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/](http://icrl.engin.umich.edu/) for more information.

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