

**2016 IEEE International Conference on Biomedical and Health Informatics**  
**Feb 24<sup>th</sup>-27<sup>th</sup>, 2016, Las Vegas, NV, USA**

**SPECIAL SESSION**

"From Bench to Bedside to Wellness: Are Standards Gaps Preventing Hindering Healthcare Innovation at the Point of Care?"

Living in the information age, today we are continuously inundated by vast amount of data arising from an unimaginably large swath of sensors and systems. An area of key importance in the big data regime is life sciences data, obtained from electronic health records, genomics, medical devices, drug trials, wearable and mobile health technology, to list just a few examples. Today's medical devices, electronic health records, and hospital systems are frequently known for being difficult to integrate. At best, there may be an application program interface, but it often takes integration teams from both systems to ensure success. The goal of this workshop is to bring together professionals to identify gaps and to develop insights that can accelerate standardization process. The panel will identify challenges and address standards-based solutions for health information interoperability. Case studies of some experiences will also be presented.

**LOCATION AND TIME**

Wednesday February 24, 2016

16:45-18:15

Room-Mesquite 4

**SESSION CHAIR**



**Carole Carey** is Standards Committee Chair for the IEEE Engineering in Medicine and Biology Society (EMBS) and the Life Sciences Technical Community (LSTC). She has over 23 years of experience as a former Scientific Reviewer in cardiovascular devices and as International Affairs Advisor at the U.S. Food and Drug Administration (FDA) Center for Devices and Radiological Health (CDRH). She earned BSEE/MS from Johns Hopkins U. and Loyola U., a Mansfield Fellow in Japan, and is currently a regulatory consultant.

**PANELISTS and PRESENTATIONS**

"The Impact of IEEE Standards Related to Healthcare"



**Donna Hudson** is Past Chair of Life Sciences Technical Community. She is Director of Academic Research and Technology, Professor of Clinical and Translational Informatics at University of California San Francisco (UCSF), and Professor in the Joint Graduate Group in Bioengineering, UC Berkeley/UCSF. She received her PhD from UCLA School of Engineering and Applied Science.

"Improving standardization of data to enable biomedical big data analytics"



**May Wang** is Associate Professor of Biomedical Engineering, Electrical and Computer Engineering, Hematology and Oncology, Winship Cancer Institute, Georgia Institute of Technology and Emory University. Kavli Fellow, a Georgia Research Alliance Distinguished Cancer Scholar, a fellow of The American Institute for Biological and Medical Engineering (AIMBE), Biocomputing and Bioinformatics Core Director in Emory-Georgia-Tech Cancer Nanotechnology Center.

"WHY STANDARDS MATTER: Stories from the Clinical Frontline"



**Meghan Dierks** is Assistant Professor of Medicine at Harvard Medical School, Division of Clinical Informatics. Director Clinical Systems Analysis at Beth Israel Deaconess, Harvard-MIT Program in BioMedical Informatics, Douglas Porter Fellow in Informatics at Beth Israel Deaconess. Board certified general surgeon trained at Washington University, St. Louis, MO and the Lahey Clinic, Burlington, MA.

"Applications of IEEE 11073 Standards in Remote Monitoring: Authentic Interoperability"



**Michael Kirwan** is Co-chair, IEEE 11073 Personal Health Devices (PHD) Working Group and Technical Operations Director at Personal Connected Health Alliance (PCHA) for Continua Health Alliance. He has over 20 years of experience in driving certification and testing strategies within major organizations.

"Industry case study – where patient care touches standards"



**Brad Tritle** is President and CEO for vitaphone ehealth solutions in the Americas, Chair of the HIMSS Patient Generated Health Data Task Force, and is a co-author of Engage! Transforming Healthcare through Digital Patient Engagement. He has served as a health information technology consultant to the U.S. Department of Health and Human Services and other organizations.