

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.