

Juan E. Gilbert, Ph.D.

TSYS Distinguished Professor

Fellow, Auburn University Center for Governmental Services

Auburn University

Computer Science and Software Engineering

Shelby Center for Engineering Technology

Auburn, AL 36849 USA

(334) 844-6316 (Office)

(334) 844-6329 (Fax)

juan.gilbert@acm.org

Research Statement

My research is in Human Centered Computing. The goal of my research is to design, implement and evaluate *innovative solutions to real world problems*. *My research integrates people, culture and technology to address societal issues*. In general, Human Centered Computing research is highly interdisciplinary and applied. My areas of specialization within HCC are Natural Interactive Systems, Advanced Learning Technologies/Intelligent Tutoring Systems, Ethnocomputing/Culturally Aware Computing and Information Technology Workforce, Human-Computer Interaction, Databases and Data Mining.

In Natural Interactive Systems (NIS), I am interested in creating pervasive user interfaces where the user interacts with the system using speech or multimodality. I am researching design, implementation and the evaluation of naturally interactive systems. One of my research projects in NIS is called *Prime III*. Prime III is a secure, multimodal electronic voting system, <http://www.PrimeVotingSystem.com> and <http://www.youtube.com/watch?v=3egmhvgYiI0>. Prime III provides an easy to use multimodal user interface that allows greater participation in the electoral process. Voters that can't read, hear, have visual impairments or physical impairments, can still vote using Prime III. The Prime Voting System is a *usable security* approach to electronic voting

In Advanced Learning Technologies/Intelligent Tutoring Systems, my research aims to create and study applications that employ intelligent strategies that personalize instruction. In some implementations, this involves the use of spoken language systems and Animated Pedagogical Agents (APAs). I am researching the use and impact of culturally relevant environments that use culture in the education or training environment. This is a form of Ethnocomputing (<http://en.wikipedia.org/wiki/Ethnocomputing>) or culturally aware computing. In my latest research efforts, I am researching game-like interfaces that provide naturally interactive instruction using animation, artificial intelligence, and speech. An example of this work can be seen at <http://www.aadmlss.com>.

In Ethnocomputing or Culturally Aware Computing, I am investigating the use and impact of culture in computing. Our research suggests that culture can be used to increase interest, user satisfaction and ease of use in computing applications. I am also working on information technology workforce issues. Specifically, I am investigating pedagogies and programs that broaden participation in computing for people in underrepresented groups. I am studying effective practices that help recruit, retain and graduate people from underrepresented groups in Science, Technology, Engineering and Mathematics (STEM).

In Databases and Data Mining, I am investigating data mining for human centered applications, e.g. applications where the data represents people, and tools that answer complex questions from business intelligence, education, and society in general. For example, I use clustering algorithms to process admissions applications in order to increase holistic diversity. This tool is called *Applications Quest*, <http://www.ApplicationsQuest.com>.

Teaching Statement

My teaching philosophy is derived from my research in educational technology and my work experiences. I believe that technology can be used to keep students interested in the course material. My instruction style employs the use of computers and other multimedia deliverable mediums to assist in delivering instruction. Technology allows me to deliver instruction in several different styles, which meets the demands of more students.

Areas of teaching interest include, but are not limited to:

1. Spoken Language Systems
2. Human-Computer Interaction
3. Databases and Data Mining
4. Advanced Learning Technologies
5. Ethnocomputing
6. Creative Thinking and Problem Solving
7. Natural Language Processing

Education:

- 2000 **University of Cincinnati**, Cincinnati, Ohio
Doctor of Philosophy in Computer Science
Title: Arthur: An Intelligent Tutoring System with Adaptive Instruction
Advisor: Chia Y. Han
- 1995 **University of Cincinnati**, Cincinnati, Ohio
Master of Science in Computer Science
Title: Road Map – An Intelligent Heuristic Application
Advisor: Raj Bhatnagar
- 1991 **Miami University**, Oxford, Ohio
Bachelor of Science in Applied Science
Major: Systems Analysis

Funding (Total Funding: \$10,074,108.78 - Gilbert Share: \$4,546,468.78)

1. Gilbert, J.E. (PI), Chattaraman, V. & Kwon, W., **NSF HCC: Small: Conversational Agents in Web-Based Consumer Environments Designed for Older Users**, NSF, 08/15/2009 – 8/14/2012, \$499,757, Clemson Share: \$174,758.
2. Gilbert, J.E. (PI) & Seals, C.D., **NSF Collaborative Research: BPC-DP: African-American Researchers in Computing Sciences (AARCS)**, NSF, 12/1/2008 – 5/1/2010, \$199,952, AU Share: \$112,450.
3. Gilbert, J.E., **NSF BPC-DP: Incorporating Cultural Tools for Math and Computing Concepts into the Boys and Girls Clubs of America**, NSF, 12/1/2008 – 11/30/2011, \$182,516, AU Share: \$182,516.
4. Gilbert, J.E. **Everyone Counts: Voice User Interface Demonstration Prototype**, Everyone Counts, Inc., 7/2008 – 8/2008, \$4,088.
5. Chattaraman, V. (PI), Gilbert, J.E., & Kwon, W. **Bridging the Digital Divide to Enhance Internet Technology Use among the Elderly**, Auburn University Outreach Scholarship Grant, 5/2008 – 5/2009, \$10,000.
6. Gilbert, J.E. **Accessibility in Online Electronic Voting**, Everyone Counts, Inc., 1/2008 – 7/2008, \$15,000.
7. Watts, I.E. (PI) & Gilbert, J.E., **Tallapoosa Assistance Program (TAP)**, State of Alabama - Tallapoosa County, 10/1/2007 – 9/30/2008, \$28,289.
8. Gilbert, J.E., **Total System Services Inc. Distinguished Professorship**, Total System Services Inc. Gift, 10/1/2007 – 10/1/2008, \$100,000.
9. Hamilton, J.A. Chang, K. Dozier, G., Wang, Y. & Gilbert, J.E., **NSF #0621307 SFS: Scholarship Partnership with Alabama State University and Tuskegee University**. NSF, 9/1/2006 – 9/1/2009, \$1,500,000.
10. Gilbert, J.E., **Implementation and User Evaluation of “Everyone Counts Online Electronic Voting System”**, Everyone Counts Inc., 1/1/2008 – 4/1/2008, \$15,000.
11. Gilbert, J.E. (PI), **NSF IIS HCC: Prime III: Studying Usability & Security in Electronic Voting for Everyone**, NSF, 5/15/2007 – 8/15/2008, \$93,056.
12. Gilbert, J.E., **Total System Services Inc. Distinguished Professorship**, Total System Services Inc. Gift, 10/1/2006 – 10/1/2007, \$100,000.
13. Gilbert, J.E., **Microsoft Research External Research Fund**, Microsoft Corporation Research Gift, 6/1/2006 – 12/1/2007, \$5,000.

14. Gilbert, J.E. **Auburn University Outreach Scholarship Grant**, 8/2006 – 8/2007, \$14,000.
15. Gilbert, J.E. (PI), Seals, C.D., Dozier, G.V. & Jackson, J.F.L., **NSF BPC-DP: African-American Researchers in Computing Sciences (AARCS)**, NSF, 3/1/2006 – 3/1/2009, \$421,288, AU Share: \$330,473.
16. Dahlberg, T. (PI), Barnes, T. (CoPI), Seals, C.D., Gilbert, J.E. (Senior Personnel), et. al., **NSF BPC-A: The STARS Alliance: A Southeastern Partnership for Diverse Participation in Computing**, NSF, 3/1/2006 – 3/1/2009, \$2,228,640, AU Share: \$235,075.
17. Gilbert, J.E. (PI), **Producers Cattle Auction: Online Auction**, Producers Cattle Auction, 2/15/2006 – 5/15/2006, \$2,909.78.
18. Gilbert, J.E. (PI), **Producers Cattle Auction: Online Auction**, Producers Cattle Auction, 1/1/2004 – 10/1/2005, \$12,225.
19. Watts, I.E. (PI) & Gilbert, J.E., **Tallapoosa Assistance Program (TAP)**, State of Alabama - Tallapoosa County, 1/10/2005 – 1/10/2006, \$30,273.
20. Gilbert, J.E. (PI) & Chapman, R., **E-Citation Usability Study**, University of Alabama, 6/2004 – 12/2004, \$25,000.
21. Gilbert, J.E. (PI) & Dozier, G. V., **Distributed Data Mining**, Auburn University Internet2 Research, 6/2004 – 7/2005, \$6,000.
22. Gilbert, J.E. (PI), Flowers, L., Moore, J.L. & Watford, B., **NSF ITWF: Scholars of the Future: An Implementation Model for Increasing Diversity in Information Technology #0420485**, NSF, 9/15/2004 - 9/15/2008, \$754,983, AU Share: \$549,731.
23. Gilbert, J.E. **Auburn University Competitive Research Grant**, 5/2003 – 5/2004, \$3,000.
24. Gilbert, J.E. **Auburn University Internet2 Equipment Research Grant**, 6/2003 – 6/2004, \$8,000.
25. Watts, I.E. (PI) & Gilbert, J.E., **Tallapoosa Assistance Program (TAP)**, State of Alabama - Tallapoosa County, 11/1/2003 – 10/1/2004, \$29,572.
26. Gilbert, J.E., **Mobile and Pervasive User Interfaces for Information Retrieval**, Auburn University - Competitive Research Grant, 5/2003-5/2004, \$3,000.
27. Chapman, R. (PI) & Gilbert, J.E., **VLETS Fieldable Phone System**, University of Alabama Subcontract, 5/2003 – 9/2003, \$39,471.

