

Photini A. Spanias

Senior Lecturer
Mary Lou Fulton Teachers College
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ACADEMIC PREPARATION AND EXPERIENCE

Preparation

- Ed.D. Arizona State University 1994-1996, Major: Curriculum and Instruction (Mathematics Education)
Dissertation: A Study on the Effects of Teacher Personality Types on Student Math Anxiety.
- M.Ed. Arizona State University 1992-1994, Major: Educational Administration
- M.Ed. Arizona State University 1989-1992, Major: Elementary Mathematics Education
- B.A. Arizona State University 1988-1989, Major: Elementary Education
- Teacher Preparation and Certification Degree. Cyprus Pedagogical Academy, 1980-1983

Experience

- 2009-present **Senior Lecturer**, Mary Lou Fulton Teachers College, Arizona State University.
- 1998-2009 **Lecturer**, College of Education, Division of Curriculum and Instruction, ASU
- 1996-1998 **Faculty Associate**, College of Education, Division of Curriculum and Instruction, ASU
- 1995-1996 **Teaching Assistant** to Dr. Jonathan Knaupp. College of Education, Division of Curriculum and Instruction, ASU.
- 1983-1988 **Elementary Education Teacher**, Ministry of Education, Cyprus

Membership in professional organizations

National Council of Teachers of Mathematics

PUBLICATIONS

Books

- Teachers, How to Market Yourself Effectively. Co-authored and edited by Enz, B., Coffman, B., Enz, D., Gick, B., Gryder, R., Kimerer, K. Lyons, R., Rutowski, K., Smith, G., **Spanias, P.**, Stamm, J., Wactler, ISBN 0-7872-4214-4, Kendal/Hunt Publishing Company, Dubuque, Iowa, 1997.
- Teacher's Toolbox: A Primer for New Professionals. Co-authored and edited by Enz, B., Carlile, B., Enz, D., Gick, B., Glass, S., Kortman, S. Lyons, R. Rutowski, K., Smith, G., **Spanias, P.**, ISBN 0-7872-4281-0, Kendal/Hunt Publishing Company, Dubuque, Iowa, 1997

Journal Articles

- Middleton, J. A., & **Spanias, P.** (1999) Motivation for Achievement in mathematics:, Findings, generalizations and criticisms of the recent research. *Journal for Research in Mathematics Education*, 30(1), 65-88.
- S. Mehta, A. Spanias, J.J. Thiagarajan, M.K. Banavar, K.N. Ramamurthy, R. Santucci, C. Pattichis, **P. Spanias**, H. Krishnamoorthi, "An Integrated Graphical Environment for Web-based Learning," *ASEE Computers in Education Journal*, vol. 5, Jan. 2014.
- A. Spanias, K. Huang, R. Ferzli, H. Kwon, V. Atti, V. Berisha, L. Iasemides, H. Krishnamoorthi, **P. Spanias**, S. Misra, M. Banavar, K. Tsakalis, S. Haag, "Interfacing Java-DSP with a TI DSK for use in a Signal Processing Class," *ASEE Computers in Education Journal*, Vol. XVII, No. 3, July-Sep. 2007.

Chapters in Edited Volumes

- Middleton, J. A. & **Spanias, P.** (2002). Findings from Research on Motivation in Mathematics Education: What Matters in Coming to Value Mathematics. In J. Sowder & B. Schappelle (Eds). *Lessons Learned from Research* (pp.9-15). Washington ,DC: National Council of Teachers of Mathematics.
- Enz, B. et.a l (1998). The Student Teaching Experience: A Developmental Approach. (1st Ed.). Kendall/Hunt Publishing Company.

Refereed Archival Conference Proceedings

- M. Banavar, Deepta Rajan, **Photini Spanias**, Andrew Strom (Corona Del Sol High School), Xue Zhang, A. Spanias, “Embedding Android Signal Processing Apps in a High School Math Class - An RET Project,” Session PRE2, IEEE Frontiers in Education 2014, Madrid Spain, Oct. 2014.
- Deepta Rajan; Andreas Spanias; Suhas Ranganath; Mahesh K. Banavar; **Photini Spanias**, “Health monitoring laboratories by interfacing physiological sensors to mobile android devices,” Proceedings - Frontiers in Education Conference, FIE. 2013:pp. 1049-1055, Oct 2013.
- X. Zhang, Debbie Vogel, Mahesh K. Banavar, Shuang Hu, **Photini Spanias**, Jayaraman J. Thiagarajan, “Using Modern Mobile Technologies in STEM Education,” 2012 American Society of Engineering Education, Annual Conference, 2012.
- K. Tsakalis,, J. Thiagarajan,, T. Duman, M. Reisslein, G.T. Zhou,; XiaoLi Ma, **Photini Spanias**, “WIP: Modules and laboratories for a pathways course in signals and systems, “ IEEE Frontiers in Education Conference (FIE), pp. : T2G-1 - T2G-2, Oct 2011.
- Spanias, A. ; Knee, P. ; Homin Kwon ; Natesan, K. ; Jayaraman, J. ; **Spanias, P.**, “WIP: Java simulations of DSP algorithms for ion-channel sensors,” IEEE Frontiers in Education Conference, pp. S3J-21 - S3J-22, Oct 2008.
- A.Spanias, K. Ramamurthy, J.. Thiagarajan and **Photini Spanias**, " WIP; Teaching Speech Signal Processing And Coding Using Labview," Session T1C: EE Courses and Labs 1, 2007 IEEE Frontiers in Educationm pp. T1C-22 - T1C-23, Milwaukee, Wisconsin, October 2007.

SERVICE

- Presenter/teacher of math lessons and math methods to the Indian Fellows visiting MLFTC, Fall 2013.
- Participation in committees to develop and implement new math courses (MTE 280, MTE 281, MTE 301). 2010-2012
- Working closely with iTeach coordinators and mentor teacher. Ongoing
- “Aspire to Teach” presenter, Corona del Sol High School’ career seminars. Ongoing
- Search Committee Member for Clinical Assistant Professor in Secondary Education. Spring 2007.
- Evaluator of students’ experiences in TEACH+ME and INCITE programs. Spring 2007.
- Honors Disciplinary Faculty; Barrett, The Honors College at Arizona State University. 2005- present

HONORS/AWARDS

- Honors Faculty, 2014
- Certificate of Appreciation form the National Council of Teachers of Mathematics for Lessons Learned from Research, 2002.
- “Last Lecture” Series nomination, Spring 2005.
- Certificate of Appreciation form Barrett, The Honors College for serving as Honors Disciplinary Faculty. 2005-2006

TEACHING

- 5 classes per semester. Classes are taught with great emphasis on Common Core and National standards of Mathematics, and current trends in research in Mathematics education. Course evaluation ratings are consistently and overwhelmingly high (averages between 3.7 and 4.0)