



University
of Victoria

School of Health Information Science Seminar Series



Dr. Lukasz Mazur Presents: Chasing 'Zero' Harm & Excellence in Patient Care

Thursday, March 17th, 2022

12:00 pm – 1:00 pm Pacific

Online via [Zoom](#)

Abstract:

Despite decades of tremendous efforts and progress to improve patient safety in healthcare settings, major gaps at organizational-, managerial-, and human behavior-levels still exist. There is a need to assist healthcare organizations in their journeys towards higher reliability. In this talk I will focus on barriers and facilitators of change associated with this journey, while focusing on (1) healthcare professionals' decision making and behaviors, (2) usability of health information technology, and (3) wellbeing and workplace violence. To ground my perspectives, I will use number of theoretical frameworks and methodologies borrowed from continuous quality improvement, high reliability organizations, human information processing, and implementation science. To translate the theoretical concepts into practice, I will present set of projects and lessons learned from our laboratory and 'real' clinical settings.

Dr. Lukasz Mazur earned his BS, MS and PhD in industrial and management engineering from Montana State University. He is an associate professor and a director of Healthcare Engineering Department at the Radiation Oncology Department in the UNC School of Medicine. He also holds a joint appointment with School of Information and Library Science (SILS) where he teaches classes and advises students on their projects and research. His research interests include engineering management as it pertains to continuous quality and patient safety efforts in healthcare and human factor engineering with a focus on workload and individual performance during human-machine interactions. His most recent interests include application of data science methods and tools (e.g., artificial intelligence (AI), machine learning (ML), natural language processing (NLP)) to augment the medical decision making and quality assurance (QA) processes. While at the North Carolina State University, Lukasz was awarded the prestigious Alumni Outstanding Extension Service Award for his outreach work in healthcare industry, highlighting his passion for patient safety and operational improvements. He published >50 peer review papers, >100 conference proceedings abstracts, five book chapters, and co-authored one book.

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Meeting ID: 889 7826 5375