

<b>Robert Lynch Todd</b>	<b>Senior Research Scientist, Georgia Institute of Technology; Director, Accessible Education and Information Laboratory, Center for Assistive Technology and Environmental Access (CATEA)</b>
--------------------------	--

### Professional Preparation

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Georgia Institute of Technology	MS	2002	Digital Media/HCI
Georgia State University	MS	1990	Rehabilitation
Georgia State University, Summa Cum Laude	BS	1987	Psychology

### Professional Appointments

2008-Current Senior Research Scientist, Georgia Institute of Technology/CATEA, Atlanta, GA  
 2003- 2008 Research Scientist II, Georgia Institute of Technology/CATEA, Atlanta, GA  
 1996-2003 Research Scientist I, Georgia Institute of Technology/CRT, Atlanta, GA  
 1993-1996 Program Specialist, Georgia Institute of Technology/CRT, Atlanta, GA

### Relevant Books (recent)

Accommodating Students with Disabilities in Science, Technology, Engineering, and Mathematics (STEM). (2012). Todd, R.T., Moon, N.W., Morton, D.L., & Ivey, E. National Science Foundation, Washington, D.C.

Basics About Disabilities and Science and Engineering Education (2011). Sevo, R & Todd, R (ed.). National Science Foundation, Washington, D.C.

The Power of Digital Inclusion: Technology's Impact on Employment and Opportunities for People with Disabilities: Technology's Impact on Employment and Opportunities for People with Disabilities. (October 4, 2011). White, J., Baker, P., Todd, R., Moon, N. Fain, B, & Pater, J. National Council on Disability, Washington, D.C.

### Relevant Book Chapters (recent)

(In)Accessible Learning in Virtual Worlds. Virtual Worlds in Online and Distance Education. Todd, R, Baker, P. & Pater, J. (2013). Athabasca University Press, Edmonton, Alberta, Canada

Building a Consumer Network to Engage Users with Disabilities. Designing Inclusive Futures. Choi, Y. M., Todd, R., et al. (2008). P. Langdon, J. Callahan and P. Robinson. London, Springer.

"Building Walls or Building Bridges: Accessibility of Online Education," Todd, R. L., & Edmonds, C. D. (2005) Perspectives on the Future of Higher Education in the Digital Age, NOVA SCIENCE PUBLISHERS, Inc., Hauppauge, NY.

## Relevant Publications (recent)

“Social Media, Avatars, and Virtual Worlds: Re-Imagine an Inclusive Learning Environment for Adolescents and Adults with Literacy Barriers.” (2012). Gregg, N., Todd, R., & Chang, Y. *Procedia Computer Science Journal*, Vol 10, 2012.

“Evaluation of Programmatic Interventions to Improve Postsecondary STEM Education for Students with Disabilities: Findings from SciTrain University.” (2011). Moon, N.W., Utschig, T.T., Todd, R.L., Bozzorg, A. *Journal of Postsecondary Education and Disability*, 24(4) 331-349.

“Faculty Efficacy in Creating Productive Learning Environments: Universal Design and Lens of Students with Disabilities.” (2011). Utschig, T.T., Moon, N.W., Todd, R.L., Bozzorg, A. *International Journal of Process Education*, Vol. 3, no. 1, June 2011.

“Suitability and Accessibility of Selected Virtual World Platforms and Communities.” (2011) White, J.D., & Todd, R.L. Georgia Institute of Technology, Office of Provost, Atlanta, GA.

“User-Centered Design: A Study of Web Site Accessibility and Usability,” Todd, Robert L. (2010). *Proceedings of the 8<sup>th</sup> Annual Hawaii International Conference on Arts and Humanities*. Honolulu, HI, 2010.

“E-Learning for Secondary School Teachers: Inclusive Science and Math Instruction for Students with Disabilities,” Todd, Robert L. (2008). *International Conference on Computers Helping People with Special Needs*, Linz, Austria, July 2008.

“The User Experience: Web Site Accessibility and Usability,” Bryant, B., Todd, R., & Allen, M. *ATHEN E-Journal*, 2006 (<http://athenpro.org/taxonomy/term/3>).

“Building Walls or Building Bridges: Accessibility of Online Education,” Todd, Robert L., & Edmonds, Curtis D. (2005) Book chapter in Perspectives on the Future of Higher Education in the Digital Age, NOVA SCIENCE PUBLISHERS, INC., Hauppauge, NY.

“Closing the Circuit: Accessibility from the Ground Up” (2005) *Information Technology and Disabilities E-Journal* (<http://www.rit.edu/~easi/itd/>)

“The User Experience: Accessibility and Usability in the Online Environment” (2005) *Proceedings of the 2005 CUMREC Conference*, East Lansing, MI.

Todd, R., & Bilotta, J., “Creating Accessible and Attractive Web Sites: Design for All,” Proceedings of the CSUN International Conference on Technology and Persons with Disabilities, March 2003.