28. Chang, K. (PI), Biaz, S., Chapman, R., Gilbert, J.E., & Lee, C., **Graduate Fellowships in Wireless Technologies**, U.S. Department of Education Graduate Assistance in Areas of Need (GAANN), 9/2003 – 9/2006, \$393,552.
29. Gilbert, J.E. **NSF Graduate Research Fellowship**, 1/2003 – 9/2003, \$18,544.
30. Gilbert, J.E. (PI), **Summer Technology Outreach Grant II**, Auburn University, 5/2004 – 9/2004, \$16,000.
31. Gilbert, J.E. (PI), **Summer Technology Outreach Grant**, Auburn University, 5/2003 – 9/2003, \$35,231.
32. Watts, I.E. (PI) & Gilbert, J.E., **Tallapoosa Assistance Program (TAP)**, State of Alabama - Tallapoosa County, 1/1/2003 – 10/1/2003, \$60,818.
33. Brewer, J.W. (PI) & Gilbert, J.E., **Distance Learning and Outreach Technology, Auburn University Distance Learning and Outreach Office**, 2/1/2002 – 8/1/2002, \$10,000.
34. Chapman, R., Chang, K., & Gilbert, J.E., **Voice Interface for Wireless Law Enforcement Systems**, University of Alabama, 10/2002 – 5/2003, \$20,000.
35. York, B. (PI), Ellis, C., Gilbert, J.E., Giles, R. & Taylor, V., **NSF-ITR: New Approaches to Human Capital Development through Information Technology Research #0296169**, NSF, 9/2000 - 8/2005, \$3,188,944, AU Share: \$363,437.

Journal Publications

1. (To Appear)
Jackson, J.F.L., Charleston, L.J., George, P. & Gilbert, J.E., (2009) **Factors that Attract African American Males to Computer Science: A Study of Aspiring and Current Professionals**. *Urban Education*.
2. (To Appear)
Gilbert, J.E., McMillian, Y., Rouse, K., Williams, P., Rogers, G., McClendon, J., Mitchell, W., Gupta, P., Mkpog-Ruffin, I. & Cross, E.V. (2009) **Universal Access in e-Voting for the Blind**. *Universal Access in the Information Society Journal*.
3. Gilbert, J.E., Eugene, W., Arbuthnot, K., Hood, S., Grant, M.M., West, M.L. & Swanier, C. (2009) **Culturally Relevant Game Design: A Case Study for Designing Interactive Algebra Lessons for Urban Youth**. *i-manager's Journal of Educational Technology*, 5,3, pp. 54-60.

4. Seals, C., Rouse, K., McMillian, Y., Williams, A., Gilbert, J.E., and Chapman, R. (2009) **Computer Gaming at Every Age: A Comparative Evaluation of Alice, i-manager's** *Journal of Educational Technology.*, 5,3, pp. 1-8.
5. Gilbert, J.E., MacDonald, J., Hill, R., Sanders, D., Mkpung-Ruffin, I., Cross, E.V., Rouse, K., McClendon, J., & Rogers, G. (2008) **Prime III: Defense-in-Depth Approach to Electronic Voting.** *Journal of Information Security and Privacy*, 4,3, pp. 16 – 35.
6. Williams, A., Rouse, K., Seals, C.D., & Gilbert, J.E. (2008) **Enhancing Reading Literacy in Elementary Children using Programming for Scientific Simulations.** *International Journal on E-Learning*, 8,1, pp. 57-69.
7. Gilbert, J.E. & Swanier, C. (2008) **Learning Styles: How do they fluctuate?** *Institute for Learning Styles Research Journal*, Volume 1, Fall 2008, pp. 29 – 40.
8. Lodree, A.W., Moore, J.L. & Gilbert, J.E. (2008) **Using Animated Agents for Postsecondary Mathematics.** *Journal of Educational Technology*, 5,1, pp. 31 – 37.
9. Gilbert, J.E. & Lewis, C. (2008) **An Investigation of Computational Holistic Evaluation of Admissions Applications for a Minority Focused STEM Research Program.** *Journal of STEM Education: Innovations and Research*, 9,1, pp. 1-8.
10. Gilbert, J.E. (2008) **Applications Quest: A Case Study on Holistic Admissions.** *Journal of College Admission*, Spring 2008, pp. 12 – 18.
11. Gilbert, J.E., Arbuthnot, K., Hood, S., Grant, M.M., West, M.L., McMillian, Y., Cross, E. V., Williams, P. & Eugene, W. (2008) **Teaching Algebra Using Culturally Relevant Virtual Instructors.** *The International Journal of Virtual Reality*, 7,1, pp. 21-30.
12. Gilbert, J.E., Williams, A. & Seals, C.D. (2007) **Clustering for Usability Participant Selection.** *Journal of Usability Studies*, 3,1, pp. 41 – 53.
13. Gilbert, J.E. & Goss, K., (2007) **A Multiple Approach Is Best.** *Speech Technology*, 12,6, *Information Today*, pp. 40 - 41.
14. Hura, S.L., Polkosky, M.D., & Gilbert, J.E. (2006) **Point, Counterpoint: What Three Experts Say About Speech Usability.** *User Experience*, 5,3, Usability Professionals' Association, pp. 16 – 18.

15. Gilbert, J.E. (2006) **Making a Case for BPC**. *Computer*, 39,3, IEEE Computer Society, pp. 83 – 86.
16. Gilbert, J.E. (2006) **Applications Quest: Computing Diversity**. *Communications of the ACM*, 49,3, ACM, pp. 99 – 104.
17. Zhong, Y. & Gilbert, J.E. (2005) **A Context-Aware Language Model for Spoken Query Retrieval**. *International Journal of Speech Technology*, 8, 2, Springer, pp. 203-219.
18. Gilbert, J.E., Chapman, R. & Garhyan, S. (2005) **VoiceLETS Backs Up First Responders**, *IEEE Pervasive Computing* 4,3, IEEE Computer Society, pp. 92 - 96.
19. Gilbert, J.E., Wilson, D. & Gupta, P. (2005) **Learning C With Adam**. *International Journal on E-Learning*, 4,3, Association for the Advancement of Computing in Education.. pp. 337-350.
20. Gilbert, J. E. (2005). **E-Commerce & Web Branding: A Use For Persuasive Technologies**. *BDPA Journal Online*, 20,9, pp. 16 – 17.
21. Lin, Y. & Gilbert, J.E. (2005) **An Effectiveness Study of Online Advertising Models**. *Entrepreneurship Policy Journal*. April 2005, volume 2, pp. 120 – 127.
22. Gilbert, J.E. & Han, C. Y. (2002) **Arthur: A Personalized Instructional System**. *Journal of Computing In Higher Education*. 14, 1. Norris Publishers, Amherst, MA.
23. Gilbert, J. E. & Han, C. Y. (1999) **Adapting Instruction in Search of "A Significant Difference"**. *Journal of Network and Computing Applications*, 22, pp. 149-160.

Edited Proceedings Appearing in Refereed Journals

24. Gilbert, J. E. AIED 2001 Workshop on Assessment Methods in Web-Based Learning Environments & Adaptive Hypermedia. *International Journal of Artificial Intelligence In Education*, 12 (2001) pp. 1020-1029.

Commentaries Appearing in Refereed Journals

25. Leneer, P. E., Chandler, R., Gilbert, J., Giles, R., McMullen, W., Taylor, V. & York, B., (2002) **The Institute for African American E-Culture**. *Community Technology Review Journal Online* [Online], 7, 1. [Winter-Spring 2002 Issue].

Conference Proceedings

26. Dawkins, S., Sullivan, T., Rogers, G., Cross, E.V., Hamilton, L., & Gilbert, J.E. (2009). **Prime III: An Innovative Electronic Voting Interface.** *In Proceeding of the 2009 International Conference on Intelligent User Interfaces.* Sanibel Island, Florida, February 8 – 11, 2009.
27. Soares, C., Montgomery, L., Hamilton, C., and Gilbert, J.E. (2008). **Improving Accuracy in the Montgomery County Corrections Program Using Case-Based Reasoning.** *In Proceedings of the 2008 Seventh International Conference on Machine Learning and Applications.* IEEE, San Diego, CA, December 11-13, 2008, pp. 318 - 323.
28. Soares, C., Montgomery, L., Rouse, K., and Gilbert, J.E. (2008). **Automating Microarray Classification using General Regression Neural Networks.** *In Proceedings of the 2008 Seventh International Conference on Machine Learning and Applications.* IEEE, San Diego, CA, December 11-13, 2008, pp. 508 - 513.
29. White, J., Chapman, R., Gilbert, J.E., & Hamilton, J.D. (2008) **A Training System for Pilot Radio Communications.** The Huntsville Simulation Conference 2008, Huntsville, AL, October 22 – 23, 2008.
30. Goggin, S.N., Byrne, M.D., Gilbert, J.E., Rogers, G. & McClendon, J. (2008) **Comparing the Auditability of Optical Scan, Voter Verified Paper Audit Trail (VVPAT) and Video (VTVAT) Ballot Systems.** 2008 USENIX/ACCURATE Electronic Voting Technology Workshop (EVT '08), San Jose, CA, July 28-29, 2008.
31. Gosha, K., Thomas, J.O. & Gilbert, J.E. (2008) **Exploring the Impact of Queue Management on Quality of Service for SMBs.** IEEE International Conference on Services Computing, Honolulu, Hawaii, July 8-11, 2008, Volume 2: p. 551 - 553.
32. McMillian, Y. & Gilbert, J.E. (2008) **Distributed Listening: A Parallel Processing Approach to Automatic Speech Recognition.** Association for Computational Linguistics (ACL): Human Language Technology Conference (HLT), Columbus OH, June 15-20, 2008, pp. 173 – 176.
33. Eugene, W. & Gilbert, J.E. (2008) **C-PAL: Cultural-Based Programming for Adult Learners.** ACM Southeast Conference, Auburn, AL, March 28-29, 2008.
34. Cross, E.V. & Gilbert, J.E. (2008) **Effective Supervision of a Robot Team through User Interface Design.** ACM Southeast Conference, Auburn, AL, March 28-29, 2008

