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EDUCATION

D.P.S. Pace University, School of Computer Science and Information Systems, May 2002.
Concentrations: Object Technology, Cognitive Models of Learning
Dissertation Title: The Cognitive Complexities Confronting Developers Using Object Technology
Dissertation Chairman: Dr. Allen Stix

M.S. Pace University, School of Computer Science and Information Systems, June 1992.
Degree: Information Systems
Concentration: Networking
Thesis Title: *A Manager's Guide to Determining and Implementing Local Area Networks*
Advisor: Dr. Fred Grossman

B.S., B.S. Mercy College, May 1986
Received dual degrees in Mathematics and Computer Science
Honors: Member of Pi Mu Epsilon (Mathematics honor society)
Recipient of Christie Scholar Award
Member of Mercy College Honors Program

TEACHING EXPERIENCE

Full Professor of Information Technology, Pace University, School of CSIS, 2012–Present.
Appointed to Associate Chair July 24, 2020 (effective September 1, 2020)
Appointed to Assistant Chair July 20, 2019 (effective September 1, 2019)
Promoted to Full Professor April 9, 2012 (effective September 1, 2012)
Promoted to Associated Professor January 31, 2006 (effective September 1, 2006).
Tenured granted January 31, 2006 (effective September 1, 2007).

Associate Professor of Information Technology, Pace University, School of CSIS, 2006–2012.
Undergraduate Teaching: Network and Internet Security, Web Design, Introduction to Drones, Database Management Systems. Average class size 30.
Graduate Teaching: Database Management Systems and Systems Analysis and Design.

Assistant Professor of Information Technology, Pace University, School of CSIS, 2003–2006.
Undergraduate Teaching: Introduction to Computers, Computers for Human Empowerment, Web Design for Non-Profit Organizations, Problem Solving Using LEGOS. Average class size 25.
Courses Developed: Problem Solving Using LEGOS and Web Design for Non-Profit Organizations
Curriculum Development: Created the CIS 101 Proficiency guidelines; the theoretical exam; the Excel, JavaScript, and HTML practicums; and developed the web-design contract for the service-learning courses.

Lecturer of Computer Science, Pace University, School of CSIS, 2000–2003.
Undergraduate Teaching: Programming I, Programming II, Topic: Java Programming. Average class size 30.

Assistant Professor of Computing, Business Department, Hostos Community College, 1992–2000.
Promoted to Assistant Professor August 16, 1999 (effective August 28, 1999).
Tenured as a Lecturer December 10, 1997 (effective September 1, 1998).

Undergraduate Teaching: Introduction To Computers, Database Design, Systems Analysis and Design, Computer Architecture, Python, Operating Systems, Spreadsheet Analysis, Fundamentals of Data Communication and Networking, and PC Diagnostics. Average class size 25.

Courses Developed: Fundamentals of Data Communication and Networking, Introduction to Networking using Windows NT 4.0, and Help Desk and User Support.

Curriculum Development: Updated course textbooks, modified pre- and co-requisites for courses and reviewed of course content, coordinated Introduction to Computers course, and coordinated department articulation (obtained three articulation agreements).

Instructor of Computer Systems, The Westchester Business Institute, 1989–1992.

Undergraduate Teaching: Introduction To Computer Information Systems, Programming Using JCL, Advanced Word Processing. Average class size 25.

Adjunct Professor, The College of New Rochelle, 1992–1998.

Primary teaching areas: College Algebra, Calculus I, Introduction to Computers. Average class size 20.

Adjunct Professor, Mercy College, 1997–1999.

Primary teaching area: Introduction to Pascal. Average class size 15.

Adjunct Professor, Westchester Community College, 1988–1997.

Teaching assignment: Introduction to Computers, System Analysis and Design, Database Management. Average class size 35.

Adjunct Professor, Iona College, 1991–1996.

Primary teaching areas: Database Design, Introduction to Computers. Average class size 15.

Adjunct Professor, City College, 1985–1992.

Trained staff and college personnel in WordPerfect 5.1, dbase III+, and Lotus 1-2-3.

HIGHLIGHTS OF WORK EXPERIENCE

Independent Consultant, 1994–Present.

Performed networking consulting.
Advised corporate infrastructures on web design, implementation, and analysis.
Provided corporate training services.

Systems Analyst, Brooklyn Union Gas, 1991–1992.

Maintained 900 personal computers.
Coordinated a local area network pilot study.
Developed a user support mechanism to assist end-users.

Training Manager, Personal Computers of America, Inc. 1986–1991.

Developed complex innovative applications for major corporations.
Designed and trained end-user support personnel for Fortune 500 companies.
Produced custom-designed courses and training manuals for Fortune 500 companies.

Programmer, International Business Machines, 1983–1986.

Compiled market research.
Analyzed, organized, and updated database information.
Designed and implemented statistical programs for managerial use and presentation.

SERVICE

National Service

WiCys – Women in Cybersecurity National Student Chapter Board Member (2018-2022)
NSF Reviewer for ITEST Grants (2018 - Present)
Board Member of the Eastern Colleges Science Conference (ECSC) (2017- Present)
Member of Google LUNAR-X Jurban Team (2009–2021).
Secretary of IEEE Computer Society Technical Committee on Learning Technology (2008–2010).