2. Todd, R., & Bilotta, J., “Constructing an Accessible Web Experience: Equity and Enhancement through Design,” Proceedings of the RESNA 26<sup>th</sup> International Conference, June 2003.

## Relevant Current Grants

“Virtual Home Modifications Education Assistant” – Principal investigator for \$600,00, 3-year U.S. Dept of Education (NIDRR) grant to create and research the use of virtual world homes to educate architects, builders, contractors, rehabilitation professionals and people with disabilities on usable and accessible home environments. 2012-2015

“Georgia STEM Accessibility Alliance” - Principal investigator for \$1,500,000, 5-year NSF-RDE grant to provide virtual world mentoring and resources for students with disabilities. 2010-2015.

“SciTrain University” - Principal investigator for \$950,000 U.S. Dept of Education grant to create a demonstration program to enhance STEM education for college students with disabilities. 2008-2012

“SciTrain: Science and Math for All” – Principal investigator for \$300,000 NSF-RDE grant to research methods to improve teaching effectiveness for teachers in high school STEM subjects for students with disabilities. 2006-2012

### **Relevant Past Grants**

“National Assistive Technology Internet Site” – Principal investigator for \$300,000 funding for continued development of a national Web resource for people with disabilities, their family members and professionals; awarded by the U.S. Department of Education (RSA). 2008-2011

“Certificate Course in Assistive Technology and Universal Design” – Principal Investigator for \$95,023 project to create a certificate course for disability-related professionals. 2008-2010

“Academy for Educational Development” [www.fctd.info](http://www.fctd.info) – Co-principal investigator for \$50,000 grant to create an innovative, accessible Web resource for the Family Center on Technology and Disability. 2002-2008

“Georgia Tech Research on Accessible Distance Education (GRADE)” – Principal investigator for \$900,000, three-year funding for development of a project to provide faculty and administrators in institutes of higher education the training and resources they need to provide accessible distance education courses; awarded by the U.S. Department of Education, 2002-2005

“National Assistive Technology Internet Site” – Co-principal investigator for \$750,000, three-year renewal funding for continued development of a 508 accessible national Web resource for people with disabilities, their family members and professionals; awarded by the U.S. Department of Education (NIDRR), October 2002.

“National Assistive Technology Internet Site” – Principal investigator for one-million dollar, three-year funding for development of a 508 accessible national Web resource for people with disabilities, their family members and professionals; awarded by the U.S. Department of Education (NIDRR), November 1999

“Information Technology Enhancements” – Principal investigator for development of 508 and WAI accessible Web site resources for developmental disabilities; awarded by Georgia Governor’s Council on Developmental Disabilities, 1998-1999.

“Disabilities Category and Marketing Matrix” – Principal investigator for publication examining the nature of disabilities in the United States today. It focuses upon statistics, resources, service providers, and the overlap between the most common disability types in the U.S.; awarded by the Center for Rehabilitation Technology, Inc., 1997.

### **Relevant Accessible Information Architecture and Web Development**

“BreakThru: The Georgia STEM Accessibility Alliance” [www.georgiabreakthru.org](http://www.georgiabreakthru.org) (2011). Accessible virtual world environment and website for E-mentoring of students with disabilities in STEM courses,

secondary and post-secondary, funded by the National Science Foundation, Research in Disabilities Education

“SciTrain U” [www.catea.gatech.edu/scitrainU](http://www.catea.gatech.edu/scitrainU) (2008-2012) Accessible online training and resources for STEM instructors of post-secondary students with disabilities, funded by U.S. Department of Education, Office of Post-Secondary Education

“SciTrain: Science and Math for All” [www.catea.gatech.edu/scitrain](http://www.catea.gatech.edu/scitrain) (2006-2012) Accessible online training and resources for STEM instructors of secondary students with disabilities, funded by the National Science Foundation, Research in Disabilities Education

“Assistivetech.net Wiki” or “AT Wiki” <http://assistivetech.net/wiki> (2006-present) Accessible, public wiki on assistive technology products, created with MediaWiki, the code in use by Wikipedia. To date, the largest AT Wiki by number of entries. Funded by U.S. Department of Education (NIDRR and RSA).

“National Assistive Technology Internet Site” [www.assistivetech.net](http://www.assistivetech.net) (1999-present) Accessible online assistive technology resource funded by the U.S. Department of Education (NIDRR)

### **Relevant Licenses and Certifications**

1998- Licensed Professional Counselor, state of Georgia  
1990- Certified Rehabilitation Counselor  
1994- Equal Access to Software and Information certification, Rochester Institute of Technology

### **Relevant Honors (recent)**

2011 Ga Tech College of Architecture Outstanding Research and Scholarship Faculty  
2007 MERLOT Classic Award for Faculty Development, for GRADE Project  
2005 Lightspan Study Web Award for Academic Excellence, for accessible online education