35. Cross, E.V., Rogers, G., McClendon, J., Mitchell, W., Rouse, K., Gupta, P., Williams, P., Mkpog-Ruffin, I., McMillian, Y., Neely, E., Lane, J., Blunt, H. & Gilbert, J.E. (2007) **Prime III: One Machine, One Vote for Everyone**. VoComp 2007, Portland, OR, July 16, 2007.
36. McMillian, Y., Williams, P., Cross, E.V., Mkpog-Ruffin, I., Nobles, K., Gupta, P. & Gilbert, J.E. (2007) **Prime III: Where Usable Security & Electronic Voting Meet**. Usable Security (USEC '07), Lowlands, Scarborough, Trinidad/Tobago, February 15-16, 2007.
37. Cross, E.V., McMillian, Y., Gupta, P., Williams, P., Nobles, K. & Gilbert, J.E., (2007) **Prime III: A User Centered Voting System**. ACM CHI '07 Extended Abstracts Works In Progress Session, San Jose, CA, May 2, 2007.
38. Gilbert, J., Cross, E.V., Grant, M.M., West, M.L., Hood, S. & Arbuthnot, K. (2006) **City Stroll: Hip Hop+Animation+Algebra = Fun+Learning**. *In Proceedings of E-Learn 2006 World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education*, CD-ROM.
39. Williams, A., Seals, C., Rouse, K., & Gilbert, J. (2006) **Visual Programming with Squeak SimBuilder: Techniques for E-Learning in the Creation of Science Frameworks**. *In Proceedings of E-Learn 2006 World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education*, pp. 1509-1514.
40. Mkpog-Ruffin, I., Murphy, A., Larkin, V. & Gilbert, J. (2006) **CAMPNAV: A Campus Navigation System For the Visually Impaired**. *In Proceedings of E-Learn 2006 World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education*, CD-ROM.
41. Seals, C.D., Zhang, L. & Gilbert, J. (2006) **Human Centered Computing Lab Web Site Redesign Effort**. *In Proceedings of E-Learn 2006 World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education*, pp. 452-458.
42. Gilbert, J. E. (2006). **A Model for Broadening Participation in Computing**. *In Proceedings of American Society of Engineering Education Southeastern Section Annual Conference*, Tuscaloosa, AL, p. 23.
43. Gupta, P. & Gilbert, J. (2005). **Speech Usability Metric: Evaluating Spoken Language Systems**. *11th International Conference on Human-Computer Interaction*, Las Vegas, Nevada, CD-ROM.

44. Cross, E.V. & Gilbert, J. (2005). **Let's Vote: A Multimodal Electronic Voting System.** *11th International Conference on Human-Computer Interaction*, Las Vegas, Nevada CD-ROM.
45. Gilbert, J. E. (2005). **Distributed Listening Research.** *In Proceedings of AVIOS Speech Technology Track*, San Francisco, California, SpeechTEK West, pp. 1 – 10.
46. Williams, M., Gilbert, J., & Madsen, N. (2004) **Nel: An Interactive Physics Tutor.** *World Conference on E-Learning in Corp., Govt., Health., & Higher Ed.* (1), pp. 3000-3002.
47. Parks, N., Simmons, T., Sapp, K. & Gilbert, J. E. (2003). **Culturally Influenced E-Learning: An Introduction to AADMLSS.** *In Proceedings of E-Learn World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education*, Montreal, Canada: Association for the Advancement of Computing in Education, pp. 1960-1965.
48. (15% Acceptance Rate)
Gilbert, J.E. & Zhong, Y. (2003). **Speech User Interfaces for Information Retrieval.** *In Proceedings of 12th Annual ACM Conference on Information & Knowledge Management*, New Orleans, Louisiana, pp. 77-82.
49. Gu, Y. & Gilbert, J. E. (2004). **The Development of Voice System That Interact With a Student Information Database.** *In Proceedings of 42nd Annual ACM Southeast Conference.* Huntsville, Alabama, pp. 248 - 252.
50. Hu, W. , Zhong, Y & Gilbert, J. E. (2003). **Voice Information Retrieval for Course Resources.** *In Proceedings of ED-MEDIA 2003: World Conference on Educational Multimedia, Hypermedia & Telecommunications*, Honolulu, Hawaii: Association for the Advancement of Computing in Education. pp. 2804-2807.
51. Larson, J.A. , Gilbert, J. E. & McTear, M. (2003). **Challenges in Teaching User Interface Design for Telephone and Cell Phones.** *In Proceedings of ACM CHI 2003: New Horizons*, Ft. Lauderdale, FL. pp. 864-865.
52. Zhong, Y., Gilbert, J. E. & Hu, W. (2003). **Speech User Interface for Document Retrieval.** *In Proceedings of 41st Annual ACM Southeast Conference*, Savannah, Georgia, pp. 130-131.
53. Jackson, E.M. & Gilbert, J. E. (2003). **Increasing physical activity through a technology mediated intervention.** *In Proceedings of Hawaii International Conference on Education*, Honolulu, Hawaii, pp. 10.

54. Gilbert, J. E. (2002). **Playing Teacher**. In *Proceedings of E-Learn World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education*, Montreal, Canada: Association for the Advancement of Computing in Education, pp. 325-330.
55. Kolwalkar, N. & Gilbert, J. E. (2002). **Morph Chat: A Multimodal Instant Messaging System**. In *Proceedings of E-Learn World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education*, Montreal, Canada: Association for the Advancement of Computing in Education, pp. 1722-1725.
56. Qi, H., Gilbert, J. E. & Brewer, J.W. (2002). **Using Animated Pedagogical Agents To Teach Entomology**. In *Proceedings of E-Learn World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education*, Montreal, Canada: Association for the Advancement of Computing in Education, pp. 2059-2062.
57. Gilbert, J. E. (2001). **Gilbert's Usability Monitor (GUM)**. In *Proceedings of WebNet 01: World Conference on the WWW and Internet*, Orlando, FL: Association for the Advancement of Computing in Education, pp. 420-421 .
58. Gilbert, J. E. & Wilson, D. (2001). **Building Learning Architectures: Domain Instruction Server (DIS)**. In *Proceedings of WebNet 01: World Conference on the WWW and Internet*, Orlando, FL: Association for the Advancement of Computing in Education, pp. 422-426.
59. Gilbert, J. E & Wilson, D. (2001). **Domain Instruction Server (DIS)**. In *Proceedings of ICALT 2001: International Conference on Advanced Learning Technologies*, Madison, WI: IEEE Computer Society, pp. 439-440.
60. Gilbert, J. E. & Han, C. Y. **Researching Adaptive Instruction**. In Brusilovsky, P., Stock, O. and Strapparava, C., editors, *Proceedings of Adaptive Hypermedia and Adaptive Web-Based Systems*, Vol. 1892 of Lecture Notes in Computer Science, pp. 409-414. Springer-Verlag, 2000.
61. Gilbert, J. E. (2000). **Case Based Reasoning Applied to Instruction Method Selection for Intelligent Tutoring Systems**. In *Workshop Proceedings of ITS'2000: Fifth International Conference on Intelligent Tutoring Systems*, Montreal, CA. pp. 11-15.
62. Han, C. Y. & Gilbert, J. E. (2000). **A Smart e-School Framework**. In *Proceedings of SSGR 2000: International Conference on Advances in Infrastructure for Electronic Business, Science, and Education on the Internet*, L'Aquila, Italy.
63. **(Best Paper Award)**
Gilbert, J. E. & Han, C. Y. (1999). **Arthur: Adapting Instruction to Accommodate Learning Style**. In *Proceedings of WebNet 99: World Conference on the WWW and Internet*, Honolulu, HI: Association for the Advancement of Computing in Education, pp. 433-439.

64. Gilbert, J. E. & Han, C. Y. (1999). **Arthur: An Adaptive Instruction System based on Learning Styles**. In *Proceedings of ED-MEDIA 99: World Conference on Educational Multimedia, Hypermedia & Telecommunications*, Seattle, WA: Association for the Advancement of Computing in Education, pp. 1233-1234.
65. Gilbert, J. E. & Han, C. Y. (1999). **Arthur: Web Based Instruction using Learning Styles**. In *Proceedings of Syllabus 99: Educational Technology Conference*, Santa Clara, CA: Syllabus Press Inc., Available: http://www.syllabus.com/syll99_proceedings/ARTHUR.HTM.
66. Gilbert, J. E. & Han, C. Y. (1999). **Arthur: An Adaptive Instruction System based on Learning Styles**. In *Proceedings of M/SET 99: International Conference on Mathematics/Science Education & Technology*, San Antonio, TX: Association for the Advancement of Computing in Education, pp. 100-105.

