Xi Jessie Yang, PhD

Nurses' Trust in Robotic Assistance on the Labor Floor

Monday October 2, 2017
4:40PM in 1123 LBME

The use of automation to assist human performance is growing rapidly. As the capabilities of the automation advances, there is an increasing possibility that it might function actively to perceive and analyze information, make decisions, and execute actions. Ideally, with the assistance of automation, task performance of a human should increase. Unfortunately, performance gains are not always achieved, one of the reasons being the human's inappropriate trust in and dependence on automated technologies. In this seminar, I will present one study I involved in to examine nurses' trust in and dependence on a robotic decision support on the lab floor.

Dr. Yang joined the department of IOE at the University of Michigan in 2016 and direct the interaction and collaboration research lab. Prior to that, She was a postdoc at the computer science and artificial intelligence lab of MIT. She obtained her Ph.D. in Human Factors Engineering in 2014 from Nanyang Technological University Singapore. Her research interests include human-robot interaction and human factors in healthcare. Please refer to http://icrl.engin.umich.edu/ for more information.

The seminar series "Providing Better Healthcare through Systems Engineering" is presented by the U-M Center for Healthcare Engineering and Patient Safety (CHEPS): Our mission is to improve the safety and quality of healthcare delivery through a multi-disciplinary, systems-engineering approach.

For additional information and to be added to the weekly e-mail for the series, please contact genehkim@umich.edu

CENTER FOR
HEALTHCARE ENGINEERING & PATIENT SAFETY
UNIVERSITY OF MICHIGAN