C. External Member of Ph.D. Examining Committees

External Member of Ph.D. Examining Committee: Flowers, J., Georgia State University, 2014-2015

External Member of Ph.D. Research Committee, Shane Lowe, National University of Ireland, Galway, Ph.D., Electrical and Electronics Engineering, 2012.

External Member of Ph.D. Examining Committee: Mamoon Allaf, Ph.D. Public Affairs, University of Central Florida, 2012.

#### D. Consulting and Advisory Appointments

Institute for the Future, Palo Alto, Strategy Workshop on Future Directions in Higher Education, for the Government of Malaysia, 2013.

Member, ADA Impact Study Blue Ribbon Panel for the report: *The Impact of the Americans with Disabilities Act: Assessing the Progress Toward Achieving the Goals of the Americans with Disabilities Act*. Washington D.C.: National Council of Disabilities, 2006-2007.

#### E. Research Project Reviewer

External Reviewer, "First in The World" Competition. US Department of Education, 2014.

External Reviewer, "The Future of Learning, Knowledge and Skills." Academy of Finland, (TULOS), 2013.

Proposal Reviewer, NARRTC Conference, 2010-2013.

Conference Proposal Reviewer, Rehabilitation Engineering Research Society of North America (RESNA), 2008-2012.

Israel Science Foundation, 2006.

Grant Proposal Reviewer, Technology Opportunities Program. (NTIA), US Department of Commerce, 1999-2001.

#### F. Civic Activities

Board of Trustees of the Friends Publishing Corporation, Philadelphia, PA, 2010-Present.

President, Yorkshire Townhomes Community Association, Atlanta, GA, 2002-2006.

Consumer Affairs Commission, City of Alexandria, VA, 1990-1992.

Environmental Planning Commission, City of Alexandria, VA, 1982-1985.

### **IV. NATIONAL AND INTERNATIONAL PROFESSIONAL RECOGNITION**

#### A. Invited Conference Session Chairmanships

12th European Conference on e-Government (ECEG), 2012.

22nd International Political Science Association (IPSA) World Congress, Madrid, Spain, 2012.

11th European Conference on e-Government (ECEG), 2011.

#### B. Professional Registration

Member, American Institute of Certified Planners (AICP), 1995-2009.

#### C. Editorial and Reviewer Work for Technical Journals and Publishers

Editor, Special Issue on Emergency Communications and Alerting (2010), *International Journal of Emergency Management*.

Editor, Special Policy and Law Issue (2008), *Assistive Technology* (with Peter Blanck and Kevin Caves).

Reviewer: *State and Local Government Review*, *International Journal of Public Sector Management (IJPSM)*, *Information, Communication, and Society*, *Universal Access in the Information Society*, *Electronic Journal of Sociology*, *International Journal of Cases on Electronic Commerce (IJCEC)*, *Hawaii International Conference on Systems Sciences (HICSS-38) Conference*, *International Journal of Electronic Government Research*, *Information, Communication and Society*, and *First Monday*.

Current Editorial Board Memberships, *Assistive Technology Journal*, *International Journal of Cases on Electronic Commerce (IJCEC)*, *Journal of Information Technology & Politics*, *International Journal of Work Innovation*, *Journal of Community Informatics*, *International Journal of E-Adoption (IJEA)*, *International Journal of E-Planning Research (IJEPR)*, and the *Journal of Disability Policy Studies*.

#### D. Regulatory Filings

Baker, P.M.A., & Michael Madaio. (2014, March 7) Comments filed in response to the Office of Science and Technology Policy's Notice of Request for Information (RFI) requesting public comments to inform its policy development related to high-impact learning technologies. *Federal Register* Vol. 79, Number 8 (Monday, January 13, 2014) pp. 2201-2204. Washington, DC.

Baker, P.M.A. (2014, January 31). Flexible Educational Spending Account (FESA) in response to the Department of Education's Notice Inviting Suggestions for New Experiments for the Experimental Sites Initiative; Federal Student Financial Assistance Programs Under Title IV of the Higher Education Act of 1965, as Amended. *Federal Register*, 78(235) pp. 73518-73519.

Mitchell, H., Price, E., Baker, P.M.A., LaForce, S., & Morris, J. (2011, March 25). *Comments of the Rehabilitation Engineering Research Center for Wireless Technologies on the Notice of Proposed Rulemaking In The Matter of Implementation of Sections 716 and 717 of the Communications Act of 1934, as Enacted by the Twenty-First Century Communications and Video Accessibility Act of 2010 [CG Docket No. 10-213] Amendments to the Commission's Rules Implementing Sections 255 and 251(a)(2) of the Communications Act of 1934, as Enacted by the Telecommunications Act of 1996 [WT Docket No. 96-198] In the Matter of Accessible Mobile Phone Options for People who are Blind, Deaf-Blind, or Have Low Vision [CG Docket No. 10-145]*. Federal Communications Commission: Washington, DC.

Yancey, L., Mitchell, H., Baker, P.M.A., Price, E., Lucia, F., & LaForce, S. (2009, June 8). Comments filed by the Wireless RERC and CACP *In the Matter of A National Broadband Plan for Our Future* (GN Docket No. 09-51). Federal Communications Commission: Washington, DC.

