Some Reflections on My Career

Bryant W. York
March 26, 2019
Circle of Life
26 Ambrose St. Roxbury, MA
Steven Everett York 1948-1960
Institutions that I have passed through

**Predominantly White**
- Aaron Davis School
- Dearborn School
- St. Patrick’s Catholic Church
- Boston Latin School
- Boy Scouts of America
- U.S. Post Office; Hood Milk Co.
- Brandeis University
- John Hancock Life Insurance Company
- Massachusetts Institute of Technology
- Travelers Equities Sales
- Travelers Insurance Company
- University of Connecticut Law School
- University of Massachusetts
- IBM Research Labs
- Digital Equipment Corporation
- Boston University
- US National Science Foundation
- Northeastern University
- Portland State University
- ACM, IEEE-CS, SIAM, AAAS

**Predominantly Non-White**
- Dearborn School
- St. Richard’s Catholic Church
- Charles Street AME Church
- Roxbury Neighborhood House
- Cooper Community Center
- Roxbury Hilltop Center (Project HeadStart)
- Opportunities Industrialization Centers
- UMASS – University Without Walls
- African American Scholars for Citizenship and Community (AASCC), founder
- Institute for African American eCulture (IAAeC), founder
- Richard A. Tapia Celebration of Diversity in Computing Conference Series, founder
- Center for Minorities and People with Disabilities in IT (CMD-IT), founder
Am I more than just the sum of the value-added by each of these institutions?
Some Inspirational Forces

Inspirations

- Mabel Daves York, John O’Bryant
- Jackie Robinson & Willie Mays
- Ralph D’Angelo, Bunky Cousins
- Bill Russell, Conrad Jamieson
- Wilma Rudolph & Cassius Clay
- Angela Davis, James Baldwin & Malcolm X, Louise Corbin
- Burton White, Denis Blackett
- MLK Jr. & Robert Kennedy
- Muhammad Ali, John Carlos, Tommie Smith, Craig Yorke Jr
- Michael Arbib, Art Karshmer, Donna Summer, Robert Moll, Al Hanson
- Nelson Mandela, Anita Borg, Nils Nilsson, Maria Klawe, Jim Gray
- Nico Habermann, Yuris Hartmanis & Peter Freeman, Valerie Taylor, Richard Tapia, Richard Ladner, Nora Sabelli
- Ivan Sutherland

Some Historical Events

- WW II
- Integration of MLB
- Brown v. Board of Education
- Emmett Till murder; Rosa Parks
- Sputnik
- 1960 Summer Olympics; Steven York Killed; Cuban Missile Crisis; Bay of Pigs
- Birmingham 4; March on Washington; JFK assassinated
- Bloody Sunday; Malcolm X assassinated; Vietnam war; Watts riots
- Monica and Portia are born; MLK Jr. & RFK assassinated; 1968 Summer Olympics; Ali refuses induction
- Rumble in the Jungle; Watergate; Nixon resigns
- Chandler is born; Desert Storm; Clinton impeached
- 911; Afghan war; Iraq war; Obama elected
Some people who inspired me
More people who inspired me
Some Young(er) People who really inspire me

Taylor  Isbell  Howard  Blake  Pinkston  Kinsy  Yorke
Weatherspoon  Jenkins  Anderson  Teuscher  Parker  Beyah  Cheeks
Metoyer  Daily  Branch  Gilbert  Mickens  Song  Dillahunt
Inspiring People w/o Photos

- John D. O’Bryant (VP NEU, taught me chess at age 5)
- Ralph D’Angelo (my 4th and 5th grade teacher)
- Chauncey Pope Sr. (Mgr Charles St Giants 1951-1957)
- Bunky Cousins (Coach Charles St Giants 1951-1957)
- Louise Corbin (Dir. Hilltop Center 1965-1968)
- Sid Rosenthal (English Teacher BLS, 1961-1963)
- Denis Blackett (Dir. Roxbury Dev. Corp.)
- Dr. Burton White (Dean, Harvard Sch. of Education)
- Richard Ladner (Head, Access Computing, UW)
Did I give back as much as I received?
Some Waypoints