Book Chapters

67. Jackson, J. F. L., Gilbert, J. E., Charleston, L. J., George, P. L., Grenell, K. D. (in press) **Using Regional Data Collection to Inform University Led Initiatives: The Case of a STEM Education SWOT Analysis**. *New Directions for Institutional Research*.
68. Gilbert, J.E., Williams, P., Cross, E.V., Mkpog-Ruffin, I., McMillian, Y., & Gupta, P. (2008). **Usability and Security in Electronic Voting**. *E-Voting: Perspectives and Experience*, Icfai University Press, pp. 74 – 80.
69. Gilbert, J.E. & Eugene, W. (2007). **Building the Future Black Faculty Pipeline**. In *AfroGEEKS: Beyond the Digital Divide*, Edited by Everett, A. and Wallace, A.J. pp. 285-293.
70. Gilbert, J. E. (2000). **Beating The Odds, African Americans in Computer Science**. Chapter 10 in Jones, L. (Ed.) *Brothers of the Academy: Up And Coming Black Scholars Earning Our Way in Higher Education*, Stylus Publishing. pp. 140-148.

Other Publications

71. Coney, L., Gilbert, J.E., Neumann, P.G., Nilsson, E., Pincus, J. & Schneier, B., **E-Deceptive Campaign Practices Report: Internet Technology & Democracy 2.0**, *Electronic Privacy Information Center*, October 20, 2008.
72. Gilbert, J.E. (2008) **Silos of Academe Thwart Diversity on Campuses**, *The Chronicle of Higher Education, Diversity in Academe*, September 26, 2008, pp. B45-B46.
73. Kaushansky, K., Gilbert, J.E., Hura, S. & Witt-Ehsani, S. **Moving the Conversation Forward**, *speechTECHNOLOGY Magazine*, May 2008, pp. 31- 35.

74. Gilbert, J.E., Jackson, J. & Seals, C. (2008) **African-American Researchers in Computing Sciences: A Model for Broadening Participation in Computing.** *Computing Research News: A Publication of the Computing Research Association*, 20,3.
75. Bloom, J., Gilbert, J.E., Houwing, T., Hura, S., Issar, S., Kaiser, L., Larson, J.A., Leppik, D., Mailey, S., Mane, A., McTernan, F., McTear, M., Pollock, S., Shinn, P., Stifelman, L. & Wilson, D. **Ten Criteria for Measuring Effective Voice User Interfaces**, *speechTECHNOLOGY Magazine*, November/December 2005, pp. 31- 35.
76. Larson, J.A., Applebaum, T., Byrne, B., Giangola, J., Gilbert, J.E., Green, R.N., Hebner, T., Houwing, T., Hura, S., Issar, S., Kaiser, L., Kaushansky, K., Kilgore, R., Lai, J., Leppik, D., Mailey, S., Margulies, E., McArtor, K., McTear, M. & Sachs, R., **Ten Guidelines for Designing a Successful Voice User Interface**, *speechTECHNOLOGY Magazine*, January/February 2005, pp. 51 - 53.

Patents and Patent Applications

1. Gilbert, J.E. "Nominal Population Metric: Clustering of Nominal Application Attributes," US 2008/10183731 A1, Published July 31, 2008.

Invited Talks/Keynotes

1. Gilbert, J.E., **Security & Technology of Internet Voting.** Alabama League of Women Voters, Birmingham, AL, May 2, 2009.
2. Gilbert, J.E., **Emerging Trends and Entrepreneurship.** Association of Computer/Information Sciences and Engineering Departments at Minority Institutions (ADMI), Morgan State University, Baltimore, MD, April 17, 2009.
3. Gilbert, J.E., **Why Should You Go To Graduate School?** Albany State University, Albany, GA, April 10, 2009.
4. Gilbert, J.E., **Applications Quest: Achieving Equity and Diversity in Admissions with Data Mining.** University of Florida, Gainesville, FL, March 23, 2009.
5. Gilbert, J.E., **Broadening Participation in Computing.** Prairie View A&M University, Prairie View, TX, March 12, 2009.
6. Gilbert, J.E., **Broadening Participation in Computing: Research, Graduate School and the Professoriate.** Fort Valley State University, Fort Valley, GA, March 6, 2009.
7. Gilbert, J.E., **The Prime III Voting System Project.** University of Maryland, Baltimore County, Baltimore, MD, February 20, 2009.

8. (Keynote)
Gilbert, J.E., **Computing Diversity in Higher Education in the 21st Century**. Arizona State University, Tempe, AZ, February 18, 2009.
9. Gilbert, J.E., **Hip-Hop Music and Math**. American Association for the Advancement of Science and Science Chicago, 2009 AAAS Annual Meeting, Meet the Scientists at AAAS Family Science Days! Chicago, IL, February 15, 2009.
10. Gilbert, J.E., **Applications Quest: A Computational Solution to Affirmative Action in the 21st Century**. University of Alabama, Tuscaloosa, AL, January 30, 2009.
11. Gilbert, J.E., **The Future of Underrepresented Minority Based Programs**, Alliance for Graduate Education in Mississippi (AGEM) Winter Scholar Symposium, Jackson State University, Jackson, MS, January 23, 2009.
12. Gilbert, J.E., **Modern Day Affirmative Action: Computing Race and Gender Conscious Admissions in the 21st Century**, Princeton University, Princeton, NJ, November 17, 2008.
13. (Wes McJulien Lecture)
Gilbert, J.E., **Advancing Learning through Culture, Technology and Instruction**, 2008 Association for Educational Communications & Technology (AECT), Orlando, FL, November 7, 2008.
14. Gilbert, J.E., **Usable Security in Electronic Voting**, Columbus State University, Columbus, GA, November 5, 2008.
15. Gilbert, J.E., **Prime III: The Intersection Between Usability and Security**, Clemson University, Clemson, SC, October 10, 2008.
16. (Keynote)
Gilbert, J.E., **Excellence in Academia and Beyond**, National McNair Scholars Research Conference and Graduate School Fair, University of Delaware, Newark, Delaware, October 3, 2008.
17. Gilbert, J.E., **Computing in the 21st Century: Innovative Solutions to Real World Problems**. Rochester Institute of Technology, B. Thomas Golisano College of Computing and Information Sciences Dean's Lecture Series, September 26, 2008.
18. Gilbert, J.E., **A New Strategy for Affirmative Action**. National Academies, Washington, DC, September 17, 2008.

19. (Keynote)
Gilbert, J.E., **Changing The World Through Technology**, Spelman College, Atlanta, Georgia, September 8, 2008.
20. (Keynote)
Gilbert, J.E., **From the Classroom to the Boardroom in the Academic World**, BDPA 9th Annual Scholarship and Education Awards, BDPA Southern Minnesota Chapter, Rochester, MN, August 24, 2008.
21. Gilbert, J.E., **Prime III: A Multimodal Approach to Electronic Voting**, SpeechTEK 2008, New York, NY, August 19, 2008.
22. Gilbert, J.E. **Innovation: Where Computing and Societal Problems Meet**. 2008 STARS Celebration, Auburn, AL, August 12, 2008.
23. Gilbert, J.E. **Admissions Equity: Reality and Results**. Washington Duke Inn, Durham, NC, June 26, 2008.
24. Gilbert, J.E. **Prime III: Electronic Voting in the 21st Century**. Monmouth University, May 2, 2008.
25. Gilbert, J.E. **Can Holistic Admissions Replace Affirmative Action?** Education Writers Association, 61st Annual Conference, Chicago, IL, April 25, 2008.
26. Gilbert, J.E. **Achieving Diversity in the New Affirmative Action Era**. Virginia Tech, April 22, 2008.
27. Gilbert, J.E. **Shaping the Future of Voting: An Exploration of the Human Factors and HCI Challenges in the Design and Deployment of Prime III**. Virginia Tech, April 22, 2008.
28. (Keynote)
Gilbert, J.E. **Engineering Research and Innovation in the 21st Century**. 34th Annual National Society of Black Engineers Convention, Orlando, FL, March 22, 2008.
29. (Keynote)
Gilbert, J.E. **Entrepreneurship and Innovation in the Academy**. 20th National Black Graduate Student Association Conference, Chicago, IL, March 14, 2008.
30. Gilbert, J.E. **Secure, Equal Access for Everyone in Voting**. Auburn University Elderhostel, March 13, 2008.
31. Gilbert, J.E. **Prime III: A Multimodal Approach to Electronic Voting**. Voice Search Conference, San Diego, CA, March 10, 2008.