Baker, P.M.A., Price, E., Lippincott, B., Mueller, J., Broderick, L., & Mitchell, H. (2007, December 20). *Comments filed by the Wireless RERC in response to In the Matter of Amendment of the Commission's Rules Governing Hearing Aid-Compatible Mobile Handsets (WT Docket No. 07-250)*. Federal Communications Commission: Washington, DC.

Baker, P.M.A., Price, E., & Mitchell, H. (2007, May 16). *Comments filed by the Wireless RERC in response to Inquiry Concerning the Deployment of Advanced Telecommunications Capability to All Americans in a Reasonable and Timely Fashion, and Possible Steps to Accelerate Such Deployment Pursuant to Section 706 of the Telecommunications Act of 1996, GN Docket No. 07-45*. Federal Communications Commission: Washington, DC.

Mitchell, H., Yancey, L., & Baker, P.M.A. (2007, June 23). *Comments filed by the Wireless RERC in response to Service Rules for the 698-746, 747-762 and 777-792 MHz Bands (WT Docket No. 06-150); Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems (CC Docket No. 94-102); Section 68.4(a) of the Commission's Rules Governing Hearing Aid-Compatible Telephones (WT Docket No. 01-309); Biennial Regulatory Review – Amendment of Parts 1, 22, 24, 27 and 90 to Streamline and Harmonize Various Rules Affecting Wireless Radio Services (WT Docket No. 03-264); Former Nextel Communications, Inc. Upper 700 MHz Guard Band Licenses and Revisions to Part 27 of the Commission's Rules (WT Docket No. 06-169); Implementing a Nationwide, Broadband, Interoperable Public Safety Network in the 700 MHz Band (PS Docket No. 06-229)*. Federal Communications Commission: Washington, DC.

Mitchell, H., Yancey, L., & Baker, P.M.A. (2006, November 29). *Comments filed by the Wireless RERC in response to In the Matter of Proceeding RM-11348 Reallocation of 30 MHz of 700 MHz Spectrum (747-762/777-792 MHz) From Commercial Use Assignment of 30 MHz of 700 MHz Spectrum (747-762/777-792 MHz) To the Public Safety Broadband Trust for Deployment of a Shared Public Safety/Commercial Next Generation Wireless Network (Proceeding RM-11348)*. Federal Communications Commission: Washington, DC.

Mitchell, H., Baker, P.M.A., Price, E., & Bakowski, A. (2004, October 29). *Comments filed by the Wireless RERC in response to Review of the Emergency Alert System, (EB Docket No. 04-296)*. Federal Communications Commission: Washington, DC.

Mitchell, H., & Baker, P.M.A. (2003, October 9). *Reply Comments filed by the Wireless RERC in response to Telecommunications Relay Service and Speech-to-Speech Services for Individuals with Hearing and Speech Disabilities, CC Docket No. 98-67, Americans with Disabilities Act of 1990, CG Docket No. 03-123*. Federal Communications Commission: Washington, DC.

## E. Regulatory Testimony

Moon, N.W., & Baker, P.M.A. (2010, September 30). Regarding Improving the Accessibility of Government Information Testimony for the Public Forum on Information Technology in the Federal Sector, US Access Board, Chicago, IL.

## V. OTHER CONTRIBUTIONS

### A. Seminar Presentations (Invited Presentations/Talks at Meetings and Symposia)

Baker, P.M.A and Roach, A.T. (2015, May 26). *Universally Designed Faith Communities: The Intersection of Technology and Religion*. Invited presentation to the Summer Institute on Theology and Disability, Georgia State University, Atlanta, Georgia.

Baker, P.M.A. (2015, May 9). *On Policy & Wearable Computing*. Invited speaker to the Symposium on Design & Wearable Technology, Georgia Tech Wearable School of Industrial Design and the Interactive Product Design Lab, Atlanta, Georgia.

Baker, P.M.A. (2014, November 11). "Reflections on Wearable Computing: (the) Play is the Thing" presented for "Wearable Technology Panel" at the Georgia Tech Wearable Computing Center Forum 2014, Atlanta, Georgia.

Baker, P.M.A. (2013, December 5). *21st Century Universities in the Global Landscape of Higher Education*. Presented for the Program Implementation and New Avenues panel at the American Higher Education in Changing Global Economy forum, hosted by Metro Atlanta Chamber of Commerce, Georgia Tech CIBER, and the US India Business Summit, Atlanta, GA.

Baker, P.M.A. (2013, July 17). *Innovation, Technology and Higher Education*. Invited speaker to the Chattanooga Technology Council, Chattanooga, TN.

Baker, P.M.A. (2013, March 14-15). Invited participant to the *Institute for the Future (ITF) Future of Learning Conference*, Palo Alto, CA.

Baker, P.M.A., & White, J. (2012, April 27). *Power of Digital Inclusion: Tech's Impact on Employment for People with Disabilities*. Invited presentation at the United Cerebral Palsy Annual Conference, Washington, DC.