- Helped build Hilltop Center (First Project HeadStart), 1965-1966
- Taught adults to read at Dr. Leon Sullivan’s Opportunities Industrialization Centers, OIC, 1968
- Taught math course in Pittsfield state prison through UMASS University without Walls, 1975
- Galapagos Islands (1983); lived in Japan (1984); worked in Borneo (1987)
- Program officer, NSF/CISE, 1990-91, special projects for women, minorities, and persons with disabilities
- Co-founder AASCC (1997); co-founder iAAeC (1999)
- Mentored numerous BS, MS, and PhD students of all races, genders, and sexual orientation
- Taught in China 2005 - 2010
Some Communications

- Bob Moran email
  BobMoranEmail.pdf
- HeadStart Letter
  HeadStartLetter.pdf
- Tapia Letter
  Tapia_Letter06282000.pdf
- Doorman article
  Doorman.pdf
Any Principles Gleaned?

- Thinking Machine ("children of every color dream")
  Superman.mp4
- PBE ("we are all able; it is just a matter of degree")
  PBEshort.mp4
- Banneker ("Your image of the child is where teaching begins", Lori Malaguzzi)
  Banneker.mp4
- Borneo ("take some risks")
  Curly.mp4
End
Biographical Sketch
September 2015
Bryant W. York, Ph.D.
Professor, Department of Computer Science
Portland State University
http://web.cecs.pdx.edu/~york/

Research:
Dr. York has research publications in several areas of computer science, including computer vision, expert systems, software engineering, computer assistance for persons with disabilities, parallel computation, crystallographic computations, computational physics, computational algebra, and artificial neural networks. Most of this work relates to the development of algebraic and combinatorial computations on parallel machines. Recently he has begun to focus on computer games as means for understanding the development of early logical thinking skills in young children.

Education:
Dr. York's educational background includes the A.B. in mathematics from Brandeis University, the M.S. in management from MIT, and the M.S. and Ph.D. in computer science from the University of Massachusetts - Amherst. He has held industrial research positions at the IBM Research Labs in San Jose, CA and at Digital Equipment Corporation's Artificial Intelligence Technology Center in Hudson, Massachusetts. He is currently professor in the Department of Computer Science at Portland State University; formerly associate professor and research director for the College of Computer Science at Northeastern University (1991 - 2001); and formerly associate professor of computer science at Boston University (1986 - 1990). During 1990-1991 he served as a program officer at NSF and as a guest researcher at the Center for Computing and Applied Mathematics at the National Institute of Standards and Technology.

Service:
Dr. York was (1992 - 1998, 2002 - 2006) a member of the Advisory Committee for the Computer Information Science and Engineering Directorate of the National Science Foundation; a member (1991 - 1994) of the Advisory Panel for the Ethics, Values, and Society program within the Social Behavioral and Economic Sciences directorate of the National Science Foundation; a member of several professional organizations including ACM, IEEE-CS, SIAM, AAAI, and AAAS. Dr. York has served on the ACM Education Board (1991 - 1996) and the ACM U. S. Public Policy Committee (1992 - 1998). He was the 1994 chair of the ACM committee on minorities and he organized the first NSF-sponsored workshop on increasing participation of minorities in the computing disciplines (May 1995). In 1997 he helped to co-found the African American Scholars for Citizenship and Community (AASCC) and in 2000 he co-founded the Institute for African American eCulture (IAAeC). He was chair (2006-2007) of the Coalition to Diversify Computing (CDC), jointly funded by the Association for Computing Machinery (ACM), the Computing Research Association (CRA), and the Institute for Electrical and Electronic Engineers' Computer Society (IEEE-CS), as well as chair (2006-2007) of the Section T on Information, Computing and Communications of the American Association for the Advancement of Science (AAAS). He has been twice appointed to the Board of Directors of the Computing Research Association (CRA) (2002-2003, 2005-2006) and elected to a full three-year term (2006 - 2009). In 2008 Dr. York was appointed to the Advisory Committee of the National Science Foundation’s Education and Human Resources Directorate (2008 - 2014); to the Education, Outreach and Training (EOT) Advisory Board of the NSF-funded iPlant Collaborative (2008 - 2012); to the EOT Advisory Committee of the ENSEMBLE National Science Digital Pathways project (2008 - 2010); and to the Advisory Board of the ACM/WGBH New Image of Computing project (2008 - 2010). He was also a participant in and an advisor to several NSF Broadening Participation in Computing (BPC) Alliances and Demonstration projects (2006 - 2012). Dr. York has been a mentor to over 60 PhDs in computer science from underrepresented groups and more than 20 majority group PhDs. He is a co-founder and past chairperson (2011-2015) of the board of
directors of the Center for Minorities and People with Disabilities in Information Technology (CMD-IT). Professor York established and conducts annual workshops on academic career development for underrepresented minorities in computing, 2005 – present (currently through CMD-IT). He is a co-founder of the Richard A. Tapia Celebration of Diversity in Computing conference series.