Co-Chair of IEEE Virtual Instructors Pilot Research Group Computational Behavior Subcommittee (2006–Present).
Board Member of Context-Aware Agent-Supported Reality System Research (2008–2010).
Board Member of the Society for Applied Learning Technology (SALT) (2005).
Reviewer for the *Information Technology, Learning, and Performance Journal* (2004–2005).
Session Chair for ISECON 2002 Information Systems Education Conference, San Antonio, TX (November 2002).
Reviewer for an Undergraduate Attrition from Computing Majors Study funded by the National Science Foundation for the Curry School of Education (2002).
Reviewer for McGraw-Hill Higher Education. Reviewed and provided suggestions for one chapter in *An Introduction to Computer Science Using Java* by Samuel Kamin, Dennis Mickunas, and Edward Reingold (2002).
Reviewer for ISECON 2000 Information Systems Education Conference held in Philadelphia, PA (November 2000).
Session Chair for Teaching International Business Track, 1997 Eastern Business Education Association Conference (1997).

University Service

Pace Faculty Institute – Presenter (May 2018, May 2022, May 2023)
Presenter at Take Your Children to Work Day (April 2005 – April 2018)
Member of Middle States Periodic Review Report Steering Committee (2012- 2014).
Member of the Faculty Institute Planning Committee (Spring 2008).
Member of the Learning Commons Project (2005).
Member of the Curriculum Committee for Civic Engagement (2002–Present).
Member of the Technology Round Table Discussions (2001–2003).
Presenter for the Pforzheimer Center for Faculty Development (2004).
Member of Community Learning Courses (2004–2019).
Member of Teaching Circle (linked course initiatives) (2003–2018).
Member of Writing Enhanced Courses (2001–2015).

The Seidenberg School of Computer Science and Information Systems Service

Coordinator for STEM Robotics (2007–Present).
Member of CSIS Tap Committee (2006–2010).
Academic Advisor for Computer Science students in New York (2000–2003).
Academic Advisor for Technology Systems students in Pleasantville (2003–Present).
Participant in the Scholarship Dinners (2008, 2009).
Frequent writer of references for students for work positions and graduate study (2007-present).
Member of CSIS Editorial Board for Technical Report Series (2005-2017).
Judge of FIRST LEGO Competition (2004–2007).
Presenter at Trendsetters Conference (March 2005).
Member of TS/CIS 101 Coordinator Search Committee (2003).
Presenter at President's Visit to the School (2001).
Member of Technology Resources Committee (2004–2007).
Secretary of Technology Resources Committee (2001–2003).
Member of the Graduate Scholastic Standing Committee (2001).
Member of Computer Science Faculty Search Committee (2001).

Information Technology Department Service

Advise and mentor students (2009-present)
Implementer of a robotics symposium featuring student work and community partners (2011-present)
Developer of website contracts for Pace University to be used in conjunction with CIS 102W (2008-present).
Developer of Excel templates for tracking non-profit organizations (2009).
Representative of IT Department at Pace Open House events in Westchester (2006-2010).

Creator of a four-part CIS 101 Proficiency exam, which consists of 100 multiple choice questions on computer theory, an Excel practicum, an HTML practicum, and a JavaScript practicum (2002). Redesigned of course TS 105 Computers for Human Empowerment (2002).
Redesigned of course CIS 102W Web Design for Non-Profit Organizations (2008).
Developer of course CIS 102T Problem Solving Using LEGOS (2004).

Community Service

Town of Greenburgh Zoning Board Committee (2022 – Present)
Solving Problems: Co-host with Paul Feiner Cablevision 75 and Fios 34 (2023 – Present)
WVOX Radio Co-Host with Paul Feiner (2018- 2023)
G.O.O.D. for Girls, Inc. – Director of Assessment (2018-2023)
Board Member of The Westchester County Youth Board (2016 – 2019)
Curriculum Director for the White Plains STEAM Academy (2017-Present)
Board Member of Lois Bronz Children's Center, White Plains NY (2011–2016).
Board Member of The YWCA (2012-2016)
Youth Director at Youth Mission of Life, White Plains, NY. Work with youths ranging from ages 9–21. Coordinate musical performances (band consists of 19 instruments) and puppet shows that have been presented at the following facilities:

- The Abbott House (March 2005).
- The Bronx Psychiatric Center (December 2004, March 2005, and December 2005).
- Montefiore Children's Hospital (December 2004, February 2005, December 2005)
- The Hudson River Housing (April 2005).
- The Amsterdam Houses (1997–2002).
- Laconia Nursing Home (1990–2000).
- Children's Village (1998-2017)

Developer and implementer of the Interactive Arts Summer Workshop with Mrs. Fitts, Director of Volunteer Services at The Children's Village, Dobbs Ferry, NY (May–June, 2005).
Commencement Speaker at Woodlands High School, Westchester County Center (June 2005).
Guest Lecturer at Westchester Community College, Mainstream Program, "Understanding the Internet" (October 1994).
Judge for the Delta Epsilon Chi DECA Competition, Tarrytown, NY (March 1993).