32. Gilbert, J.E. **Prime III: Innovations in Electronic Voting.** Information Technology & Innovation Forum, Capitol Hill, Washington, D.C. March 6, 2008.
33. (Keynote)
Gilbert, J.E. **Carter G. Woodson and the Origins of Multiculturalism.** USDA – Natural Resources Conservative Service Black History Observance, Auburn, AL, February 28, 2008.
34. Gilbert, J.E. **Community, Technology and Innovation in the 21st Century.** Tuskegee University, Tuskegee, AL, February 22, 2008.
35. (Keynote)
Gilbert, J.E. **Innovation, Passion and Research: Ingredients for Success.** National Association of Academies of Science and American Junior Academies of Science Banquet, Boston, MA, February 16, 2008.
36. Gilbert, J.E. **Broadening Participation in Computing: AARCS Program.** American Association for the Advancement of Science in Promoting the Success of Minority Graduate Students Session, Boston, MA, February 16, 2008.
37. Gilbert, J.E. **Achieving Diversity Without Preference in the New Affirmative Action Era.** University of Colorado-Boulder, Boulder, CO, February 6, 2008.
38. Gilbert, J.E. **Achieving Diversity Without Preference in the New Affirmative Action Era.** Wayne State University Law School, Detroit, MI, January 23, 2008.
39. Gilbert, J.E. **Community Benefits of Technological Progression and Advancement.** People of Action for Community Enrichment, Opelika, AL, January 19, 2008.
40. Gilbert, J.E. **African-American Researchers in Computing Sciences (AARCS): A Program for Broadening Participation in Computing.** IBM T. J. Watson Research Center, Hawthorne, NY, January 16, 2008.
41. Gilbert, J.E. **Electronic Voting for Senior Citizens.** Osher Lifelong Learning Institute, Auburn, AL, January 14, 2008.
42. Gilbert, J.E. **2008 Disability Services: How to Affect Change in an Election Year Symposium hosted by the Georgia Disability Vote Project at the Center for the Visually Impaired,** Atlanta, GA, January 7, 2008.
43. Gilbert, J.E. **Prime III: A Usable Security Model for Electronic Voting,** Carnegie Mellon University, Pittsburgh, PA, September 12, 2007.

44. Gilbert, J.E., **Preparation for the Professoriate: Pathways, Passion, and Purpose**, PROMISE: Maryland's Alliance for Graduate Education and the Professoriate (AGEP), Baltimore, Maryland, August 17, 2007.
45. Gilbert, J.E. **Prime III: A Multimodal Electronic Voting Platform**. National BDPA Conference, Washington, DC, August 15, 2007.
46. Gilbert, J.E. & Payton, F. **Racioethnic Imbalance in CS and IS: How Do We Change the Face of the Classroom?** National BDPA Conference, Washington, DC, August 15, 2007.
47. Gilbert, J.E. **Prime III: One Machine, One Vote for Everyone**. IBM, Charlotte, NC, June 14, 2007.
48. Gilbert, J.E. **Innovation and Diversity in the 21st Century**. Rensselaer Polytechnic Institute, Troy, NY, April 25, 2007.
49. Gilbert, J.E. **Applications Quest: A Strategy to Replace Affirmative Action & Social Justice**. Fixing the Academy: Tapping into Black Excellence on White Campuses 2007, Johns Hopkins University, Baltimore, MD, April 13, 2007.
50. Gilbert, J.E. **Applications Quest ... A Holistic Solution to Application Processing**. American Bar Association Presidential Advisory Council on Diversity in the Profession Eastern Regional Pipeline Workshop, Loyola University-Chicago Law School, Chicago, IL, March 23, 2007.
51. (Keynote)
Gilbert, J. E. **Prime III & The Future of Electronic Voting**. 29th Annual Leroy Roquemore Computer Science Symposium, Southern University, Baton Rouge, LA, March 15, 2007.
52. Cross, E.V. & Gilbert, J. E. **The Prime Voting System: Multimodality & Politics**. AVIOS/SpeechTEK West 2007, San Francisco, California, February 22, 2007.
53. Gilbert, J.E. **Applications Quest: Achieving Diversity in the Proposal 2 Era System**, University of Michigan, Ann Arbor, MI, January 30, 2007.
54. Gilbert, J.E. **The Prime Voting System: A Secure, Multimodal Electronic Voting System**, Northwestern University, Evanston, IL, January 16, 2007.
55. Gilbert, J.E. **Intelligent Instruction with Computer Assisted Pedagogy**, Juxtapia Urban Learning Technology (JULT) Conference, Baltimore, MD, December 2, 2006.

56. Gilbert, J.E. **Race Conscious Policies in Education with Applications Quest**, Jackson State University, Jackson, MS, November 9, 2006.
57. Gilbert, J.E. **Barriers for Underrepresented Groups to STEM: Why Don't You Like Science, Technology, Engineering or Mathematics?**, Jackson State University, Jackson, MS, November 9, 2006.
58. (Keynote)
Gilbert, J.E. **Academic Jobs ... The Professoriate**, Southern Region Education Board, Institute on Teaching and Mentoring, Miami, FL, October 27, 2006.
59. (Keynote)
Gilbert, J.E. **Research, Mentoring, Graduate School and the Professoriate**, Bring IT On!, Indiana University, Bloomington, IN, October 20, 2006.
60. Gilbert, J.E., **Applications Quest: Affirmative Action, Race Neutral Admissions, and Holistic Review ... What's Really Fair?**, Indiana University, Bloomington, IN, October 20, 2006.
61. Gilbert, J.E., **Computing Diversity: Affirmative Action and Race Neutral Policies**, Cornell University, Ithaca, NY, September 13, 2006.
62. Gilbert, J.E., **Preparation for the Professoriate: Pathways, Passion, and Purpose**, PROMISE: Maryland's Alliance for Graduate Education and the Professoriate (AGEP), Baltimore, Maryland, August 18, 2006.
63. Gilbert, J.E., **Graduate School for the Working Professional**, 28th Annual National BDPA Conference, Los Angeles, California, August 2, 2006.
64. Gilbert, J.E., Esterman, M., & Geiger, C.D. **The Academic Job Search**, 8th Annual National GEM Consortium Symposium Future Faculty and Professionals Symposium, June 29, 2006, Chicago, Illinois.
65. Gilbert, J.E. **Applications Quest: Using Diversity in Admissions ... Computationally Speaking**, University of Georgia, Athens, GA, June 23, 2006.
66. (Commencement Speaker)
Gilbert, J.E., Hamilton High School Annual Commencement Ceremony, Millett Hall, Oxford, Ohio, June 5, 2006.
67. Gilbert, J.E., **Graduate School and the Professoriate**, Association of Computer/Information Sciences and Engineering Departments at Minority Institutions (ADMI), Orlando, FL, May 19, 2006.

68. Gilbert, J.E., **Holistic Review in Admissions: Demonstrating a Computerized Tool**, American Association for the Advancement of Science, Washington DC, May 16, 2006.
69. Gilbert, J.E., Jackson, J.F.L., Sims, P. & Beachum, F. **The State of African-American Men in Milwaukee, Wisconsin: Lets Talk!**, Marquette University, Milwaukee, WI, April 21, 2006.
70. Gilbert, J.E., **Applications Quest: Computing Diversity**, University of South Carolina, Columbia, South Carolina, April 14, 2006.
71. Gilbert, J.E., **The Next Black Ph.D. It's More Than Just Research**, Benedict College, Columbia, South Carolina, April 13, 2006.
72. Gilbert, J.E., **The Next Black Ph.D. It's More Than Just Research**, The National Society of Black Engineers 32nd Annual National Convention, Pittsburgh, PA, March 31, 2006.
73. Gilbert, J.E., **Show Me the Money, Careers in STEM**, Rufus King High School, Milwaukee, WI, March 29, 2006.
74. Gilbert, J.E., **Applications Quest: Computing Diversity**, Marquette University, Milwaukee, WI, March 28, 2006.
75. Gilbert, J.E., **Prime III Ushering in a New Age of Electronic Voting**, Marquette University, Milwaukee, WI, March 27, 2006.
76. Gilbert, J.E., **Preparing for Disaster with Technology**, Alabama Association of Assessing Officials Conference, Opelika, AL, March 1, 2006.
77. Gilbert, J. E. **The Holistic Usability Measure (HUM): Evaluating Spoken Language Systems**. AVIOS/SpeechTEK West 2006, San Francisco, California, January 31, 2006.
78. Gilbert, J.E., **Is The Ph.D. Really Worth?: Transitioning To Graduate School**, Albany State University, Albany, GA, January 28, 2006.
79. Gilbert, J.E., **Broaden Participation in STEM or Else**, Morehouse College, Atlanta, GA, January 17, 2006.
80. Gilbert, J.E., **Emergency Preparedness**, Alabama Municipal Revenue Officers Association and Auburn University Center for Governmental Services, Generating Revenue for Cities Conference, Auburn, AL, December 8, 2005.
81. (Keynote)
Fun-Set Social and Charity Club Beautillion Ball 2005, Huntsville, AL, November 19, 2005.

82. Gilbert, J.E., **The Usability of Usability**, World Usability Day, Auburn University, Auburn, AL, November 3, 2005.
83. Gilbert, J.E., **Applications Quest: Computing Diversity to Address Affirmative Action**. University of North Carolina Charlotte, Charlotte, NC, October 14, 2005.
84. Gilbert, J.E., **Collaborations for Success: Industry & The Academy**, I-85 Corridor Alliance, Auburn University, Auburn University Dixon Hotel & Conference Center, Auburn, AL, September 16, 2005.
85. Gilbert, J.E., **Applications Quest: Using Technology to Address Affirmative Action**, 27th Annual National BDPA Conference, Detroit, MI, August 20, 2005.
86. Gilbert, J.E., **Distributed Listening**, Advanced Speech Technologies Symposium: Emerging Technologies, SpeechTEK Conference, August 1, 2005.
87. Gilbert, J.E., **Applications Quest: Computing Diversity to Address Affirmative Action**. Rice University, Houston, TX, July 29, 2005.
88. Gilbert, J.E., Esterman, M., & Gates, A. **The Academic Job Search and the Tenure-Track Process**, 7th Annual National GEM Consortium Symposium Future Faculty and Professionals Symposium, June 30, 2005, Boston, Massachusetts.
89. Gilbert, J.E., Barrera, E., & Marder, S. **Developing Successful Mentoring Relationships**, 7th Annual National GEM Consortium Symposium Future Faculty and Professionals Symposium, June 30, 2005, Boston, Massachusetts.
90. Gilbert, J.E., **Using Culture and Diversity to Recode the Matrix of the New Millennium Workforce**. Rensselaer Polytechnic Institute, Troy, NY, April 21, 2005.
91. Gilbert, J.E., **How to Choose A Doctoral Mentor and Why This Is Critical to Your Success**. Arizona State University, Phoenix, AZ, April 18, 2005.
92. Gilbert, J.E., **Distributed Listening: Improving Speech Recognition Accuracy**, Virginia Polytechnic Institute and State University, Blacksburg, VA, February 3, 2005.
93. Gilbert, J.E., **Application Quest: Computing Diversity**, Virginia Polytechnic Institute and State University, Blacksburg, VA, February 3, 2005.
94. Gilbert, J.E., **Application Quest: Computing Diversity**, Rensselaer Polytechnic Institute, Troy, NY, January 19, 2005.
95. Gilbert, J.E., **Application Quest: Computing Diversity**, Miami University, Oxford, OH October 29, 2004.