Awards and Honors:
In 1998 he received the A. Nico Habermann Award for service to underrepresented minorities in computing and in 2001 he received the first Richard A. Tapia Achievement Award for Scientific Scholarship, Civic Science and Diversifying Science. Dr. York has won the ADMI award for service to minority institutions twice (1991, 1997). In 2001 he was selected as one of the 50 most important Blacks in technology and in 2006 he was selected as one of the 100 most important Blacks in technology by the editors of US Black Engineer and Information Technology magazine. In January 2007 Dr. York was named a Fellow of the Association for Computing Machinery (ACM) for his leadership over the years in broadening participation in computing. In July 2007 he received the first Footprints Award at the African American Researchers in Computer Science (AARCS) Conference for his years of service as a mentor and role model. In February of 2008 Dr. York was again named one of the 50 most important African Americans in Technology by souloftechnology.com. In May 2009 he was the recipient of the First Outstanding Alumni Award for Contributions to Society from the Department of Computer Science at the University of Massachusetts – Amherst.

Some Educational and International Activities:
For the past several years Professor York has been more heavily involved in educational and international activities. He has traveled to China ten times in order to develop working relationships with faculty at three institutions, Xiamen University, Fuzhou University, and Northwest Polytechnic University in Xi’An. Two of these universities are in Fujian province which is the sister state of Oregon. In addition to giving lectures on parallel scientific computing and running workshops on collaborative techniques and grant proposal development, he has spent a significant amount of time studying China’s minority cultures and learning Mandarin. Professor York was selected as a U.S. delegate to the NSF-funded First U.S. – China Computer Science Summit, held in Beijing in May 2006, and gave a presentation on differences and similarities between basic and applied research in the two countries. He also participated in the U.S. – China Computer Science Summit II held in Washington, DC in July 2008.

Dr. York’s completed NSF grant (2000 – 2006) on “New Approaches to Human Capital Development through Information Technology Research” studied aspects of culture-specific and culture-sensitive approaches to pedagogy and assessment with respect to African Americans within American culture.

Five Publications:
- Some Results for Chaotic Times Series Prediction Using Clifford Neural Networks, Qing Yi and Bryant W. York, Proc. of Seventh International Conference on Signal Processing, Beijing, China, August 2004.
Bryant W. York  September 2019

Bryant W. York
bryantyork23@gmail.com
http://www.cs.pdx.edu/~york

Education:
Ph.D. University of Massachusetts - Amherst, Computer Science, 1981
M.S. University of Massachusetts - Amherst, Computer Science, 1976
S.M. Sloan School of Management, M.I.T., Management, 1971
A.B. Brandeis University, Waltham, MA, Mathematics, 1967
Boston Latin School, 1963