HONORS

Recipient of WestHab Outstanding Professional Training (May 2023)
Recipient of Award for Women's History Month by Westchester County Legislators (March 20, 2023)
Recipient of the G.O.O.D. for Girls Award of Outstanding Leadership (Oct. 2018)
Recipient of the Jefferson Award for Outstanding Community Service at Pace University (Nov. 2017)
Recipient of STEM Award for Community Service given by White Plains Youth Bureau (May 2016)
Recipient of Certificate of Award for Sponsored Research and Scholarship given by Pace University (April 2013)
Recipient of The Woman in Technology Award given by the YWCA (May 2012)
Recipient of The New York School for the Deaf Award for establishing a Robotics curriculum (May 2010).
Recipient of the North Rockland Central School District, Certificate of Appreciation for Teaching several robotic workshops at the Tech Exposition, (March 2008).
Recipient of the Award for establishing the Robotics Program at Alice E. Grady Elementary School (March 2008).
Recipient of the Distinguished Alumni Award, Greenburgh Central-7 (June 2005).
Recipient of the Who's Who Among America's Teachers (January 2000).
Recipient of the PCLC Award for Teaching Excellence, Personal Computing Learning Centers (1990).
Recipient of the Hartsdale Rotary Club Award for Outstanding Community Work (1982).

GRANTS

2023 **$76,926.64 National Science Foundation and National Security Agency,** Camp CryptoBot GenCyber Summer Camp in Cybersecurity for High School Students at Pace University, Pauline Mosley (PI), Li-Chiou (Co-PI)

2022 **$14,000 Google Grant for High School Students – Camp CryptoBot**
Summer Camp in Cybersecurity at Pace University, Pauline Mosley (PI)

2022 **$44,433.13 National Science Foundation and National Security Agency**, GenCyber Capacity Building Activity for High Schools at Pace University, Pauline Mosley (PI), Li-Chiou (Co-PI)

2021 **$39,841.10 National Science Foundation and National Security Agency**, GenCyber Capacity Building Activity for High Schools at Pace University, Pauline Mosley (PI), Li-Chiou (Co-PI)

2021 **$4,633 Pace University: Provost Classroom Based Research**
Promoting Critical Thinking Using Robotics, Pauline Mosley (PI)

2020 **$24,011.56 National Science Foundation and National Security Agency**, GenCyber Capacity Building Activity for High Schools at Pace University, Pauline Mosley (PI), Li-Chiou (Co-PI)

2020 **$82,236.11 National Science Foundation and National Security Agency**, Camp CryptoBot: GenCyber Summer Camp in Cybersecurity for High School Student at Pace University, Pauline Mosley (PI), Li-Chiou (Co-PI)

2020 **$3,200 Pace University: Kenan Scholarly Research Grant**
Game Based Platform for Cybersecurity Courses, Pauline Mosley (PI)

2019 **$69,794.00 National Science Foundation and National Security Agency,** Camp CryptoBot GenCyber Summer Camp in Cybersecurity for High School Students at Pace University, Pauline Mosley (PI), Li-Chiou (Co-PI)

2018 **$69,794.00 National Science Foundation and National Security Agency**, Camp CryptoBot: GenCyber Summer Camp in Cybersecurity for High School Student at Pace University, Pauline Mosley (PI), Li-Chiou (Co-PI)

2018 **$65,962.68 National Science Foundation and National Security Agency**, Camp CryptoBot: GenCyber Summer Camp in Cybersecurity for High School Student at Pace University, Pauline Mosley (PI), Li-Chiou (Co-PI)

2016 **$4,500 Pace Innovative Teaching Grant,** Redesigning Lego Robotics Utilizing Drone Technology, Pauline Mosley (PI)

2016 **$61,926.97 National Science Foundation and National Security Agency**, Camp CyberBot: GenCyber Summer Camp in Cybersecurity for High School Student at Pace University, Pauline Mosley (PI), Li-Chiou (Co-PI)

2013 **$1,071,338 National Science Foundation Grant**, Innovative Technology Experiences for Students and Teachers (ITEST), "The Urban Community Project to Stimulate Interests in STEM Careers (U-CPS)" Keith Hargrove (PI), Ray Bullock(Co-PI), Pauline Mosley (Robotics STEM Consultant)

2013 **$20,000 Verizon Foundation Grant**, Girls Code Project White Plains Afterschool Program, Maria Imperial (PI), Pauline Mosley (Co-PI)

2008 **$870,521 National Science Foundation Grant**, Advanced Technological Education (ATE) Project. *Development of Robotics Technician Curriculum at Baltimore City Community College.* Yun Liu (PI), Alton Smith (Co-PI), Michael Kaye (Co-PI), Pauline Mosley (Co-PI), & Keith Hargrove (Co-PI).

2008 **$4,525 Pace University ThinkInfinity Grant,** *Promoting Service Learning Using LEGO Robotics.* Pauline Mosley (PI).

2006 **$5,000 Pace University Presidential Grant Civic Competency Award,** *Promoting Science and Technology Education Using LEGO Robotics.* Richard Kline (PI) & Pauline Mosley (PI).

AWARDS

2024 **$25,000** Legislator Williams Johnson and Board of Legislators Service Contract

2024 **$2,325** Kenan Scholarly Research, Cyber-Range Workshop Activities

2023 **$1,350** Kenan Scholarly Research, Cyber Escape Room simulations for Camp CryptoBot

2023 **$20,000** Legislator Williams Johnson and Board of Legislators Service Contract

2022 **$14,000** Google Award for Summer Cybersecurity Workshops

2021 **$1,852** Microsoft Match Giving

2021 **$4,917** Kean Scholarly Research, T-Bot: An Autonomous Campus Tour Guide

2021 **$3,000** Kenan Scholarly Research, Teaching Critical Thinking Through Jupiter and AI

2021 **$4,633** Pace University: Provost Classroom Based Research – Promoting Critical Thing

2020 **$3,200** Kenan Scholarly Research, Game Based Platform for Cybersecurity Courses

2019 **$1,000** Pace Technology Award

2016 **$4,500** Pace Innovative Teaching Award

PUBLICATIONS

Monographs

2007 Coppola, Daniels, Feather-Gannon, Hale, Hayes, Kline, Mosley, & Pennachio (2007). Case Study: Civic Engagement in the First-Year Experience Civic Engagement Through Computer Technology at Pace University [Monograph]. *The New York Times,* Civic Engagement in the First Year of College [Monograph].

