Privacy in electronic medical record systems: the patient perspective

Presented by

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Abstract:
Health information technology has the potential to be a driving force in revolutionizing the healthcare system. However, privacy has been cited as a major barrier in the design, implementation, and acceptance of health information systems such as electronic medical record systems. In this talk, I will describe human-centered research aimed at understanding the patient’s perspective on privacy in electronic medical record systems. Throughout the talk I will situate our work within the broader field of human-centered computing research related to designing privacy enhanced health technologies, highlighting work on understanding peoples’ privacy attitudes and behaviors related to the introduction of technologies in the health system. I will focus on describing user studies with patients that led to design requirements and describe the iterative design process we employed. I will conclude by presenting the user interface solutions we have discovered for building privacy enhanced electronic medical records, and describe our plans for implementing it within a health system in the US.

Bio:
Kelly Caine is assistant professor in the Human-Centered Computing Division of the School of Computing at Clemson University where she directs the Humans and Technology lab (hatlab.org). She holds a B.A. from the University of South Carolina and a M.S. and Ph.D. from the Georgia Institute of Technology. She also completed a post-doc at Indiana University Bloomington in collaboration with the Indiana University School of Medicine, the Center for Law, Ethics and Applied Research in Health Information, and Regenstrief Institute. She speaks and writes on human-centered computing, human factors, privacy, health informatics, human computer interaction, empirical methods and designing for special populations. Her recent work, which is supported by agencies including the National Science Foundation and the Office of the National Coordinator for Health IT, is focused on designing, building and studying the effects of privacy-enhanced health technologies.