Professional Experience:
9/01 – 9/19: Professor, Department of Computer Science, retired 9/14/2019
9/04 – 9/14: Co-Director, Laboratory for Learning and Adaptive Systems
Portland State University, Portland, OR 97207
9/01-9/04: Professor and Research Director, Department of Computer Science, Portland State University, Portland, OR 97207
9/91-9/01: Associate Professor and Research Director ,College of Computer Science, Northeastern University, Boston, MA
9/90-9/91: Program Director, CISE/CDA, National Science Foundation, Washington, DC 20550
9/90-8/91: Visiting Research Scientist, Center for Computing and Applied Mathematics National Institute of Standards and Technology, Gaithersburg, MD 20899
1/86-8/91: Associate Professor (on leave 1990-91), Computer Science Department, Boston University, Boston, MA
6/84-1/86 Consulting Software Engineer, AI Technology Group, Digital Equipment Corporation, Hudson, MA
2/83-6/84 Principal Software Engineer, AI Technology Group, Digital Equipment Corporation, Hudson, MA
6/79-2/83 Research Staff member, Computer Science Dept, IBM Research Labs, San Jose, CA
9/75-6/79 University of Massachusetts, Amherst, MA, Research and teaching assistantships.
9/71-9/74 Senior Planning Analyst, Travelers Equities Sales, Inc. and Travelers Insurance Co., Hartford, CT


Languages and Systems: C, C++, Java, Tcl/Tk, LISP, JESS, FORTRAN, APL2, Dyalog APL, PASCAL, C*, *LISP, PARIS, PVM, MPI, MC68000 ASM, SPARC ASM, WorldToolKit, SQL, UNIX/Linux, VAX/VMS, MULTICS, CMOST, CP/CMS, MAC, WINDOWS 95/98/NT/2000/XP/7/8.


Professional Service:
- Member, Advisory Board, Commonwealth Alliance for Information Technology Education (CAITE), an NSF Broadening Participation in Computing Alliance, 2012 – present.
- Member, Advisory Board, Expanding Computing Education Pathways (ECEP), an ANSG Broadening Participation in Computing Alliance, 2013—present.
- Member, National Science Digital Pathways (ENSEMBLE) Project EOT Advisory Board, August 2008 – 2012.
- Member, Advisory Committee of the National Science Foundation Education and Human Resources Directorate, February 2008 – 2014.
- Elected Member, Board of Directors, Computing research Association (CRA), 2006-2009, Habermann Award Committee, Elections Committee.
- Chair, ACM Distinguished Service Award Committee, 2007 – 2008.
- Chair, Section on Information, Computing, and Communication (T), American Association for the Advancement of Science, 2007-2008.
- Member, Board of Directors, Oregon MESA, 2005-2007
- Chair, Coalition to Diversify Computing, 2006-2007
• Chair, EPIC (Engaging People in Cyberinfrastructure) Advisory Board, 2005-2006
• Member, National Science Foundation CISE Directorate Advisory Committee, May 2002-July 2006.
• Member, National Science Foundation Advisory Committee for the Science and Technology Centers Program, 1996
• Member, National Science Foundation CISE Directorate Advisory Committee, 1992-1998
• Member, National Science Foundation Advisory Panel on Applications of Advanced Technology in Education Program, 1994-1995
• Member, National Science Foundation Advisory Panel for Ethics, Values and Society, 1991-1994
• Member, ACM Education Board, 1991-1996
• Member, ACM U. S. Public Policy Committee, 1992-1999
• Chair, ACM Committee on Minorities, 1994-95
• Interim Eastern Regional Representative to ACM, 9/96-9/97
• Minority mentor, New England Board of Higher Education, 1992-present
• NSF panelist - 1988-present (except 1990-91)
• NSF reviewer - 1989-present (except 1990-91)
• Member, Program Committee, Society and the Future of Computing 96, 1996
• Co-chair, Education Committee for Supercomputing 97 Conference, 1995 - 1997
• Member, Advisory Committee for establishing a Ph.D. program in Computer Science and Engineering, University of Puerto Rico, 1996 - 1998
• Member, National Computational Science Alliance Users Advisory Council, 1998-2001
• Chair, Panels Committee for SC99 (formerly Supercomputing), 1998-99
• Member, Steering Committee, Coalition to Diversify Computing (CDC) 1999 – 2005
• Technical Program Chair, First Richard Tapia Symposium to Celebrate Diversity in Computing, Houston, TX, October 2001
• General Chair, 2003 Richard Tapia Conference to Celebrate Diversity in Computing, Atlanta, GA, October 2003
• Co-founder, African American Scientists for Citizenship and Community (AASCC), 1997.
• Co-founder, Institute for African American eCulture (IAAeC), 1999.