Books

2021 Sphero, & Mosley. **Sphero Bolt Cybersecurity labs** – Educator Guide. Sphero.

2015 Mosley, P. H., & Hargrove, K. (in press). ***Navigating Academia: A Guide for Women and Minority STEM Faculty,*** Elsevier Publishers, December 2015.

2009 Mosley, P. H. (2009). *Lego Robotics and Problem Solving*. Florence, KY: Cengage Learning, ISBN-13:978-1-111-02943-2.

Book Chapters

2024 Mosley, Pauline, and Avery Leider. 'Quantum Machine Learning Classifier and Neural Network Transfer Learning'. In *Transfer Learning - Leveraging the Capability of Pre-Trained Models Across Different Domains*, edited by Dr Anwar P. P. Abdul Majeed. Rijeka: IntechOpen, 2024. https://doi.org/10.5772/intechopen.115051.

2015 Jean R. Strait and Katherine Nordyke , **E-Service Learning:** Creating Experiential Learning and Civic Engagement through Online and Hybrid Courses, Stylus Publishers April 2015**; Chapter 6 - *Hybrid II: A Model Design for Web Development—Pauline Mosley, Pace University.* *https://sty.presswarehouse.com/Books/BookDetail.aspx?productID=360461***

Refereed Journal Articles

2024 Mosley, P., Chen, L., Elldrodt, L., Ulysse, D. (April 2024). Camp CryptoBot: A Model for Taking Risks and Promoting Self-Efficacy in Pursuit of Cybersecurity Career Pathways, *The Journal of Computing Sciences in Colleges*, South Central Region, Col. 39, No. 7.

2024 Mosley, P., Elldrodt, L., Ulysse, D. (June 2024). Camp CryptoBot: A Method for Taking Risks and Motivating High School Girls to Pursue a Career in Cybersecurity, *The Future of Education Conference Proceedings*.

2023 Bakhitov, D., Khemraj, R., Skorko, J., Leider, A., Mosley, P. (2023). Screening for COVID-19 via Acoustics Using Artificial Intelligence. In: Arai, K. (eds) *Advances in Information and Communication*. FICC 2023. Lecture Notes in Networks and Systems, vol 651. Springer, Cham. https://doi.org/10.1007/978-3-031-28076-4_46.

2022 Leider, A., Jaoude, G., Strobel, A., Mosley, P. (2022). Quantum Machine Learning Classifier, *Advances in information and Communication*: Proceedings of the 2022 Future of Information and Communication Conference (FICC), Volume 1.

2021 Avery Leider, Gio Abou Jaoude, Abigail Strobel, Pauline Mosley, (2021) Future of Information and Communications Conference Proceedings, October 2021.

2017 Mosley, Rivera, Tantalos (2017, April (2nd Quarter/Spring) 7). Deadly Distributed Denial of Service in Depth. *The Journal of Computing Sciences in Colleges*, **Vol 32** (Issue 6) , pages 213.

2016 Mosley, Ardito, Scollins (October 2016). Cooperative Robotic Learning Promotes STEM Interest, *American Journal of Engineering Education*.

2014 Ardito, G., Mosley, P. H., Scollins, L., (November 2014). We Robot: Using Robotics to Promote Collaborative and Mathematics Learning in a Middle School Classroom, *Middle Grade Research Journal,* Volume 9, #3, 2014.

2013 Feather-Gannon, S., J., Coppola J., Daniels, C., Hale N., Mosley, P. H., Taylor, A., (June 2013). The Evolution of Successful Service-Learning Courses in the Computing Curriculum: From Infancy to Innovation", *The Journal of Computing Sciences in Colleges.*

2010 Lawler, J., Coppola J., Mosley, P. H., Drury, L., Thomas, B., & Wexler, S. (November 2010). Empowering Communities of Disadvantaged Individuals and Locales with Advanced Support Technologies. *Faculty Resource Network Journal: Engaging Students in the Community and the World*.

2010 Mosley, P. H., Yun, L., Hargrove, K., & Doswell, J. (September 2010). A Pre-Engineering Program Using Robots to Attract Under-represented High School and Community College Students. *The Journal of STEM Education: Innovations and Research*, *11*, Issues 5 and 6.

2008 Mosley, P. H., & Doswell, J. (March 2008). The Virtual Intervention: A Case in LEGO Robotics. *The International Journal of Virtual Reality*, *7*, Number 1, Issue 1.

2007 Doswell, J., & Mosley, P. H. (June 2007). A Virtual Instructor Service-Oriented Architecture for Teaching Robotics in Mixed Reality. *Journal of Computers*, Issue 4.

2007 Merritt, S. M., Dwyer, C., Houle, B. J., Mosley, P. H., & Coppola, J. (Fall 2007). Alternate Paths to University Positions: Women's Choice. *Faculty Resource Network Journal: Advancing Women and the Underrepresented in the Academy*.

