

# Shinyi Wu

Associate Professor of Social Work and Industrial & Systems Engineering Dept. of Adult Mental Health and Wellness at USC Suzanne Dworak-Peck School of Social Work

Los Angeles, CA, US

Dr. Wu is a distinguished researcher who takes an engineering approach to research that spans many social work applications.

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## Description

Shinyi Wu is an associate professor with a secondary appointment at the USC Viterbi School of Engineering. She is also a senior scientist at the USC Edward R. Roybal Institute on Aging. Wu brings an engineering approach to research that spans many social work applications, from health, behavioral health, mental health, aging, organization and management, to policy analysis and transformation. With her cross-disciplinary perspective, she identifies, develops and analyzes real-world approaches and technology applications; these approaches have the potential to amplify humanity in health care delivery systems and to improve quality, efficiency and equity of services for disadvantaged populations with chronic illnesses. With a joint appointment in the Epstein Department of Industrial and Systems Engineering at Viterbi, Wu also helps train the personnel needed to ensure that all citizens have access to quality health care.

Wu was the principal investigator of the Diabetes-Depression Care-Management Adoption Trial (DCAT), evaluating an automated technology system that implemented evidence-based depression care management to improve outcomes and reduce disparities among low-income diabetes patients. That work was shaped by three research projects in which she also played a leadership role: a systematic review of the impact of health information technology on quality, efficiency and costs of medical care; an analysis of implementation costs and lessons learned for a national evaluation of innovative language access services for Spanish-speaking patients with limited English proficiency; and an evaluation that used a systems approach to assess the effects of lean management principles implementation in four public hospitals to improve congestive heart failure care.

Wu's current research focuses on testing interventions to reduce health care disparities. She is contributing to the design of a mobile health technology application for team-based care management in community settings and will evaluate the technology's effectiveness in stroke care management and coordination from the perspective of multiple stakeholders. In addition, she has a key leadership role in a Patient-Centered Outcomes Research Institute (PCORI) study to test a promotora (community health care worker) intervention for patients with multiple chronic illnesses and depression.

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## Availability

Keynote, Moderator, Panelist, Workshop

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## Industry Expertise

Research, Education/Learning

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## Topics

Health Systems, Health Care Disparity Reduction, Healthcare, Health, Mental Health, Health Care Disparity ,  
Mobile Health Technology

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## **Affiliations**

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### **Education**

**University of Wisconsin-Madison**  
PhD Industrial Engineering

**University of Wisconsin-Madison**  
MS Industrial Engineering

**Chung Yuan Christian University**  
BS Industrial Engineering

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### **Accomplishments**

**Outstanding Teacher of the Year**  
2015

Daniel J. Epstein Department of Industrial and systems Engineering, University of Southern California

**Sterling C. Franklin Award for Distinguished Faculty**  
2015

School of Social Work, University of Southern California

**Best Poster Paper**

2014

International Conference on Big Data and Analytics in Health Care, Singapore

**Honorable Mention**

2014

Preventing Chronic Disease Annual Student Paper Contest, National Center for Chronic Disease Prevention and Health Promotion, U.S. Centers for Disease Control and Prevention (With Doctoral student Brian Wu et al.)

**Faculty Development Award**

2008

Chinese American Faculty Association of Southern California

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