

## **Molly M. Dickens, Ph.D.**

### **Education**

Ph.D., Electrical Engineering, Texas Tech University, Lubbock, Texas, 2002

M.S., Mathematics, Texas Tech University, Lubbock, Texas, 1995

B.F.A., Design Communication, Texas Tech University, Lubbock, Texas, 1991

### **Academic experience**

Texas Tech University, Graduate Teaching Assistant, Department of Mathematics, 1992 – 1995

Texas Tech University, Graduate Teaching Assistant, Department of Electrical Engineering, 1999 – 2002

Texas Tech University, Instructor, Department of Electrical & Computer Engineering, 2002 – present

### **Honors and awards**

Most Influential Faculty Member, Recognized at the WCOE Honors Convocation, Texas Tech University, May 2016, May 2017, May 2019

Teacher of the Year, Department of Electrical & Computer Engineering, Texas Tech University, Spring 2016

### **Service activities**

Faculty Advisor, Women in Engineering, IEEE Student Branch, Texas Tech University, 2015 – present

Faculty Search Committee, ECE Department Chair, Spring 2021

Faculty Search Committee, ECE faculty member in nanotechnology, Fall 2022

### **Publications**

(1) Title: Volumetric segmentation via 3D active shape models

Author(s): Dickens MM, Gleason SS, Sari-Sarraf H

Conference Information: 5th IEEE Southwest Symposium on Image Analysis and Interpretation, APR 07-09, 2002, Santa Fe, NM.

Source: **FIFTH IEEE SOUTHWEST SYMPOSIUM ON IMAGE ANALYSIS AND INTERPRETATION, PROCEEDINGS**, Pages: 248-252, Published: 2002.

(2) Title: A streamlined volumetric landmark placement method for building three-dimensional active shape models

Author(s): Dickens MM, Sari-Sarraf H, Gleason SS

Conference Information: Medical Imaging 2001 Conference, FEB 18-22, 2001, San Diego, CA.

Source: **MEDICAL IMAGING: 2001: IMAGE PROCESSING**, PTS 1-3, Book Series: **PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE)**, Volume: 2, Issue: 27, Pages: 269-280, Published: 2001.

- (3) Title: Method for depixelating micro-endoscopic images  
Author(s): Dickens MM, Houlne MP, Mitra S, et al.  
Source: **OPTICAL ENGINEERING**, Volume: 38, Issue: 11, Pages: 1836-1842, Published: NOV 1999.
- (4) Title: Removal of optical fiber interference in color micro-endoscopic images  
Author(s): Dickens MM, Bornhop DJ, Mitra S  
Conference Information: 11th IEEE Symposium on Computer-Based Medical Systems, JUN 12-14, 1998, Lubbock, TX  
Source: **11TH IEEE SYMPOSIUM ON COMPUTER-BASED MEDICAL SYSTEMS, PROCEEDINGS**, Pages: 246-251, Published: 1998.