2006 Mosley, P. H., & Kline, R. (Spring 2006). Engaging Students: A Framework Using LEGO Robotics to Teach Problem Solving. *Information Technology, Learning, and Performance Journal***,** *21*, Number 1.

2005 Mosley, P. H. (November 2005). Redesigning Web Design. *The Academic Exchange Quarterly Journal*, *9*, Issue 3.

2005 Mosley, P. H. (February 2005). A Taxonomy of Object Technology. In *The Journal of Computing Sciences in Colleges*: *Vol. 20*, Number 3. Paper presented at the refereed conference Consortium for Computing Science in Colleges, October 2004, at Loyola College.

2005 Mosley, P. H., & Pennachio, L. (February 2005). An Integration of Technology into Education Majors' Civic Responsibilities. In *The Journal of Computing Sciences in Colleges*: *Vol. 20*, Number 3. Paper presented at the refereed conference, Consortium for Computing Science in Colleges, October 2004, at Loyola College.

2004 Anstendig, L., Richie, E., Young, S., Mosley, P. H., & Kirschstein, B. (October 2004). Architects of Change: Writing Enhanced Course Program Development and Core Reform. *Across The Disciplines Journal*, *1*.

Refereed Conferences

2024 Mosley, P., Chen, L., Elldrodt, L., Ulysse, D. (April 2024). Camp CryptoBot: A Model for Taking Risks and Promoting Self-Efficacy in Pursuit of Cybersecurity Career Pathways, Presented virtually at CCSC South Central Conference, Stephen F. Austin State University, Nacogdoches, Texas.

2024 Mosley, P., Elldrodt, L., Ulysse, D. (June 2024). Camp CryptoBot: A Method for Taking Risks and Motivating High School Girls to Pursue a Career in Cybersecurity, Presented virtually at The Future of Education Conference Virtual Platform.

2021 Lyery, Kaul, Bhaduri, Mosley (November 19, 2021) The Impact of DEI on STEM Career Transitions. The DIRC21 Virtual Conference.

2018 Mosley, Conzuegra, Berger (April 2018). Improving The Delivery of Medication With Intelligent Automation. In Proceedings of the Eastern Colleges Science Conference (ECSC).

2018 Mosley, Gonzalez, Ran (May 2017). The Effect of Mobile Meditation on Mental Health. In Proceedings of 16th Annual Theoretical and Applied Science Conference.

2018 Pauline Mosley, Li-Chiou Chen (May 18, 2018). Cyber-Arcade. Presented at Pace Faculty Institute, Pleasantville, New York.

2018 Pauline Mosley, Li-Chiou Chen (March 24, 2018). Cyber-Arcade: An Innovative Approach to Teaching Cybersecurity. Presented at WiCys Conference in Chicago, Illinois.

2014 Pauline Mosley, Adrienne Williams, Allison Kapner, Lt. Michael Kerley, (October 2014). *Are You in the Loop?*, Presented at the Women of Color Conference, Detroit, Michigan.

2013 Feather-Gannon, S., Coppola, J., Daniels C., Hale, N., Mosley, P., Taylor, A., (April 2013). *The Evolution of Successful Service-Learning Courses in the Computing Curriculum: From Infancy to Innovation"* Paper presented at 18th Annual Consortium for Computing Sciences in Colleges Northeast Conference (CCSNCE), Sienna College, Loundonville, New York.

2010 Mosley, P. H., Greene, S., Morgan, E., Hargrove, K., & Rogers, T. (October 2010). *Why Is There a Shortage of Women and Minority Faculty?* Paper presented at 10th Annual Diversity Challenge Conference – Institute for the Study and Promotion of Race and Culture (ISPRC), Boston College, MA.

2010 Mosley, P. H., Lawler, J., Feather-Gannon, S., Taylor, A., & Coppola, J. (June 2010). *Incorporating Service Learning in Higher Education Technology Curriculum: Development, Implementation, and Partnerships*. Paper presented at 2010 National Conference on Volunteering and Service, New York, NY.

2009 Lawler, J., Mosley, P. H., Coppola, J., Feather-Gannon, S., & Hill, J. (2009). *Community Empowerment and Service-Learning Practices Through Computer Science Curricula of a Major Metropolitan University*. Paper presented at 25th Annual Eastern Conference, Consortium for Computing Sciences in Colleges, Villanova University, Villanova, PA.

2009 Mosley, P. H., Coppola, J., Feather-Gannon, S., & Lawler, J. (April 2009). *Service Learning in the Computer Science and Information Systems Curriculum*. Paper presented at the Northeast Decision Sciences Institute (NEDSI) 2009 Annual Conference, Mohegan Sun, Uncasville, CT.

2008 Coppola, J., Daniels, K., Feather-Gannon, S., Taylor, A., Kline, R., & Mosley, P. H. (October 2008). *The Role of Service-Learning Computing Courses for Non-Majors: Providing Quality Instruction While Impacting the Student Experience*. Paper presented at the NITLE Conference, Swarthmore College, Swarthmore, PA.

2008 Coppola, J., Thomas, B., Garnet, S., & Mosley, P. H. (April 2008). *Co-Learning Opportunities: Integrating Service-Learning Technologies (SLT) into Undergraduate Courses*. Paper presented at the Lilly-East Conference on College and University Teaching, University of Delaware, Newark, DE.