Reviewing:
• Communications of the ACM
• Neural Networks
• Journal of Symbolic Computation
Awards:
- Recipient of First Outstanding Alumni Award for Contributions to Society from the Computer Science Department, University of Massachusetts – Amherst, May 2009.
- Named one of the 50 Most Important African Americans in Technology by souloftechnology.com, February 2008
- Recipient of the First AARCS (African American Researchers in Computer Science) Footprints Award, July 2007
- ACM Fellow, 2006.
- Selected one of the 100 Most Important Blacks in Technology, Black Engineer of the Year Awards, Baltimore, MD, February 2006.
- Outstanding Faculty Researcher Award, College of Engineering and Computer Science, Portland State University, 2003 – 2004.
- Recipient of the first Richard A. Tapia Award for Scientific Scholarship, Civic Science and Diversifying Science, 2001
- Selected one of the Top 50 African Americans in Technology, August 2001
- Computing Research Association (CRA) A. Nico Habermann Award, 1998
- Association of Departments of Computer Science and Engineering at Minority Institutions (ADMI) Service Award, 1991, 1997
- National Science Foundation Equal Opportunity Award, 1991
- University of Massachusetts, National Fellowships Fund Fellowship, 1977-79
- MIT, Jonsson Fellowship, 1969-1971

University and College Committees:

Portland State University
- Research Director, Department of Computer Science, 2001 – 2004
- Tenure Committee, Department of Computer Science, 2001 – present
- Hiring Committee, Department of Computer Science, 2002 – present
- Nanotechnology Committee, 2005 - 2011
- Internationalization Committee, 2005 – 2011
- Member, Undergraduate Committee, 2008 - present
- Chair, Undergraduate Curriculum Revision Committee, 2011-2012
- Chair, Awards Committee, 2018-2019.

Northeastern University
- Research Director, College of Computer Science, 1991 – 2001
- Member, University Research Council (Presidential Appointment), 1991 – 1995
- Member, Minority Faculty Recruitment and Retention Committee, 1993-2000
- Member, Administrative Committee, College of Computer Science, 1991-2001
- Member, Undergraduate Committee, College of Computer Science, 1993-2001
- Member, University Strategic Planning Task Force on Research and Scholarship, 1992-93
- Member, University Strategic Planning Focus Group on Minorities, 1992-93
Consulting:
- Prometheus, Inc., 2012 – 2015
- Bayer Healthcare LLC Diabetes Care, 2008 – 2010
- Onyx Sciences Corporation, Boston, MA., Multimedia software, 12/94-6/97
- Dana Farber Cancer Institute, Boston MA, Client/Server Database Applications, 6/95-11/95
- General Dynamics, San Diego, CA and Pomona, CA, Software Systems, 1/78-6/79

Member of Ph.D. Dissertation Committees
- Ugo Buy, University of Massachusetts-Amherst, 1989
- Jonathan Marshall, Boston University, 1990
- Pablo Tamayo, Boston University, 1990
- Mike Yung, Boston University, 1990
- Dino Oliva, Northeastern University, 1994
- Andy Huang, Brandeis University, 1994
- Paul Steckler, Northeastern University, 1994
- David Gladstein, Northeastern University, 1995
- Walter Hürsch, Northeastern University, 1995
- Jose Fridman, Northeastern University, 1996
- Amirhooshang Hashemi, Northeastern University, 1997
- Christopher Chambers, Portland State University, 2006
- Faisal Khan, Portland State University, 2009
- Edward Kaiser, Portland State University, 2009
- Juncao Li, Portland State University, 2010
- Candy Yiu, Portland State University, 2011
- Philip Howard, Portland State University, 2012
- Kecheng Hao, Portland State University, 2013
- Navaneeth Jamadagni, Portland State University, 2015

M. S. Theses Supervised
- Veniamin Daskalakis, Boston University, 1990
- Robert Carter, Boston University, 1990
- Leilei Bao, Northeastern University, 1994
- Rafael David, Northeastern University, 1995
- Qing Yi, Portland State University, 2004
- Holly Grimes, 2009
- Keith Wilson, 2011
B. S. Theses Supervised
- Geoffrey Hulten, Northeastern University, 1997
- Nick Pilkington, Portland State University, 2007

