

CURRICULUM VITAE

Susan M. Mitchell
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Education

PhD Candidate, Information Systems, University of Maryland, Baltimore County
MS, Information Systems, University of Maryland, Baltimore County, 2009
MS, Computer Science, The Johns Hopkins University, 1983
BA, Psychology, University of Maryland, Baltimore County, 1979

Experience

2000-present Lecturer, Computer Science and Electrical Engineering Department,
University of Maryland, Baltimore County, Baltimore, MD
1989-1999 Associate Professor, Department Chair (1997-1999), Computer Science
Department, Montgomery College, Rockville, MD
1988-1989 Systems Engineer, Singer, Link Simulation Systems Division, Silver
Spring, MD
1986-1987 Systems Analyst, Communications and Systems Specialists, Inc.,
Burtonsville, MD
1979-1985 Programmer/Analyst, Technology Service Corporation, Silver Spring, MD

Courses Taught at UMBC

CS104 Problem Solving and Computer Programming
CS201 Computer Science I for Majors
CS202 Computer Science II for Majors
CS345 Software Design and Development

Research Interests

- Software engineering
- Software process improvement (SPI)
- Knowledge management in SPI
- Software engineering education

Working Dissertation Title

“Software Process Improvement through Project-level Knowledge Flow Analysis”

Publications

Mitchell, Susan M. and Carolyn B. Seaman, “Software Process Improvement through the Identification and Removal of Project-level Knowledge Flow Obstacles,” 34th International Conference on Software Engineering (ICSE 2012), Zurich, Switzerland, June 2012. (pending publication)

“A Knowledge Mapping Technique for Project-level Knowledge Flow Analysis,” Susan M. Mitchell and Carolyn B. Seaman, *5th International Symposium on Empirical Software Engineering and Measurement (ESEM’11)*, Banff, Alberta, Canada, September 2011.

“A Comparison of Software Cost, Duration, and Quality for Waterfall vs. Iterative and Incremental Development: A Systematic Review,” Susan M. Mitchell and Carolyn B. Seaman, *3rd International Symposium on Empirical Software Engineering and Measurement (ESEM’09)*, Lake Buena Vista, USA, October 2009.

“Assessing the Value of Computer Science Course Material Repositories,” Susan M. Mitchell and Wayne G. Lutters, *Conference on Science Engineering Education and Training (CSEE&T’06)*, Turtle Bay, USA, March 2006.

Poster Presentations

“Leveraging Knowledge Management During Software Product Development,” Susan M. Mitchell, Sreedevi Sampath, and Viviane Malheiros, *Consortium on Computing Sciences in Colleges East (CCSC-E’08)*, Frederick, USA, October 2008.

“Assessing the Value of Computer Science Course Material Repositories: A Work in Progress,” Susan M. Mitchell and Wayne G. Lutters, *Consortium on Computing Sciences in Colleges East (CCSC-E’07)*, Fredericksburg, USA, October 2007.

Doctoral Symposium Presentation

“Software Process Improvement through the Analysis of Project-level Knowledge Flow,” Susan M. Mitchell, *3rd International Symposium on Empirical Software Engineering and Measurement (ESEM’09) Doctoral Symposium (IDoESE’09)*, Lake Buena Vista, USA, October 2009.

Professional Associations and Activities

Member, IEEE

Member, ACM