2008 Lawler, J., Coppola, J., Taylor, A., Hill, J., & Mosley, P. H. (March 2008). *Service Learning and Pace University*. Paper presented at Northeast Decision Sciences Institute (NEDSI), Conference, Brooklyn, NY.

2008 Coppola, J., Feather-Gannon, S., Mosley, P. H., Taylor, A., & Hayes, D. (February 2008). *Service-Learning Courses: A Multi-Perspective Outlook*. Paper presented at 27th Annual Research Conference: Organizational Systems Research Association (OSRA), Columbia, SC.

2007 Mosley, P. H., & Davis. P. (April 2007). *Pace University Partners with Middle Schools for FIRST Competitions*. Paper presented at the FIRST Robotics Conference, Atlanta, GA.

2007 Mosley, P. H., & Doswell, J. (May 2007). *Robotics in Mixed-Reality*. Paper presented at the First International Workshop on Virtual Instructors, IEEE Virtual Instructor Pilot Research Group, Georgetown University, Washington DC.

2006 Doswell, J., & Mosley, P. H. (July 2006). Robotics in Mixed-Reality Training Simulations: Augmenting STEM Learning. *Proceedings of The 6th IEEE International Conference on Advanced Learning Technologies*, Kerkrade, Netherlands.

2006 Doswell, J., & Mosley, P. H. (July 2006). An Innovative Approach to Teaching Robotics. *Proceedings of The 6th IEEE International Conference on Advanced Learning Technologies*, Kerkrade, Netherlands.

2005 Mosley, P. H. (August 2005). Using LEGOS to Improve Problem Solving. *Proceedings of Interactive Technologies 2005*. Paper presented at the refereed conference Society for Applied Learning Technology (SALT) Conference, Arlington, VA.

2005 Daniels, A., Hill, Lawler, Mosley, Murphy, Taylor, & Velez (July 2005). Community Empowerment Through Student Engagement in Flexible Models of Service Learning. *Proceedings of the 3rd International Education and Information Systems Technologies and Applications* (EISTA), Orlando, FL.

2003 Mosley, P. H., & Nisbett, M. (January 2003). *Integrating Pervasive Information to Enhance Learning*. Paper presented at EDUCAUSE Mid-Atlantic Regional Conference, Baltimore, MD.

2002 Mosley, P. H., & Stix, A. (October 2002). *Cognitive Complexities Confronting Software Developers Using Object Technology*. Paper presented at the refereed conference, Information Systems Education, San Antonio, TX.

2003 Mosley, P. H. (October 2002). *Critical Success Factors in Teaching Technology-Enhanced Courses*. Paper presented at the Making A Difference Through Teacher Education National Summit, Birmingham, AL.

2002 Anstendig, L., Richie, E., Young, S., Mosley, P. H., & Kirschstein, B. (May 2002). Communication-Enhanced Courses in the Disciplines. *Proceedings of the Fifth National Writing Across the Curriculum Conference*, Bloomington, IN.

2001 Mosley, P. H., & Young, S. (November 2001). Writing Becomes Teaching In Programming. *Proceedings of the Twenty-first Annual Lilly Conference*, Oxford, OH.

Non-Refereed Publications

2024 WestHab Professional Development Training Manual for Site Directors.

2018 White Plains Youth Bureau STEAM Academy Instructor's Curriculum Guide, Grades 1 & 2.

2018 White Plains Youth Bureau STEAM Academy Instructor's Curriculum Guide, Grades 3.

2018 White Plains Youth Bureau STEAM Academy Instructor's Curriculum Guide, Grades 4.

2018 White Plains Youth Bureau STEAM Academy Instructor's Curriculum Guide, Grades 5.

2018 Mosley, P. (August 10, 2018). Education: Why Aren't More Students Pursuing Careers in STEM? *The Westchester Business Journal.*

2013 Prafder, E. & Mosley, P. (February 2013). Education: A Woman's Place, *The New York Post.*

2013 LaGuardia, A., & Mosley, P. (December 2013). You've Come A Long Way Baby!, *Shining Stars – Publication of Maria Fareri Children's Hospital at Westchester Medical Center.*

2005 Mosley, P. H., & Pennachio, L. (Fall 2004). Civic Engagement: Integrating Teacher Preparation with Community Service. *CSIS Communiqué: A Publication of the School of Computer Science and Information Systems*, *19*.

2004 Mosley, P. H. (September 2004). Faculty Perspectives Teaching Honor Students. *Scholastica*.

2004 Mosley, P. H. (April 2004). Training Future Software Developers. *PILOTed* (Online Learning Newsletter from PILOT Online Learning Systems).

2002 Mosley, P. H. (Spring 2002). Faculty Member Poses the Question: Does Writing Enhance Programming? *CSIS Communiqué: A Publication of the School of Computer Science and Information Systems*, *14*.

2001 Tappert, C., & Mosley, P. H. (August 2001). Recent Advances in Pen Computing. *CSIS Technical Report*, *166*.

2001 Mosley, P. H. (June 2001). Writing Enhanced Course Program. *FOCUS Dyson Writing Across the Curriculum Program Newsletter*, *2*, Number 1.

1993 Mosley, P. H. (1993). ChartMaster. [Training Manual for Personal Computer Learning Centers of America, Inc.].

1993 Mosley, P. H. (1993). Executive Seminar. [Training Manual for Executive Education Institute].

1993 Mosley, P. H. (1993). Microsoft Office. [Training Manual for Executive Education Institute].

1992 Mosley, P. H. (1992). Advanced MultiMate II. [Training Manual for Personal Computer Learning Centers of America, Inc.].