96. Gilbert, J.E., **Ask The Experts, Speech in Government/Public Sector**, SpeechTEK Conference, September 13, 2004.
97. Gilbert, J.E., **Applications Quest: Using Clustering Algorithms to Address Affirmative Action**, 10th Annual Conference for African-American Researchers in the Mathematical Sciences (CAARMS10), June 24, 2004, Berkeley, California.
98. Gilbert, J.E., **Spoken Language Systems Research**, University of Maryland College Park, June 17, 2004, College Park, Maryland.
99. Gilbert, J.E., **Building the Future Black Faculty Pipeline**, AfroGEEKS Conference, University of California Santa Barbara, May 7-8, 2004, Santa Barbara, California.
100. Gilbert, J.E., **Applications Quest: Using Technology to Address Affirmative Action**, Florida A&M University, April 20, 2004, Tallahassee, Florida.
101. Gilbert, J.E., **Speech User Interfaces for Information Retrieval**, University of Maryland, Baltimore County, April 6, 2004, Baltimore, Maryland.
102. Gilbert, J.E., **Global Information Technology**, The 4th Annual African American Leadership Summit, Miami University, February 21, 2004 Oxford, Ohio.
103. Gilbert, J.E. **“Using Technology to Diversify University Campuses”**, Auburn University Africana Studies Lecture Series, 208 Foy Union, January 15, 2004, Auburn University, Alabama.
104. Gilbert, J.E., **Voice LETS**, Criminal Justice Technology Symposium V , Marriott Grand Hotel, December 4, 2003, Point Clear, Alabama.
105. Gilbert, J.E., **Voice eVIAS**, Georgia Institute of Technology – Access Grid Presentation, June 17, 2003, Atlanta, Georgia.
106. Gilbert, J.E., **Going to Graduate School for Computer Science**, Tuskegee University, March 6, 2003, Tuskegee, Alabama.
107. Gilbert, J.E., **Technology for African American Survival: Tech Talk**, The 3rd Annual African American Leadership Summit, Miami University February 22, 2003, Oxford, Ohio.
108. Gilbert, J.E., **Information Verbalization**, University of Alabama-Birmingham, September 19, 2002, Birmingham, Alabama.
109. Gilbert, J.E., **An Introduction to VoiceXML: Adding Voice To Data**, BDPA 2002 24th Annual National Conference, August 9, 2002, Orlando, Florida.

110. Gilbert, J.E., **African American Distributed Multiple Learning Styles System: A Culture-specific Approach to ELearning**, BDPA 2002 24th Annual National Conference, August 9, 2002, Orlando, Florida.
111. Gilbert, J.E., **Animated Pedagogical Agents**, Southern Polytechnical State University, April 10, 2002, Marietta, Georgia.
112. Gilbert, J.E., **Making Learning Personal With Adaptive Instruction**, University of Houston Clear Lake, April 1, 2002, Houston, Texas.
113. Gilbert, J.E., **Finding Information With Your Voice (Anywhere, Anytime, Any Device)**, University of Houston Clear Lake, April 1, 2002 Houston, Texas.
114. Gilbert, J.E., **Making Learning Personal With Adaptive Instruction**, Vanderbilt University, March 24, 2002, Nashville, Tennessee.
115. Gilbert, J.E., **Technology in the Next Millennium**, The 2nd Annual African American Leadership Summit, Miami University, February 16, 2002, Hamilton, Ohio.
116. Gilbert, J.E., **Browsing the Internet with Voice Portals: A New Wave in Technology**, African American Entrepreneurship Summit, Auburn University, February 14, 2002, Auburn, Alabama.
117. Gilbert, J.E., **African American Distributed Multiple Learning Styles System: A Culture-specific Approach to ELearning**, ACM Richard Tapia Celebration of Diversity in Computing, October 20, 2001, Houston, Texas.
118. Gilbert, J.E., **E-Commerce, E-Culture and the Digital Divide ... Where Are We Headed?**, Black Client Workshop, Cincinnati, Ohio, Cincinnati Convention Center, June 8, 2000, Cincinnati, Ohio.
119. Gilbert, J.E., **Selecting Instructional Technology**, Xavier University, September 10, 1999, Cincinnati, Ohio.
120. Gilbert, J.E., **Electronic Commerce**, BDPA Cincinnati Chapter, Greater Cincinnati Urban League, August 11, 1999, Cincinnati, Ohio.
121. Gilbert, J.E., **E-Commerce & Web Branding: A Use For Persuasive Technologies**, 5th Annual Conference for African-American Researchers in the Mathematical Sciences - CAARMS5, University of Michigan, June 22 - 25, 1999, Ann Arbor, Michigan. (Expanded version will appear in the Black Data Processing Association Journal)
122. Gilbert, J.E., **Teaching with Interactive Media Now & in the Future**, Interactive Media Studies Conference '98, Miami University, November 20, 1998, Oxford, Ohio.

123. Gilbert, J.E., **JavaScript**, Greater Cincinnati Library Consortium, Cincinnati State Community College, November 10, 1998, Cincinnati, Ohio.
124. Gilbert, J.E., **Java**, Association for Computing Machinery Miami University Chapter, Miami University, October 21, 1998, Oxford, Ohio.
125. Gilbert, J.E., **JavaScript as a Web-Development Tool**, University of Cincinnati, December 4, 1997, Cincinnati, Ohio.
126. Gilbert, J.E., **Web-based Instruction System for Education with Interactive Video**, Learning With Technology Conference, The Ohio State University, June 19, 1997, Columbus, Ohio

Other Presentations

1. (Workshop Presenter)
Gilbert, J.E. **Opportunities in Diversity Research**. Auburn University, Auburn, AL, January 28, 2008.
2. (Presentation)
Jackson, J., George, P. & Gilbert, J.E. **Interventions that Show Great Promise for Increasing African American Computing Scientists in Higher Education: Evidence from the African American Researchers in Computing Sciences Program**. 2007 AERA, Chicago, IL, April 10, 2007.
3. (Workshop Presentation)
Hood, S. & Gilbert, J.E., **Alternative Assessment: Using a Culturally Relevant, Computer-Based Interactive Tool (AADMLSS) to Assess Students' Eighth-Grade Algebra Knowledge**. American Education Research Association (AERA), San Francisco, CA, April 8, 2006.
4. (Presentation)
Gilbert, J.E., **Thinking Outside the Box: Engaging Students in Creative Thought**, Auburn University Forum on College Teaching and Learning, Auburn, AL, February 4, 2006.
5. (Workshop Presenter)
Gilbert, J.E. & York, B., **The Computer Science Academic Job Search**, 2005 Richard Tapia Celebration of Diversity in Computing Conference, Albuquerque, New Mexico, October 21, 2005.
6. (Workshop Presenter)
Gilbert, J.E., **How to Start a Successful Research Program: A Diverse Perspective**, Texas A&M University Academic Career Workshop Focus: Underrepresented Faculty, College Station, Texas, September 9, 2005.

7. (Workshop Presenter)
Gilbert, J.E., **How to Navigate the Tenure Process: A Diverse Perspective**, Texas A&M University Academic Career Workshop Focus: Underrepresented Faculty, College Station, Texas, September 9, 2005.
8. (Workshop Presenter)
Gilbert, J.E., Wilson, D. & Gupta, P., **Evaluating Voice User Interfaces Workshop**, SpeechTEK Conference, August 1, 2005.
9. (Workshop Presentation)
Jackson, J.F.L., Moore, J.L., Cole, D., McNeal, L., Gilbert, J.E., Williams, B.N., and Ford, D.Y., **The Theory of Reasoned Action: Examining Sociological Factors that Influence Education for African American Males**. American Education Research Association Annual Conference. April 12, 2005, Montreal, Canada.
10. (Workshop Presenter)
Gilbert, J.E., **Voice User Interface Workshop**, SpeechTEK Conference, September 13, 2004.
11. (Panel Discussion)
Gilbert, J.E. & Others, **The Survival of African American Men In The Academy: Rules of Engagement**, Vanderbilt University, Black Culture Center, October 11, 2002, Nashville, Tennessee.
12. (Best Poster Presentation)
Rankins, J., Gilbert, J., Brown, P., Pemberton, C., Kacmar C., McDuffie, E., **I-CAN: An Interactive-Computer Assisted Network for Bridging the Chronic Disease Divide between African-Americans and Caucasians**, ACM Richard Tapia Celebration of Diversity in Computing
October 20, 2001, Houston, Texas.