Publications:
- “Some Results for Chaotic Times Series Prediction Using Clifford Neural Networks”, Qing Yi and Bryant W. York, Proc. of Seventh International Conference on Signal Processing, Beijing, China, August 2004.
• “A Surface Representation for Computer Vision”, B. York, A. Hanson, E. Riseman, Proc. of Workshop on Picture Data Description and Management, August 1980, Asilomar, CA

Grants:
• Consultant to “Zoombinis: An Implementation Research Study of a Computational Thinking Game for Upper Elementary and Middle School Learners”, NSF, DRK12, $1,900,000, 8/01/2015 – 7/31/2018. Portions of the grant are based on work that York did with TERC in 2002. 
  https://www.terc.edu/display/Newsroom/TERC+Receives+National+Science+Foundation+Research+Grant+to+Examine+the+Development+of+Computational+Thinking+in+Game-Based+Learning
• BPC-AE: An Extension to Widening the Research Pipeline, NSF, $1,750,000, co-PI York, 08/01/2008 – 07/31/2011.
• Oregon Nanoscience and Microtechnologies Institute: Nanometrology and Nanoelectronics Initiative, John Carruthers, Principal Investigator, $2,370,000, Office of Naval Research, 1/1/2007 – 1/1/2008, York is a research team member on subcontract in Nanocrystallography with Peter Moeck.
• “ITR/EWF: New Approaches to Human Capital Development through Information Technology Research”, $3,176,944, NSF, PI: York, 09/15/00 - 09/14/05.
• “Novel Mathematical/Computational Approaches to Image Exploitation”, U. S. Air Force STTR subcontract, Phase II, $163,190, 04/15/00 - 04/14/02.
• “GK-12: STEM Graduate Teaching Fellows Program”, NSF, 09/01/1999 - 09/30/2002, $1,000,000, co-PI with David Blackman, and Thomas Gilbert.
• “Novel Mathematical/Computational Approaches to Image Exploitation”, U. S. Air Force STTR subcontracts, $29,485, 08/01/98 - 02/01/00.
• “Increasing Minority Participation in CISE Disciplines”, NSF CISE/CDA Special Projects, $49,619, PI: York, 09/15/94 - 08/31/95.
• "Developing Mathematical and Algorithmic Intuition in Inner-City Minority Students: A Pilot Project", NSF, $49,635 for 1 year 02/15/94 - 07/31/95.
• "Curriculum Development in Data Parallel Programming", Research agreement with Thinking Machines Corporation, Cambridge, MA., 11/01/93 - 10/30/94.
• "Multiscale Digital Communications", ARPA Grant MDA 972-93-1-0023, 06/30/93 - 12/31/95, J. Proakis (principal investigator), York is one of the supported personnel.
• "Development of Massively Parallel Algorithms for Group and Graph Computations in Quasicrystal Analysis", NASA, $204,873 for 3 years 09/30/92 - 09/30/95.
• "Parallel Automated Reasoning and Clause Graph Analysis", NSF, $99,108 for 2 years 09/30/91 - 06/30/93. Two REU supplements awarded for a total of $20,000.
• "Boston University Workshop on Computers and Persons with Disabilities", NSF, $6,800. 09/30/89 – 08/31/90.

Technical Reports:
• "Computers and Persons with Disabilities" B. W. York, BUCS TR 89-013, Computer Science Department, Boston University, October 1989.
• ‘PBE: Programming By Ear (A programming Environment for the Visually Handicapped), B. W. York, BU-CS TR 87-009, Computer Science Department, Boston University, September 1987.
• ‘An Introduction to Forms and Logic’, B. Doyle, M. Friedman, B. W. York, BUCS TR 87-008, Computer Science Department, Boston University, July 1987.