1992 Mosley, P. H. (1992). Beginning Microsoft Word for the Mac. [Training Manual for Personal Computer Learning Centers of America, Inc.].

1992 Mosley, P. H. (1992). Introduction to Lotus 1-2-3. [Training Manual for The City College University's Employees].

1991 Mosley, P. H. (1991). Freelance. [Training Manual for Personal Computer Learning Centers of America, Inc.].

1990 Mosley, P. H. (1990). Beginning DisplayWrite 5.0. [Training Manual for Personal Computer Learning Centers of America, Inc.].

Presentations at Pace University

2023 CCAR and the Experiential Learning Network's December 1 Symposium: Transformative Civic Engagement Inside and Outside the Classroom, Models of Civic Engagement Courses Beyond Direct Service"; Bater, E., Land, M., Rivera, G., Turunen, M., Mosley, P., Presented on Web Design for Non-Profits.

2022 Fourth Annual Student Success and Retention Summit (Virtual), Discussant for Dr. Miles.

2016 Mosley, P. H. (April 2016). *Hands-On Robotics Workshop*. Take Your Children To Work Day. Unpublished materials from Pace University, Pleasantville, NY.

2016 Mosley, P. H. (April 2013). *Hands-On Water-Robotics Session.* STEM Women Achieve Greatness. Unpublished materials from Pace University, Pleasantville, NY.

2015 Mosley, P. H. (April 2015). *Hands-On Robotics Workshop*. Take Your Children To Work Day. Unpublished materials from Pace University, Pleasantville, NY.

2013 Mosley, P. H. (April 2013). *Hands-On Robotics Workshop*. Take Your Children To Work Day. Unpublished materials from Pace University, Pleasantville, NY.

2011 Mosley, Davis, Golod, Manely, Sottile, Yun, and Hewlett, (May 2011). *Connecting Robots and STEM Subjects*. Unpublished panel discussion materials for Teaching STEM With Robotics Symposium, The Graduate Center, Pace University, White Plains, NY.

2011 Mosley, P. H. (April 2011). *Having Fun With LEGOS*. Take Your Children To Work Day. Unpublished materials from Pace University, Pleasantville, NY.

2009 Mosley, P. H. (March 2009). *Finding a Research Topic and Conducting Good Research*. Doctoral of Professional Studies Seminar. (Available from The Graduate Center, Pace University, White Plains, NY).

2007 Coppola, Daniels, Feather, Hale, Hayes, Mosley, & Taylor (May 2007). *Service Learning in Seidenberg School: Involving Students in Civic Engagement*. Unpublished panel discussion materials from The Pace Faculty Institute, One Pace Plaza, NY.

2006 Mosley, P. H. (April 2006). *A Framework Using LEGO Robotics to Teach Problem Solving.* Unpublished materials for Admitted Student Day at the Goldstein Academic Center, Pace University, White Plains, NY).

2005 Mosley, P. H. (November 2005). *Service Learning: A Venue for Research*. Unpublished materials for Information Systems Seminar, Pleasantville, Pace University.

2005 Mosley, P. H. (April 2005). *Making Web Pages*. Unpublished materials for Take Your Children to Work Day, Pleasantville, Pace University.

2005 Mosley, P. H. (March 2005). *Career Choices via Service Learning*. Unpublished materials for Trendsetters Conference, One Pace Plaza, Pace University.

2004 Mosley, P. H. (October 2004). *Opening the Doors of Research*. Unpublished panel discussion materials for Faculty Share Their Experiences Attending The Faculty Resource Network at New York University, The Graduate Center, Pace University, White Plains, NY.

2001 Mosley, P. H. (December 2001). *Writing Intensive Computing Courses*. Unpublished materials for Presidential Visit to CSIS, One Pace Plaza, Pace University.

2000 Mosley, P. H. (November 2000). *Java and the Computer Science Experience*. Unpublished materials for Pace University Scholarship Dinner, One Pace Plaza, Pace University.

Presentations Outside of Pace University

2024 Girlz Talk 2024, Hofstra University, Panelist: Women in Technology (May 1, 2024)

2023 ISC(2) New Jersey Chapter Meeting (Virtual), Panel: Mierzwa, S., Fishkin, K., Moskal, E., Mosley, P, ChatGPT – The Concerns (March 2023)

2023 Girlz Talk 2023, Hofstra University, Panelist: Being Successful In Your Career (May 6, 2023)

2023 Cybersecurity 101 3-Part Series: Part 1, Pauline Mosley and Tod Johnston, Sphero, Free Sphero Webinars & Teacher Resources (October 19, 2023).

2023 Cybersecurity 101 3-Part Series: Part 2, Pauline Mosley and Tod Johnston, Sphero, Free Sphero Webinars & Teacher Resources (October 25, 2023).

2023 Cybersecurity 101 3-Part Series: Part 3, Pauline Mosley and Tod Johnston, Sphero, Free Sphero Webinars & Teacher Resources (November 1, 2023)

2021 Diversity & Inclusion Research Conference (DIRC), Panel: The Impact of DEI on STEM Career Transitions, Lyer, S., Kaul, K., Bhadur, S., Mosley, P, (November 19, 2021), DIRC21 Agenda — DIRC

2020 Diversity & Inclusion Research Conference (DIRC), Academic Support Networks for Minorities and Underrepresented Faculty, Pauline Mosley, (November 12, 2020), Academic Support Networks for Minorities and Underrepresented Faculty — DIRC

2016 Mosley, P. H. (March 2016). *Ladies First in STEM Conference – keynote speaker.* Unpublished materials for the Highview Elementary School, Hartsdale, NY.