Honors & Awards

- 2009 **University of Texas at Austin IC² Institute Global Fellow**
- 2008 **National Associate of the National Research Council of the National Academies**
- 2009 **Featured as a Master of Innovation by Black Enterprise Magazine March 2009**
- 2009 **Black Engineer of the Year Modern Day Technology Leadership Award**
- 2009 **Auburn University Computer Science & Software Engineering Outstanding Engineering Faculty Award**
- 2009 **Information Today, Inc. Voice User Interface Design Contest Winner**

- 2008 **Fellow, Auburn University Center for Governmental Services**
- 2008 **National Society of Black Engineers Golden Torch Award for Pioneer of the Year**
- 2008 **BDPA Epsilon Award for Outstanding Technical Contribution**
- 2008 **Auburn University Distinguished Diversity Researcher Award**
- 2007 **Total System Services Inc. (T-SYS) Distinguished Associate Professorship**
- 2007 **ACM Distinguished Speaker**
- 2007 **Honored Member of the Premier International Who's Who Registry of Outstanding Professionals 2007-2008 Edition**
- 2007 **Minority Access, Inc. National Researcher Role Model Award Recipient**
- 2007 **Led the First Runner-Up and Best in Class Winner of the First Annual AVIOS Speech Application Contest Team**
- 2007 **Who's Who in Science and Engineering**
- 2006 **Total System Services Inc. (T-SYS) Distinguished Associate Professorship**
- 2006 **Elevated to Senior Membership of the IEEE Computer Society**
- 2006 **Microsoft Research External Research Fund Recipient**
- 2006 **Ralph H. Metcalfe, Sr. Chair - Marquette University**
- 2006 **Featured in City Year New York Martin Luther King, Jr. Mural Painting in Honor of Diversity in Technology**
- 2006 **Metropolitan Who's Who Registry**
- 2006 **Who's Who in America**
- 2006 **Invited as a Presenter at the 2006 National Academy Annual Meeting**
- 2005 **Invited to the National Academy of Engineering Frontiers of Engineering Symposia at the GE Global Research Center.**
- 2005 **Named an Honorary Citizen of Huntsville, Alabama by The City Council and Mayor of Huntsville**

- 2005 **100 Black Men of Greater Auburn/Opelika, Inc. Superior Academic Service Award**
- 2005 **American Society for Engineering Education Minorities in Engineering Award**
- 2005 **United Who's Who Executive Registry**
- 2005 **Auburn University Outstanding Minority Service Award**
- 2005 **Auburn University Alumni Outstanding Minority Achievement Award**
- 2005 **Auburn University Computer Science & Software Engineering Outstanding Engineering Faculty Award**
- 2005 **Black Engineer of the Year Special Recognition Award Recipient**
- 2004 **Invited to the National Academy of Sciences Beckman Frontiers of Science Symposia**
- 2003 **Auburn University Alumni Engineering Council Junior Faculty Research Award**
- 2003 **The Coalition to Diversity Computing Conference Scholarship Winner**
- 2002 **One of 250 researchers listed on LESTER (Learning Science & Technology Repository)**
- 2002 **Featured on Minority Scientist Network a publication of the American Association for the Advancement of Science**
- 2002 **Featured in Who's Who in Engineering Education (WWEE), 2002 edition**
- 2002 **(Profiled in Black Issues in Higher Education as a top scholar) (De)Programming Stereotypes. *Black Issues In Higher Education*. 18, 23, (2002).**
- 2002 **Georgia Institute of Technology FOCUS Fellow**
- 1999 **Miami University Leadership Commitment Selection**
- 1999 **ACM/IBM Quest for Java 99 Contest 5th Prize Winner**
- 1998 **International WHO'S WHO of Information Technology**
- 1997 **Albert C. Yates Fellowship, University of Cincinnati**
- 1995 **Dean's Fellowship, The Ohio State University**

- 1994 **Great Performance Award, NCR Corporation**
- 1990 **NCR Innovative Thinker's Contest Winner, Miami University**
- 1988 **NCR Minority Scholarship Award, Miami University**
- 1988 **Black Student Action Association Service Award, Miami University**

Experience

- 2009 – Present **Auburn University (Auburn, AL), Professor**
- 2005 – 2009 **Auburn University (Auburn, AL), Associate Professor**
- 2007 – Present **Founder and Chief Technology Officer, Applications Quest, LLC.**
-<http://www.ApplicationsQuest.com/>
- 2009 – Present **Technical Advisor to Everyone Counts Inc.**
-<http://www.EveryoneCounts.com/>
- 2006 – Present **Consultant, American Association for the Advancement of Science (AAAS)**
Center for Advancing Science & Engineering Capacity
http://php.aaas.org/programs/centers/capacity/01_About/01_ConsultantRoster.php
- 2000 – 2005 **Auburn University (Auburn, AL), Assistant Professor**
- 2000 – Present **Brothers of the Academy Institute**
*Webmaster
-<http://www.BrothersOfTheAcademy.org/>
- 1998 - 2000 **Miami University (OH), Visiting Instructor, Systems Analysis Department**
- 1997 **The Ohio State University (Teaching Assistantship)**
*C++ Programming for Engineers(Spring 1997)
- 1996 – 1997 **Computer Science Adjunct Faculty, Columbus State Community College, Columbus, Ohio**
*Database Programming with Oracle (Summer 1996)
*PC Operating Systems DOS/Windows (Autumn 1996)
*Program Design and Development(Winter-Spring 1997)

1988 – 1995 **NCR Corporation**, Dayton, Ohio
* Application Development and Consulting
* DBA for World Wide Orders System on Teradata Database
* Application Development in Visual C++
* Managed & documented Filepro database
* Installed PC's, printers, & software
* Investigated new system software

1988 – 1991 **Applied Science Department**, Miami University, Oxford OH
*Monitor PC-Network maintenance
*Monitor computer Lab Operations
*Tutor Systems Analysis majors
* Manage Network for engineering students

Consulting

2007 **Marquette University, Milwaukee, Wisconsin**
*Science, Technology, Engineering and Mathematics Regional Analyst

2007 **Montgomery County Community Corrections, Montgomery, AL**
*Software Development Consultant

2007 **Washington University, St. Louis, Missouri**
*Diversity Consultant

2006 **Tier Technologies, Inc. Auburn, AL**
*Voice User Interface Consultant

2004 – 2005 **College Broadband, Inc.**
*Developed the backend database for CollegeBroadband.com

2004 **Trinsic, Inc. (formerly Z-Tel)**
*Conducted usability studies of their voice user interface

7/30/2003 **Florida State University College of Education**
*Conducted a workshop on Animated Pedagogical Agents and the Haptek Agent platform.

2002 – 2003 **National Center for Supercomputing Applications (NCSA)**
* Developed Voice Interface to elVIAS search engine web portal

- 1997 – 2002 **VideoDesk Productions**
 *Website development & Interface Consulting
 *20th Century Interactive CD-ROM
 -Developed an interactive CD-ROM (30,000 copies)
 -<http://www.20thcenturyinteractive.org/>
- 10/16/2000 - **Training Solutions Orlando, FL**
 10/18/2000 *Trained IBM/ATT Employees on the Teradata 5100 Database

Memberships

IEEE Computer Society

ACM (Association for Computing Machinery) (<http://www.acm.org/>)

ACM U.S. Public Policy Committee (USACM) (<http://usacm.acm.org/>)

Usability Professional's Association (UPA)

American Association for the Advancement of Science (AAAS)

American Society for Engineering Education (ASEE)

International Artificial Intelligence in Education Society (AIED)

AACE (Association for the Advancement of Computing in Education)

American Association for People with Disabilities (AAPD)

American Education Research Association (AERA)

AVIOS (Applied Voice Input/Output Society)

ACM SIGIR

Special Interest Group on Information Retrieval

ACM SIGCHI

Special Interest Group on Computer-Human Interaction

ACM SIGAPP

Special Interest Group on Applied Computing

National Society of Black Engineers (NSBE)

Adaptive Hypertext & Hypermedia

Institute for African American eCulture (iAAEC)

Upsilon Pi Epsilon

BDPA (Black Data Processing Association)

President of Brothers of the Academy Institute 2005 – Present

Kappa Alpha Psi Fraternity Inc.

