Prof. Ann Fruhling
Mutual of Omaha Distinguished Professor, College of Information Science and Technology, University of Nebraska, Omaha

Emergency Response System for Electronic Health Laboratory Diagnostics Consultation

Dr. Fruhling leads a research team focused on researching, evaluating and implementing technical solutions for a public health emergency response information system that is affordable, robust, secure and usable. Through this they have lowered some of the barriers to entrance in healthcare using information technology and we have made in-roads into what are sometimes sacred environments, hospital networks. Today, 65 emergency response information systems, called STATPack™, connect rural and metropolitan hospitals laboratories to three state public health laboratories. STATPack is a secure image and text messaging system that supports the exchange of critical laboratory information. The image capture technology supports both macroscopic and microscopic imaging. It provides remote and immediate consultation between subject matter experts and those on the front lines through internal paging and alert systems. These systems communicate within their own state networks plus share important public health information across state lines. This nationally recognised project has made a direct impact on the quality of life for rural citizens and patients. Dr Fruhling will present key features of STATPack and a live demonstration. She will discuss critical design considerations for the system, the usability studies that ensured the system met the users’ needs, and how the system is evolving to the next generation of mobile technology.

Tuesday 14 June 2016
11.00am seminar and discussion
12.00–12.30pm networking
Auckland University of Technology
AB201, North Campus
90 Akoranga Drive, Northcote
Auckland 0627
ehealth@aut.ac.nz

Free registration: tinyurl.com/ehealth-ERS

Dr. Ann Fruhling is a Mutual of Omaha Distinguished Professor in the College of Information Science and Technology at the University of Nebraska Omaha. She is the founding Director of the School of Interdisciplinary Informatics, home of Bioinformatics, Biomedical Informatics, Cyber Security and IT Innovation degrees. She is Director of the Consortium for Public Informatics. Dr Fruhling has been awarded more than $8 million in research and education funding supporting more than 70 students and staff. Dr Fruhling has over 75 publications in peer-reviewed academic journals. Recently, her team received a scientific methods award from DARPA for the CHIKV Prediction Challenge competition. One of her main research efforts has been the design, development, usability testing and deployment of STATPack, the Public Health Microbiology Emergency Response System. Today, there are 65 STATPack systems deployed in microbiology laboratories in three states. She is the Co-PI for a National Institute of Health ARHQ R01 award, “Optimizing the EHR for Cardia Care”. In 2012, she was appointed as the Core Competency Research Coordinator (CCRC) for consequence management for the National Strategic Research Institute (NSRI) sponsored by USSTRATCOM.