Human-Habitat for Health (H3): Human-habitat multimodal interaction for promoting health and well-being in the Internet of Things era
Workshop on 20th ACM International Conference on Multimodal Interaction (ICMI)

Session	Title	Author(s)	Session Chair
9.00-9.10	*Opening Remarks*		
Keynote Address 1 9.10-10.10	Personal Health Informatics at a Crossroads: Addressing the Pathology Bipolar Disorder and Supporting the Social Ecologies of Long-Term Mental Health Management in mHealth Design	Stephen Voida (University of Colorado Boulder)	
Session 1	*Paper Session 1*		Amir Behzadan (Texas A&M)
10.10-10.30	Assistive Technologies Megatrends to Support Persons with Alzheimer's Disease and Related Dementias in Urban and Rural Habitats: Usability, Engineering & Policy Considerations	Preeti Zanwar (Texas A&M University); Patricia Heyn (University of Colorado Denver); Greg McGrew (University of Colorado Denver); Mukaila Raji (University of Texas)	
10.30-10.50	A Multimodal Human Robot Interaction Framework based on Cognitive Behavior Therapy Model	Fazel Keshtkar (ST. John's University); Neelesh Rastogi (ST. John's University); Suruz Miah (Bradley University)	
10.50-11.10	CRADLE: An IoMT Psychophysiological Analytics Platform	Nikhil Yadav (St. John's University); Fazel Keshtkar (ST. John's University)	
Keynote Address 2 11.10-12.10	Innovations in Aging: Technology-based Solutions Promoting Wellness and Independence	Davis Park (Front Porch Center for Innovation and Wellbeing)	
12.10-13.30	*Lunch Break* (on own)		

Session 2	*Paper Session 2*		Theodora Chaspari (Texas A&M)
13.30-13.50	Towards an Effective Arousal Detection System for Virtual Reality	Ifigeneia Mavridou (Centre of Digital Entertainment, Bournemouth University); Ellen Seiss (Bournemouth University); Theodoros Kostoulas (Bournemouth University); Charles Nduka (Emteq Ltd.); Emili Balaguer-Ballester (Bournemouth University)	
13.50-14.10	Traeddy: A Stress Sensitive Traffic Jam Companion for Car Commuters, **I. Aslan & B. Bittner**	Michelle Martin (University of Augsburg); Franziska Geiger (University of Augsburg); Manuel Götz (University of Augsburg); Tobias Beeh (University of Augsburg); Markus Sosnowski (University of Augsburg); Martin Keppner (University of Augsburg); Ilhan Aslan (University of Augsburg); Björn Bittner (University of Augsburg); Elisabeth André (University of Augsburg)	

14.10-14.30	Pen-Pen: A Wellbeing Design to Help Commuters Rest and Relax, **I. Aslan & B. Bittner**	Monika Pichlmair (University of Augsburg); Carolin Brandt (University of Augsburg); Marcel Henrich (University of Augsburg); Alexander Biederer (University of Augsburg); Ilhan Aslan (University of Augsburg); Björn Bittner (University of Augsburg); Elisabeth André (University of Augsburg)	
14.30-14.50	*Break*		
Session 3	*Paper Session 3*		Theodora Chaspari (Texas A&M)
14.50-15.10	Utilizing Building Information Models as Operating Systems for Smart Homes	Joseph Louis (Oregon State University)	
15.10-15.30	EVAQ: Person-Specific Large Crowd Evacuation Modeling	Songjukta Datta (Texas A&M); Amir Behzadan (Texas A&M)	
15.30-15.50	Capturing and quantifying emotional distress in the built environment	Megha Yadav (Texas A&M University); Theodora Chaspari (Texas A&M University); Jinwoo Kim (Texas A&M University); Changbum Ahn (Texas A&M University)	

15.50-16.30	*Discussion & closing remarks*		