Service

2007 – 2009	IEEE Computer Society Board of Governors
2006 - 2008	IEEE Computer Broadening Participation in Computing Column Editor
2008	National Academy of Science France – U.S. Kavli Frontiers of Science Symposium Organizing Committee Member
2008	Served on the U.S. Election Assistance Commission Interdisciplinary Roundtable on Voluntary Voting Systems Guidelines (VVSG)
2009	IEEE International Conference on Multimedia & Expo (ICME 2009) Technical Program Committee
2008	College Board and NSF Advanced Placement Computer Science Commission
2009	Speech Technology Conference Committee
2008	Auburn University Center for Governmental Services Associate Director Search Committee Chair
2008 – Present	CRA-W/CDC Discipline Specific Mentoring Workshop Co-Chair
2006 – Present	Editorial Advisory Board – Speech Technology Magazine
2008	Auburn University Outreach Symposium Committee

- 2008 – Present **Auburn University Black Graduate and Professional Student Association (BGPSA) Faculty Advisor**
- 2007 **Served on the U.S. Election Assistance Commission Roundtable on Voluntary Voting Systems Guidelines (VVSG)**
- 2007 – Present **Advisory Board Member for The Information Technology and Innovation Foundation’s Electronic Voting Initiative**
- 2007 – Present **Advisory Board Member for Juxtopia Inc.**
- 2006 – Present **Advisory Board Member for the Center for African-American Research and Policy**
- 2007 **Auburn University Diversity Research Institute Planning Committee Member**
- 2007 – 2010 **American Education Research Association (AERA) Communications and Outreach Committee Member**
- 2007 **SpeechTEK 2007 Voice User Interface Workshop Co-Chair VUI Designer as a Profession: Job Qualifications & Career Tracks**
- 2007 **Reviewer for Journal of STEM Education**
- 2007 **Reviewer for INTERACT 2007**
- 2007 **Workshop Committee Co-Chair for the 1st NSF International Workshop on Virtual Instructors, VI-2007, Georgetown University, May 21-22, 2007.**
- 2007 **Program Committee Member for the 2007 “Fixing the Academy” Tapping Black Excellence on White Campuses Conference, Johns Hopkins University, April 13-14, 2007.**
- 2006 – Present **Advisory Board for the QEM INFLOW Project, a project of the Quality Education for Minorities (QEM) Network supported by the National Science Foundation’s Engineering Directorate.**
- 2006 – 2007 **ACM Southeast Conference 2007 Program Committee**
- 2006 – 2007 **IEEE Computer Society Technical Committee on Learning Technology - Virtual Instructors Pilot Research Group (VIPRG) Conversational Interface Sub-Committee Chair**

- 2007 – Present **Serving on the Auburn University Athletics Department Student Athlete Support Services (SASS) Advisory Board**
- 2007 **Auburn University Outreach Symposium Committee Member**
- 2007 - Present **Auburn University College of Engineering Graduate Student Recruitment Committee**
- 2007 **ACM Richard Tapia Celebration of Diversity in Computing Birds of a Feather Co-Chair**
- 2007 **Reviewer for ACM CHI 2007**
- 2007 **Fixing the Academy: Tapping Black Excellence on White Campuses Papers Co Chair**
- 2006 **Reviewer for the International Journal of Interactive Technology and Smart Education**
- 2006 **Reviewer for IEEE Computer**
- 2006 **Reviewer for Journal of Women and Minorities in Science and Engineering**
- 2006 – 2007 **Served on the 2007 Program Committee for the Association of Computer and Information Science/Engineering Departments at Minority Institutions (ADMI)**
- 2006 **Program Committee Member for InterSpeech Satellite Workshop titled “Dialogue on dialogues: Multidisciplinary Evaluation of Advanced Speech-based Interactive Systems “**
- 2006 **Chaired the organization committee for the National Academy of Sciences Kavli Frontiers of Science Symposia**
- 2005 - 2007 **The American Society for Engineering Education (ASEE) Minorities in Engineering Award Committee Member**
- 2005 – Present **Auburn University Title VI Committee Member.**
- 2006 **Reviewer for the International Journal of Human-Computer Interaction**
- 2006 **Served on 2 NSF Proposal Panel**

2005 **Served on 3 NSF Proposal Panels**

2005 - Present **Black Data Processing Association (BDPA) Information
Technology Institute Academic Chair**

2005 **International Conference on Multimodal User Interfaces (ICMI)
Universal Access Program Area Chair**

2005 **ACM Richard Tapia Conference
Celebration of Diversity in Computing
Served on the Scholarship Committee**

2005 **Served on the organization committee for the National Academy
of Sciences Beckman Frontiers of Science Symposia**

October 20-21,
2004 **Served on the Computing Research Association's (CRA)
Workshop on Broadening Participation in Computing.**

August 8, 2004 **Served as the High School and College IT Showcase Lead Judge
at the 26th Annual National BDPA Conference.**

Present **On the Editorial Review Board for International Journal on
ELearning and the Journal of Interactive Learning Research.**

May 2004 -
August 2004 **Abstract Selection Committee for the 2004 SACNAS Conference
(Society for Advancement of Chicanos/Latinos and Native
Americans in Science),
Austin, Texas from October 21-24, 2004.**

February 2004 -
Present **VoiceXML University: VoiceXML Education Exchange Review
Board Member
(http://www.voicexml.org/resources/vxml_university/index.html)**

April 2004 **International Conference on Computing, Communications and
Control Technologies: CCCT'04**

Served on the External Paper Review Committee

2004 **NSF Proposal Review Panel**

March 25, 2004	The 4th International Conference on Advanced Learning Technologies (ICALT 2004) Aug. 30 - Sep. 1, 2004
	Served on the External Paper Review Committee http://lttf.ieee.org/icalt2004/committees.html
2003	Served on 3 NSF Proposal Review Panels
October 15-18, 2003	ACM Richard Tapia Conference Celebration of Diversity in Computing Served on the Scholarship Committee
October 1, 2003	SpeechTEK 2003 Served as Moderator for the Building Brands with Speech Solutions Panel
Fall 2003	Served on the Africana Studies Major/Department Proposal Committee for President Walker, lead by Dr. Keenan Grenell, Interim Assistant Provost for Diversity and Multicultural Affairs
August 22, 2003	Served as a Review for Systemics, Cybernetics and Informatics 2003
August 19, 2003	Participated in the design of the VoiceXML Application Developer Exam (developed by The VoiceXML Forum)
August 13-18, 2003	BDPA 2003 25th National Annual Conference Workshops Deliver Manager/Chair
August 6, 2003	Serving as a reviewer for the Journal of Computing in Higher Education
Spring 2003	Advised 2 undergraduate seniors at Tuskegee University on their senior project.
2002 – Present	Miami University Department of Computer Science & Systems Analysis Advisory Committee Member
2003	National Black Data Processing Association Conference Workshop Chair

- 2002 **NSF Proposal Review Panel**
- October 2002 **McGraw Hill Book Review (For the 2nd time)**
C++ Programming: Lessons and Applications
by T. B. D'Orazio
- October 2002 **McGraw Hill Book Review**
C++ Program Design
by Cohoon and Davidson
- June 6, 2002 **Black Data Processing Association & The Black World Today**
Radio Talk Show Guest
- April 2002 **ACM Crossroads Magazine**
HCI Issue Reviewer
- March 2002 **McGraw Hill Book Review**
Applied C: An Introduction and More
by Alice Fischer, David Eggert & Stephen Ross
- January 2002 **McGraw Hill Book Review**
C++ Programming: Lessons and Applications
by T. B. D'Orazio
- Summer 2001 Project NIA:
Taught summer course on computers to 7th and 8th graders from
Loachapoka Junior High School.
- 2001 **Served on 3 NSF Proposal Review Panels**

Graduate Students (Major Professor)

	Graduate Student	Graduation Date	Degree
1.	Gregory Rogers	May 4, 2009	M.S.
2.	E. Vincent Cross, II	April 24, 2009	Ph.D.
3.	Caio Soares	April 11, 2009	M.S.
4.	Jamey White	July 16, 2008	M.S.W.E.
5.	David Thornton	July 14, 2008	Ph.D.
6.	Philicity Williams	April 9, 2008	M.S.
7.	Jennifer Garmon	May 7, 2007	M.S.W.E.
8.	Andrea Williams	April 17, 2007	M.S.
9.	Ashley Wachs	April 6, 2007	M.S.

10.	Kathryn Nobles	April 5, 2007	M.S.
11.	Derek Anderson	April 5, 2007	M.S.W.E.
12.	Kinnis Gosha	April 2, 2007	M.S.
13.	Christin Hamilton	December 6, 2006	M.S.W.E.
14.	Spencer Lee	August 4, 2006	M.S.
15.	Dale-Marie Wilson	July 12, 2006	Ph.D.
16.	Alexandria Williams	June 30, 2006	M.S.
17.	Chao Wang	June 9, 2006	M.S.
18.	Sanjith David	May 12, 2006	M.S.W.E.
19.	Billy T. Baker	July 13, 2005	M.S.W.E.
20.	Andre Murphy	April 8, 2005	M.S.W.E.
21.	Michele Williams	April 8, 2005	M.S.W.E.
22.	E. Vincent Cross, II	January 14, 2005	M.S.W.E.
23.	Nicholas J. Parks	November 29, 2004	M.S.W.E.
24.	Tongmin Shen	October 5, 2004	M.S.
25.	Priyanka Gupta	July 7, 2004	M.S.
26.	Bettina Cornelius	July 2, 2004	M.S.
27.	Kristie Goss	May 5, 2004	M.S.
28.	Sangeeta Garhyan	May 4, 2004	M.S.
29.	Laura McDonald	April 12, 2004	M.S.W.E.
30.	Michelle Howell	November 6, 2003	M.S.W.E.
31.	Yapin Zhong	September 16, 2003	Ph.D.
32.	Adeoye O Adeyemo	July 17, 2003	M.S.W.E.
33.	Yifang Gu	July 16, 2003	M.S.W.E.
34.	Yu Zhang	July 16, 2003	M.S.W.E.
35.	Tanecia K. Simmons	June 16, 2003	M.S.W.E.
36.	Weihong Hu	May 21, 2003	M.S.
37.	Dale-Marie Wilson	December 5, 2002	M.S.
38.	Xiaoyan Qi	October 25, 2002	M.S.W.E.
39.	Yuehua Lin	July 26, 2002	M.S.
40.	Dackral Phillips	July 9, 2002	M.S.
41.	Nupura Kolwalkar	June 26, 2002	M.S.W.E.
42.	Haiyu Qi	May 30, 2002	M.S.W.E.