

2018 Nursing Knowledge: Big Data Science Conference
Pre-Conference: Track 2: Social Media Analytics and Mobile Technology
June 13, 2018

In the last decade, the explosion in mobile technology and the intranet of things has ushered in vast, new sources of data through in-home sensors, social media websites and patient engagement software. Nurse scientists are in the early stages of investigating how patterns hidden in these large data sets hold the key to improving health. This interactive track will provide exemplars and discuss how social media, sensor data and patient engagement software are combining to provide insight into solving complex health problems.

Time	Activity
9:30 am	Welcome Thomas R. Clancy and Martin Michalowski
9:30 am	<p>An Introduction to Social Media Data Analytics and Mobile Technology: This presentation will provide a brief description of social media data analytics and how they have been enabled through mobile technology and the Intranet of Things.</p> <p>Thomas R. Clancy, MBA, PhD, RN, FAAN, Clinical Professor and Associate Dean for Faculty Practice, Partnerships and Professional Development, University of Minnesota School of Nursing. Dr. Clancy serves as a clinical professor and associate dean for faculty practice, partnerships and professional development at the University of Minnesota School of Nursing. Prior to his appointment at the University of Minnesota School of Nursing in 2007, Dr. Clancy served 30 years in variety of leadership positions including Vice-President, Nursing, Mercy Hospital, Iowa City, Iowa and as a principle consultant for Siemens Medical Systems. Dr. Clancy specializes in the introduction of technology in health systems and manages the partnership between the University of Minnesota and OptumLabs™ to facilitate big data science research studies. He teaches in the Nursing Informatics Program at the University of Minnesota School of Nursing and has published over 60 articles and book chapters on the subject.</p>
10:00 am	<p>Nursing Insights From CaringBridge Notes This presentation will highlight Karen Monsen’s research on a large data set of notes extracted from CaringBridge, a social media site that provides a communication portal to families and friends during significant health crises.</p> <p>Karen Monsen, PhD, RN, FAAN, Associate Professor, The University of Minnesota School of Nursing. Dr. Monsen is an associate professor at the University of Minnesota School of Nursing where she co-directs the Center for Nursing Informatics. Her expertise is in public health nursing and nursing informatics and her intervention effectiveness research employs diverse methods including text mining, theory-based analysis, data mining, visualization and longitudinal analysis. Dr. Monsen leads the Omaha System Community of Practice and is the Director of the Omaha System Partnership for Knowledge Discovery and Health Care Quality. She has worked extensively with health care agencies and systems regarding documentation issues and data management.</p>

11:00 am	<p>The eNeighbor: A Proactive Health Monitoring Intervention for Dementia Caregivers Rachel Zmora will discuss her experience as an investigator in a 5-year demonstration project to determine the efficacy of in-home sensor technology in improving outcomes among persons with memory loss and family caregivers living in the community.</p> <p>Rachel Zmora, MPH, Graduate Research Associate, School of Public Health, University of Minnesota. Rachel Zmora is a PhD student studying epidemiology in the School of Public Health. Her research interests are in cardiovascular disease and the role of co-morbid chronic diseases in complicating diagnosis and management. For the last academic year, Rachel has worked as a graduate research assistant for Dr. Joseph Gaugler in the School of Nursing on several families and long-term care projects. She will discuss her experience on a 5-year demonstration project to determine the efficacy of in-home remote activity monitoring in improving outcomes among family caregivers of persons with Alzheimer’s disease or a related dementia living in the community.</p>
12:00 am	Lunch
1 pm	<p>Improved Patient Adherence Through Mobile Technology. Dr. Michalowski will discuss the use of mobile technology for improved patient adherence to treatment through education and engagement within the context of cardiovascular disease.</p> <p>Martin Michalowski, PhD, Assistant Professor, University of Minnesota School of Nursing Dr. Michalowski is an Assistant Professor in the School of Nursing at the University of Minnesota - Twin Cities. His background is in computer science with expertise in artificial intelligence (AI), automated reasoning, data integration, and medical informatics. His medical informatics research brings advanced AI methods and approaches to clinical decision support, including the mitigation of computerized clinical practice guidelines for complex patients. Dr. Michalowski has published over 40 peer-reviewed articles on a range of topics and he has co-founded several companies, including some in the healthcare domain.</p>
2 pm	<p>Improving Care Through Precision Engagement and the Interactive Care Model Karen Drenkard will discuss the benefits of online precision engagement in connecting with patients at the right time, in the right place and with the right information based on their personal readiness to engage.</p> <p>Karen Drenkard, PhD, RN, NEA-BC, FAAN, Senior Vice President /Chief Clinical Officer and Chief Nurse of the O’Neil Center at GetWellNetwork® Inc. in Bethesda MD. Dr. Karen Drenkard is the SVP/ Chief Clinical Officer and Chief Nurse of the O’Neil Center at GetWellNetwork® Inc. in Bethesda MD. She is responsible for the clinical direction and brings the voice of nursing to patient engagement and the innovation of technology for nursing practice. Dr. Drenkard is the past Executive Director at the American Nurses Credentialing Center and the Magnet Recognition Program. Prior to that, Drenkard served for 10 years as the SVP of nursing/chief nurse executive of Inova Health System. She is currently the President of the Friends of the National Institute for Nursing Research (FNINR); she serves as an editorial advisor to Journal of Nursing Administration (JONA) and Nursing Administration Quarterly (NAQ). She is a member of</p>

	<p>the Board of Visitors for the University of Pittsburgh School of Nursing, Indiana University School of Nursing, GWU School of Nursing Advisory Council, and is a Board of Trustee member for Anne Arundel Medical Center in Annapolis, Maryland. She is also an Advisory board member of the Watson Caring Science Institute. She is a fellow in the American Academy of Nursing and the National Academies of Practice.</p> <p>Drenkard received her doctorate in nursing administration from George Mason University, a Wharton Nurse Executive Fellow, and a Robert Wood Johnson Executive Nurse Fellow.</p>
3 pm	Track 2: Afternoon reflections – group activity Tom Clancy & Martin Michalowski
3:30 pm	Break
3:45 pm	All Tracks: Key Insights – from participants in tracks
4:30 pm	All Tracks: Wrap up - link Pre-conference to Conference over the next 2 days