
The USC mHealth Collaboratory's Inaugural Mobile/Connected Health Symposium
April 25, 2018

- 9:00 Welcome and Opening
Randy Hill (ICT) and Donna Spruijt-Metz
- 9:15 - 10:00 Keynote: Field of Dreams of Reality: The Future of mHealth
Wendy Nilsen, PhD, National Science Foundation, Program Officer of Smart and Connected Health Program
- 10:00 - 10:15 Coffee
- 10:15 - 11:15 Panel: Technology and Data in Public Health
Panelists: Karthik Murali, PhD; HTE@USC Digital Health Team), Manas Bhatnagar, MHS, Associate Director of Data Analytics, Department of Surgery USC, and Sajjad Yacoob, MD; Medical Director, Ambulatory Care Services, Children's Hospital Los Angeles.
Moderator, Donna Spruijt-Metz, MFA PhD; Director, USC mHealth Collaboratory
- 11:15 - 12:00 Technical Session: mHealth and Social Systems
Kayla de la Haye, PhD.: Monitoring & Modeling Family Eating as a Complex Social System
Shinyi Wu, PhD: Using Mobile Apps and Intergenerational Learning Support to Help Older Adults Improve Diabetes Self-management
- 12:00 - 1:00 Lunch
- 1:00 - 1:30 Ernesto Ramirez, PhD: Leveraging Consumer Wearables to Transform Behavioral Research
- 1:30 - 2:50 Symposium & Panel: Virtual Reality and Virtual Humans for Health
Albert "Skip" Rizzo, Ph.D., Arno Hartholt, & Thomas "Brett" Talbot, M.D.
Skip Rizzo: Is Clinical Virtual Reality Ready for Primetime?
Arno Hartholt: Virtual Humans for Education and Health
Brett Talbot: Technological Advances in Virtual Patients
Panel with speakers, moderator Donna Spruijt-Metz, MFA PhD
- 2:50-3:05 Coffee

- 3:05–4:00 Lightening talks: 3-minute presentations of posters and demos
- 4:00-4:45 Keynote: Biases in self-reports: do they extend to real-time assessments?
Arthur Stone, PhD
- 4:45 - 5:00 Closing: Randy Hall, PhD
- 5:00 - 6:30 Cocktails, posters and Demos

Posters

Jenny Lee, Kristin Mendenhall, Kenneth Hayashida MD, Danielle Moody, Sarah Ingersoll
An Investigation of Tracking Technology in the Setting of an Established Exercise
Program for Individuals with Parkinson Disease: Implementation Challenges

Marcelo R. Rosales BS, Tanya Tripathi BPT, DR(PT), PhD candidate, Stacey Dusing PhD. PT., &
Beth A. Smith PhD. PT.

Surveying caregivers about device use and infant position using a smartphone-based
application: Response rates from a pilot study

Maggie Donovan
Glia mental health

Simone Verhagen, Claudia J. P. Simons, Catherine van Zelst, Philippe A. E. G. Delespaul
Constructing a reward-related Quality of Life function in daily life
-a proof of concept study-

Kenan Li, Rima Habre, Huiyu Deng, Robert Urman, John Morrison, Frank Gilliland, Christine
King, Anahita Hosseini, Lisa Valencia, Eleanne van Vliet, Majid Sarrafzadeh, Alex Bui, Jose-
Luis Ambite, Sandrah P. Eckel
Applying Multivariate Segmentation Methods to Human Activity Recognition from Wearable
Sensors Data

Xiaoxin Lin (LEED AP, WELL AP), Joon-Ho Choi (PhD, LEED AP), Marc Schiler (FASES), Shri
Narayanan (PhD) Human-Building Integration: Smart Lighting Control as a Function of Human
Eye Pupil Size in the Built Environment

Olivia Evanson, Shinyi Wu PhD

Comparison of Patient Satisfaction with Telehealth versus Automated Remote Monitoring for Comorbid Depression Care Management Among Low-Income Patients with Type 2 Diabetes: Results from a Comparative Effectiveness Trial

Tanachat Nilanon, Joanne Kao, Luciano Nocera, Jorge Nieva, Joan Broderick, Peter Kuhn, Cyrus Shahabi

Towards Improving Clinical Outcomes of Cancer Patients with Objective Human Performance Assessments

Kristina Han, MA, OTR/L, Amy J. Chatfield, MLS, and Stacey Schepens Niemiec, PhD, OTR/L
Mobile Health Interventions to Address Sedentary Activity in Older Adults

Demos

WeHealth

Lana Clay, Will Raasch and Mahrad Saeedi

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Fitabase

Ernesto Ramirez, PhD

MedMind

Sonya Liu, Nina Singh

Sensor Gateways on Autonomous Digital Networks Applied to Environmental Air Quality Monitoring

Kenneth Hayashida, MD; Gowri Sankar Ramachandran, PhD; Bhaskar Krishnamachari, PhD