Presentations and Workshops:
• “Prime Number Graphs and Semiprime Factorization”, University of Florida, September 22, 2015.
• Organizer, presenter, and panelist at Academic Careers Workshops for Underrepresented Faculty annually 2010-2015.
• NSF Open Community Meeting: NSF Task Force for Cyber learning and Workforce Development held in Washington, DC on September 22, 2010.
• Keynote address, STARS Celebration, “Computational Thinking, Visualization, and the Advancement of Science in the Twenty-First Century”, Orlando, FL, August 10, 2010.
• Academic Career Development Workshop for Underrepresented Junior Faculty, April 4-5, 2009, Portland, Oregon.
• Academic Career Development Workshop for Underrepresented Junior Faculty, November 30, 2007 – December 2, 2007, Texas A&M University, College Station, TX.
• Microsoft Faculty Research Summit, July 15-17, 2007, Redmond, WA
• High Performance Computing and Ocean Modeling, Northwest Polytechnical University, Xi’an, China, October 13, 2006.
• Academic Career Development Workshop for Underrepresented Junior Faculty, September 28-30, 2006, Texas A&M University, College Station, TX.
• High Performance Computing and Ocean Modeling, Xiamen University, Xiamen, China, September 12, 2006.
• Broadening Participation in Computing, Presentation to the Network of Intel African American Employees, March 24, 2006, Hillsboro, OR
• NSF PIs Meeting and Workshop on Broadening Participation in Computing, March 9-10, 2006, Atlanta, GA
• Merlo Station High School Science Fair judge, Beaverton, OR, February 2, 2006.
• NSF Workshop on Integrated Computing Education and Research (ICER), Stanford University, January 27-29, 2006.
• “High performance Computing and Networking in Support of Ocean Science and Engineering”, December 9, 2005, Xiamen University, Xiamen, China.
• “Research Collaborations in E-Science between USA and China”, December 5, 2005, National Science Foundation – Beijing Office, Beijing, China.
• “Grant Proposal Development for New Minority Faculty”, Computer Science Academic Careers Workshop for Underrepresented Junior Faculty, Texas A&M University, College Station, TX, September 8-9, 2005.
• Workshop on Simulation and Games”, Stanford University, July 25-29, 2005.
• “Collaborative Enhancement Opportunities for Fuzhou University”, Fuzhou University, Fuzhou, China, 06/10/2005.
• “Clifford Neural Networks and Chaotic Time Series”, Xiamen University, Xiamen, China, 06/17/2005.
• NSF Workshop on Broadening Participation in Computing for Persons with Disabilities, 04/28/2005 – 04/19/1005, University of South Florida, Lakeland, FL.
• “Computer Games, Children’s Learning, and the Minority Math Gap”, Invited Saxena Lecture, University of South Florida – Lakeland, 04/26/005, Lakeland, Fl.
• “Informal Thoughts on Math and Computer Science”, Fuzhou University, Beijing, China, 04/06/2005.
• “Clifford Neural Networks and Chaotic Time Series”, Fuzhou University, Fuzhou, China, 04/04/2005.
• “Clifford Neural Networks and Chaotic Time Series”, Xi’an Xibei University, Xi’an, China, 03/31/2005.
• “Clifford Neural Networks and Chaotic Time Series”, Xi’an Jiaotong University, Xi’an, China, 03/30/2005.
• “Clifford Neural Networks and Chaotic Time Series”, Tsinghua University, Beijing, China, 03/24/2005.
• “FFT Over finite Fields”, International Institute for Information Science and Technology, Shanghai, China, 03/18/2005.
• “Research Opportunities in the Portland State University Computer Science Department”, Tsinghua University, Beijing, China, 03/24/2005.
• “Clifford Neural Networks and Chaotic Time Series”, Northwestern University, Computer Science Department, Distinguished Lecturer Series, Evanston, IL, October 8, 2004.
• ”Research and Solutions for Increasing Under-Represented Minority Students in Computer Science”, (invited talk), Workshop on Women and Minorities in Computer Science, Boulder Colorado, August 11-13, 2003.
• "Nonabelian Groups, Unitary Transforms and Image Processing", B. W. York, Conference of African American Researchers in the Mathematical Sciences (CAARMS5), held at the University of Michigan, Ann Arbor, MI, June 23-25, 1999 (invited talk).
• Chair, Panels Committee, SC99, November 1999.
• Co-Chair, Education Program of SC97, November 1997.
• Participant, Ames Lab DOE Workshop on Undergraduate Computational Science Education (UCES Project), held at Boston University, February 1996.
• Member of Panel on "New Horizons for the MARINER Project", Boston University, Boston, MA, October 7, 1995.
• Workshop on Parallel Computing Curricula, March 31 - April 1, 1995, Wellesley College.
• ACM Computer Science Conference, March 1-3, 1995, Nashville, TN.
• "NSF Workshop on the NII and the Elderly", B.W. York, moderator, Los Angeles, October 1994.
• ACM Computer Science Conference, March 9-13, 1994, Phoenix, AZ.
• NSF's Applications of Advanced Technologies Project Director's Meeting, Washington, DC, July 6-8, 1994.
• High Performance Computing '94, April 11-15, 1994, LaJolla, CA
• ASSETS'94 The First ACM/SIGCAPH Conference on Assistive Technologies, Los Angeles, October 30 - November 1, 1994.
• "Interconnection Networks for Massively Parallel Computers Based on the Hoffman-Singleton Graph", B. W. York, Sixth IASTED-ISMM International Conference on Parallel and Distributed Computing and Systems, held October 3-5, 1994, Washington, DC.
• "Parallel Computation of the Permanent of -1 Matrices", B. W. York, Computer Science Department, University of Oregon, February 1994.
• "Constructing Permutation Representations for Large Matrix Groups", B. W. York, Computer Science Department, University of Oregon, February 1994.
• NSF CISE Institutional Infrastructure Meeting, June 3-4, 1993, Chicago, Illinois, York organized and conducted a panel on "Partnerships between Minority and Majority Institutions".


