



School of Health Information Science

Seminar:

Cognition and Human-Computer Interaction: What is the Role of Cognitive Research in Health Informatics?

Speaker:

Andre Kushniruk

Professor and Director, School of Health Information Science, University of Victoria



OCT 25 on Zoom

10:00AM PST

Human-computer interaction (HCI) is critical to the adoption, acceptance, and use of information technology in health care. Central to assuring usable and effective systems is the ability to understand the impact of technology on human cognition, including clinical reasoning, decision-making, and communication. This talk will highlight some areas where cognitive aspects of HCI have been shown to play a critical role. The presentation will include a discussion of a number of cognitive theories and methods and will illustrate how they have been applied in health informatics. This includes consideration of several influential models of HCI. Methods from cognitive science that can be used to evaluate the impact of a range of healthcare information systems will be described. Video analysis coding schemes that can be used to identify the impact of technology on users' cognitive processes will also be illustrated. The presentation will end with discussion of emerging trends focused around the HCI and cognitive science in the field of health informatics.

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Meeting ID: 852 0696 8134

For more details: uvic.ca/hsd/hinf



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