THE UNIVERSITY OF ARIZONA
College of Nursing

Visiting Scholar
Thursday February 1, 2024, 12PM

Technology for Aging in Place: Monitoring Mobility with Wearables and In-Home Sensors
CON 470 or by Zoom
Contact Office of Research and Scholarship for Zoom Link

Jane Chung, PhD, RN
Associate Professor
Virginia Commonwealth University School of Nursing

Dr. Jane Chung is an Associate Professor at Virginia Commonwealth University School of Nursing. She is a nurse scientist with special emphasis on aging and technology research. Her research program has two foci: 1) advancing the methods for functional health monitoring and risk detection among older adults using innovative sensor technologies and 2) improving social connectedness and well-being in socially vulnerable older adults based on advances in data science and digital technologies including novel machine learning algorithms. She currently leads two NIH-funded studies – 1) R01 project to identify digital biomarkers of mobility that are predictive of cognitive decline in community-dwelling older adults, and 2) R21 project where her team is developing a smart speaker-based system for automatic loneliness assessment in older adults. Recently, she has been selected as a fellow for the Betty Irene Moore Fellowship for Nurse Leaders and Innovators, and in this fellowship program, she is developing a smart speaker-based intervention designed to assist low-income older adults in managing chronic conditions and daily activities more effectively.