• "Parallel Implementations of Group Membership and the Method of Random Subproducts", The First Summer Institute on Issues and Obstacles in the Practical Implementation of Parallel Algorithms and the Use of Parallel Machines, Dartmouth Institute for Advanced Graduate Studies in Parallel Computation (DAGS/PC), June 24, 1992, Dartmouth College, Hanover, NH.

• "Parallel Group Computations on the Connection Machine", invited speaker, Computer Science Department, Concordia University, Montreal, Canada, February 18, 1992

• "Richly Connected Neural Networks on the Connection Machine", invited speaker, Computer Science Department, Concordia University, Montreal, Canada, February 17, 1992


• "Implications of Parallel Architectures for Group Computations", Invited speaker, DIMACS Workshop on Group Computations, October 7-9,1991

• ICIAM 91, July 8-12,1991, Washington, DC, Minisymposium on Massively Parallel Algorithms for Geometric Computations, organizer and presenter

• 1991 ACM SIGCSE Conference, March 6-8,1991, San Antonio, TX Panelist, Federal Funding Possibilities for Minority Research Programs Panelist, Summer Research Opportunities for Faculty

• Participant in Workshop on High Performance Computing and Education, October 26-28, 1990, Champaign-Urbana, IL

• Program co-organizer for Boston University Workshop on Acceleration Algorithms held April 12-13, 1990.

• Program organizer for Boston University Workshop on Computer Aids for the Physically Handicapped held October 2-3, 1989. NSF sponsored this workshop.

• "PBE: Programming by Ear", invited speaker, Annual workshop of the Visually Impaired Data Processors International, July 2, 1989, Richmond, VA. (Unable to attend).

• Conducted a 2-day workshop on the introduction of parallel computing concepts into the undergraduate computer science curriculum. Spelman College, Atlanta, GA. June 5-6, 1989.

• "Parallel Theorem Proving and Clause Graph Analysis" Spelman College 03/26/89

• "Parallel Theorem Proving and Clause Graph Analysis" Howard University 03/09/89

• "PBE: Programming by Ear" Southeastern Massachusetts University 03/02/89
• "PBE: Programming by Ear", Boston College 11/28/88
• "PBE: Programming by Ear", Boston University 10/05/88
• "Artificial Intelligence, Expert Systems, and CAD", ViewLogic, Inc. Marlboro, MA 07/23/87
• "Artificial Intelligence at Boston University", Artificial Intelligence Society of New England, Yale University 11/01/86