2016 Mosley, P. H. (June 2016). *STEM Conference for Girls – keynote speaker.* Unpublished materials for the Westchester Community College and Mount Vernon Youth Bureau.

2013 Mosley, P. H. (May 2013). *Meet Millenia!!* Unpublished materials for the Highview Elementary School, Hartsdale, NY.

2013 Mosley, P. H. (July 2013). *Integrating STEM into Afterschool Programs*. Unpublished materials for the Hudson Valley Afterschool Network, White Plains, NY.

2010 Mosley, P. H. (February 2010). *Teaching STEM Using Robotics*. Unpublished materials for the Nepperhan Community Center, Yonkers, NY.

2010 Mosley, P. H. (July 2010). *Bridging Math and Science Using LEGO Mindstorms*. Unpublished materials for the New York School for the Deaf.

2010 Mosley, P. H. (December 2010). *Dancing Robots*. Unpublished materials for the Briarcliff Senior Atria Living Center.

2009 Mosley, P. H. (March 2009). *A Man is Not a Financial Plan*. Unpublished materials for White Plains High School, Girls, Incorporated of Westchester, NY.

2009 Mosley, P. H. (April 2009). *Career Choices and Course Offerings*. Unpublished materials for Poughkeepsie High School Career Fair, Poughkeepsie, NY.

2009 Mosley, P. H. (September, 2009). *Let's Join The LEGO Club*. Unpublished materials for Alice E. Grady Middle School PTA Meeting**.**

2009 Mosley, P. H. (November 2009). *Microsoft Robotics Toolkit and Simulation*. Unpublished materials for being guest lecturer for Dr. Kaye's class – Introduction to Engineering, Baltimore Community City College, Baltimore, MD.

2008 Mosley, P. H. (April 2008). *Starting a LEGO Club*. Unpublished materials for PTA and Board Meeting at Alexander Hamilton High School, Elmsford, NY.

2008 Coppola, J., Feather-Gannon, S., & Mosley, P. H. (November 2008). Integrating Technology into the Curriculum. *Today's Students Tomorrow Teachers*, Fordham University.

2008 Mosley, P. H. (April 2008). *Learn With LEGOs Robotics*. Unpublished materials for the North Rockland Central School District, Rockland, NY.

2007 Coppola, J., Merritt, S., Dwyer, C., Houle, B., & Mosley, P. H. (November, 2007). Alternate Paths to University Positions: Women's Choice. *Faculty Research Network National Symposium: Advancing Women and the Underrepresented in the Academy,* Johnson C. Smith University, Charlotte, NC.

2006 Mosley, P. H. (January 2006). *Career Choices At Pace*. Unpublished materials for St. Francis Preparatory High School, Queens, NY.

2005 Mosley, P. H. (June 2005). Unpublished materials for commencement address at the 42nd annual commencement program of Woodlands High School.

2002 Session Chair for "Information Systems Curriculum Track". Information Systems Education Conference, October 2002, at San Antonio, TX.

2002 Mosley, P. H. (October 2002). *Critical Success Factors in Teaching Technology-Enhanced Courses*. Paper presented at the Making a Difference Through Teacher Education Conference, Birmingham, AL.

2001 Mosley, P. H. (November 2001). Participant in the Panel Discussion: The Challenge of Plagiarism in Programming Classes. *Proceedings of the 18th Annual Information Systems Education Conference*. Cincinnati, OH.

1999 Mosley, P. H. (October 1999). Participant in the Panel Discussion: Keeping Pace with the Computer Evolution. *Proceedings of the 15th Annual Eastern Small College Computing Conference*, St. Bonaventure University, Olean, NY.

1999 Mosley, P. H. (September 1999). *Adult Learners and the College Experience*, Unpublished materials for the College of New Rochelle, NY.

1998 Mosley, P. H. (1998). *Seniors Getting Online*. Unpublished materials for the Mainstream Program: Senior Net, Westchester Community College, NY.

1998 Mosley, P. H. (1998). *Advanced Excel Training*. Unpublished materials for NYNEX, Professional Development Center, Westchester Community College, NY.

RESEARCH INTERESTS

Current research interests are directed solely toward pedagogical research in a variety of interrelated areas, including:

Developing successful cognitive models of learning for transforming service-learning and teaching across the institution and the curriculum;

Evaluating the effects of delivering STEM education via robotics and;

Writing across the curriculum and technology related courses.

Other areas of interest include the collaborative on-line learning environments: effective integration of technology into the classroom and bureaucracies, and gender studies.

PROFESSIONAL MEMBERSHIPS

- International Association for Research on Service-Learning and Community Engagement
- National Security Agency Association
- Association for the Advancement of Computing in Education
- Association for Computing Machinery
- Computer Professionals for Social Responsibility
- Consortium for Computing in Small Colleges
- Institute of Electrical and Electronics Engineers, Inc.

TEACHING INTERESTS

- Programming
- Service-Learning
- Robotics
- Web Design
- Software Engineering
- Introductory Computing Skills
- Networking

REFERENCES

Available upon request.