

## **Faculty Vitae**

Ying (Ada) Chen, Ph.D.

Associate Professor, tenure

School of Electrical, Computer, and Biomedical Engineering

1230 Lincoln Drive, Mail Code 6603

Southern Illinois University Carbondale, IL

E-mail: adachen@siu.edu

### **Education**

Ph.D., Duke University, 2007

### **Academic Experience**

Associate Professor, tenure, Department of Electrical and Computer Engineering (elevated as School of Electrical, Computer, and Biomedical Engineering since 2020), Southern Illinois University Carbondale, Illinois, 2012-present

Assistant Professor, tenure-track, Department of Electrical and Computer Engineering, Southern Illinois University Carbondale, Illinois, 2007-2012

### **Research Interests**

Image processing, image reconstruction, image quality characterization, 3D imaging computer simulation, medical imaging, computer vision.

### **Courses taught or developed**

ECE 467/ECE 567/BME 467/BME 567 Introduction to Biomedical Imaging

ECE 458/ECE 558 Digital Image Processing

ECE 315 Mathematical Methods in ECE

ECE/BME Computer Vision

ECE 475 Digital Health Cyber Systems

ECE 468 Digital Signal Processing

### **Service activities**

Faculty Senate, elected, Southern Illinois University Carbondale, 2019 - 2024.

Services at Department/School/College/University Services, Southern Illinois University Carbondale (SIUC), 2007 - present.

Invited Referee/Reviewer for textbook: Digital Signal Processing, publisher Elsevier

Invited Referee/Reviewer for book proposal: Introduction to Biomedical Imaging and Image Analysis from Carnegie Mellon University, publisher Cambridge University Press

Program Committee for IEEE conference, Boston.

Referee/Reviewer for journals IEEE Transactions on Medical Imaging, etc.

### **Mentorship achievements**

Served as advisor for SIUC Ph.D. and Master's students dissertation/thesis: 11.

Served on SIUC Master's and Ph.D. Committees: approximately 50.