

Meagan Pollock, PhD

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EDUCATION

Doctor of Philosophy, Engineering Education, Purdue University, West Lafayette, IN (2014)

Master of Science, Electrical Engineering, Texas Tech University, Lubbock, TX (2007)

Bachelor of Science, Computer Science, Texas Woman's University, Denton, TX (2004)

PROFESSIONAL EXPERIENCE

- **Director of Professional Development** (08/14 – Present): National Alliance for Partnerships in Equity, Gap, PA
- **Consultant, Owner** (2008 – present): Engineering Equity into Education, Dallas, Texas
- **Graduate Research Assistant** (09/09 – 12/10): Purdue Institute for P-12 Engineering and Research Institute, West Lafayette, IN
- **Summer Projects Manager** (4/09 – 08/09): Purdue Institute for P-12 Engineering and Research Institute, West Lafayette, IN
- **Product Development Engineer** (10/07 – 03/09): Texas Instruments, Digital Light Processing, Dallas, TX
- **Product Development Engineer** [Co-op] (1/07 – 07/07): Texas Instruments, Digital Light Processing, Dallas, TX
- **Product Marketing Engineer** [Co-op] (08/03 – 05/04): Texas Instruments, Linear Amplifiers, Tucson, AZ
- **Product Marketing Engineer** [Co-op] (06/02 – 07/02): Texas Instruments, Audio Power Amplifiers, Dallas, TX
- **English as a Second Language Live-in Tutor** (07/05 – 12/05): Málaga, Spain
- **Web Architect** (07/04 – 12/04): Content Solutions, Denton, TX
- **Research & Teacher's Assistant** (01/02 – 05/03): Texas Woman's University, Denton, TX

DISSERTATION/THESIS ACTIVITY

Pollock, Meagan. (2007). *Permeation & Diffusion of Moisture through the Window Bondline Adhesive for the Digital Micromirror Device*. M.S. Electrical Engineering, Texas Tech University, Lubbock, TX.

Pollock, Meagan. (2014). *Multiple Case Study Analysis of Young Women's Experiences in High School Engineering*. PhD Engineering Education, Purdue University, Lafayette, IN.

HONORS AND AWARDS

- National Science Foundation Graduate Research Fellowship 2011-2014 (\$30K/year stipend for PhD)
- Leadership Pipeline Class of 2012, a program of Leadership Women
- Purdue Ross Graduate Fellowship 2009-2010
- Program for Semiconductor Product Engineering Fellowship 2006-2007, (\$9K/Semester for MSEE)
- Texas Instruments Sponsored Women In Engineering Fellowship 2001-2004 (\$7K/Semester for BSCS)
- Texas Woman's University Presidential Scholarship 2001-2004 (Full scholarship)

ADDITIONAL TRAINING & CERTIFICATIONS

- Management Certificate, Dallas County Community College (in progress)
- Certified Equity Instructor, National Alliance for Partnerships in Equity
- Purdue University Applied Management Principles Program, 05/10
- University of Málaga, Spain, Intensive Spanish Language Course (30 hours/week; 8 weeks), 2005

SELECTED COMMUNITY SERVICE

- Member of Executive Board, American Society for Engineering Education (ASEE) K-12 and Precollege Division, *elected*, 4/2015 – present
- Ad Hoc Committee on STEM Programming, National Association for College Admission Counseling, *selected*, 02/2015 – present
- Advisory Board, Little Cypress Mauriceville High School STEM Academy, *selected*, 2014 – present
- Advisory Board, STEM Jobs Magazine, by Victory Media, *selected*, 2014 – present
- Reviewer for American Society for Engineering Education (ASEE), *volunteer*, K-12 and Precollege Division, since 09/2012
- Planning Committee for American Society for Engineering Education (ASEE) K-12 Annual Workshops, *volunteer*, 2013 – present
- Volunteer Speaker, Mentor and STEM Role model for students, *volunteer and selected*
- Reviewer for Journal Pre-College Engineering Education Research, *volunteer*, 2010 – 2011

PUBLICATIONS

Thompson, Julia and Pollock, Meagan (2016). *PBLs for Equity Toolkit*. NAPE. Gap, PA.

Williams, Ben and Pollock, Meagan (2015). *Explore Nontraditional Careers Toolkit*. NAPE. Gap, PA.

Pollock, Meagan (2013). *Explore STEM Careers Toolkit*. NAPE. Gap, PA.

Cardella, Monica and Pollock, Meagan (2014). *Parents as Critical Influence: Insights from five different studies*. Proceedings for the 121st American Society for Engineering Education Annual Conference. Indianapolis, IN.

Pollock, Meagan (2013). *Engineering Educators in Industry: a Case Study of a Doctoral Internship*. Proceedings for the 120th American Society for Engineering Education Annual Conference. Atlanta, GA.

Pollock, Meagan (2013). *Equipping an Army of Ambassadors: A Workshop Model for a STEM Career Speaker's Bureau*. Proceedings for the 120th American Society for Engineering Education Annual Conference. Atlanta, GA.

Pollock, Meagan (2013). *Attracting Future Engineers: Best Practices from K-12 Counselor Professional Development, 2008-2012*. Proceedings for WEPAN's 24th National Conference. Atlanta, GA.

Ross, Meagan. (2012). *PK-12 Counselors Knowledge, Attitudes, and Behaviors related to Gender and STEM*. Proceedings for the 119th American Society for Engineering Education Annual Conference, San Antonio, Tx.

Ross, Meagan. (2011) *Preparing Counselors to Advocate STEM Careers: A Professional Development model for K-12 Counselors*. Proceedings for 118th American Society for Engineering Education Annual Conference. Vancouver, B.C.

Ross, Meagan. and M. Fosmire. (2011) *Lifelong learning and information literacy skills and the first year engineering undergraduate: Report of a self-assessment*. Proceedings for 118th American Society for Engineering Education Annual Conference. Vancouver, BC.

Wertz, Ruth and Ross, Meagan. (2011) *Assessing Engineering Students' Information Literacy Skills: An Alpha Version of a Multiple-Choice Instrument*. Proceedings for 118th American Society for Engineering Education Annual Conference. Vancouver, BC.