Baker, P.M.A. (2011, March 24). *Engaged Aging: Policy and Perspectives and Technological Approaches*. Invited presentation at the Research Centre for Education and Professional Practice (RCEPP), University of Limerick, Limerick, Ireland.

Baker, P.M.A. (2010, July 25-27). Invited participant at the National Council on Disability's National Summit on Disability Policy: ADA 1990-2010 Retrospective and Future Policy Directions, Washington, DC.

Baker, P.M.A. (2009, November 12). Future Media Panel moderator for the Georgia Tech Legislative Roundtable, Atlanta, GA.

Baker, P.M.A. (2009, September 29). *Social Networking and the Public Sector: Issues, Barriers and Opportunities*. Panel presentation at the Georgia Digital Government Summit, Atlanta, GA.

Baker, P.M.A. (2007, October 11-12). *IT Workforce - Now & Tomorrow*. Panelist at the Georgia Digital Technology Summit, Atlanta, GA.

Baker, P.M.A. (2007, April 16). *Planning the Accessible Community*. Panel moderator at the American Planning Association's 2007 National Planning Conference, Philadelphia, PA.

Baker, P.M.A. (2007, February 9). *(Re) Constructing the Urban Public Space: A Panel Dialogue*. Panel moderator at Savannah College of Art and Design's 5<sup>th</sup> Biennial Symposium: Building in the Public Realm, Savannah, GA.

Baker, P.M.A. (2006, November 2-4). Information Technology, Collaboration and Service Delivery. Discussant at the *28th Annual APPAM Research Conference*, Madison, WI.

Baker, P.M.A. (2006, August 8-9). *Building the Next Workforce*. Invited participant at the Southern Growth Policies Board Retreat, Research Triangle Park, NC.

Baker, P.M.A., Peiffer, J., & Price, E. (2006, April 26). *Mobile Education and Access for Students with Disabilities*. Webcast for The National Center on Disability and Access to Education (NCDAE), Washington, DC.

Baker, P.M.A. (2006, April 22-26). *Planning Socially Inclusive, Accessible Communities*. Panel moderator at the American Planning Association's 2006 National Planning Conference, San Antonio, TX.

Baker, P.M.A., Ward, A.C., & Head, L. (2005, November 3-5). *Telework and the Virtual Workplace: The Ins and Outs of Technological Employment Accommodations*. Poster presented at the 2005 APPAM Fall Conference, Washington, DC.

Baker, P.M.A. (2005, March 18). *The Rush to Voting Technology: A Forum on the Impacts to Disability Access*. Panelist at the CSUN Annual Conference on Technology and Disability, Los Angeles, CA.

Baker, P.M.A. (2004, October 30). *Information and Telecommunications Policy*. Panel discussant at the 26th Annual Association for Public Policy Analysis and Management (APPAM) Research Conference, Atlanta, GA.

Baker, P.M.A. (2003, November 19). Legal and IT Issues for Electronic Communications. Panelist at the *Government Technology Conference (GTC) Southeast*, Atlanta, GA.

Baker, P.M.A. (2003, July 16). *Privacy & Access in Georgia E-Government*. Panelist at the Privacy and Access Issues in Georgia E-Government Conference, Southern Polytechnic State University, Marietta, GA.

Baker, P.M.A. (2003, June 21-24). *Partnerships for Bringing Technology to Your Citizens and Industry*. Moderator at the Georgia Municipal Association, 2003 Annual Convention, Savannah, GA.

Baker, P.M.A. (2001, December 4-6). *Government Collection and Use of Citizen Information*. Presentation at the GTC 2001 Southeast, Atlanta, GA.

Baker, P.M.A. (1999, November 3). *Web-enabled Government*. Invited panelist at the 1999 World Services Congress, Atlanta, GA.

Baker, P.M.A. (1999, March 11). *Wires and Policy: The Merits (and Perils) of ICTs in Human Resource Functions*. Public Administration Faculty Research Seminar, San Diego State University, San Diego, CA.

Baker, P.M.A. (1999, February 15). *Communication, Wires and Policy: Web sites as Tools for Local Governance*. Public Administration Research Seminar, University of La Verne, La Verne, CA.

Baker, P.M.A. (1999, January 13). *Governance, Policy, and Wires in the Virtual Metropolis*. Presented at the University of Maryland Baltimore County Department of Information Systems, Research Seminar, Baltimore, MD.

Baker, P.M.A. (1996, May 14-17). *Developing Community Policy*. Panel Moderator at the Community Networking '96: Bringing People Together Conference, Taos, NM.

Stough, R.R., Riggle, J.D., & Baker, P.M.A. (1996, April 26). *The Role of 'Edge Cities' in an Information Economy*. Panel presentation at *Transforming Local Government for The Institute of Public Policy*, George Mason University, Norfolk, VA.

## B. Special Activities

Panelist on Digital Democracy and Freedom of Speech webcast held on October 9, 2007, at WHYY, Philadelphia, PS. Archived web conference <http://www.whyy.org/digitaldemocracy/video.php>.