Emotion Aware 2024

8th International workshop on emotion awareness for pervasive computing - beyond traditional approaches

In conjunction with 2024 IEEE International Conference on Pervasive Computing and Communications (PerCom24, March 11-15, 2024, Biarritz, France

TECHNICAL PROGRAM

Monday, March 11, 2024

13:30-13:40	**Opening** (Chair: Klaus David, Judith Heinisch)	**Prof. Klaus David** (University of Kassel) **Prof. Tadashi Okoshi** (Keio University) **Chelsea Dobbins** (University of Queensland) **Judith Heinisch** (University of Kassel)
13:40-15:00	**Session 1** (Chair:)	
15min presentation *5min questions*	*Are We in Flow? Measuring and Supporting Simultaneous Flow in Duos of Elderly Cyclists*	Mario Boot, Laura Kahnt, Dees Postma, Baran Ulak, Karst Geurs and Paul Havinga (University of Twente, The Netherlands)
	A Method for Recognizing Location Familiarity to Present Adequate Information to Pedestrians	Ryosuke Takegawa, Ayumi Ohnishi, Tsutomu Terada and Masahiko Tsukamoto (Kobe University)
	Emotion on the Edge: Air Quality Sensors Decoded as a Real-World Emotion Indicator	Thomas William Johnson and Kieran Woodward (Nottingham Trent University); Eiman Kanjo (Imperial College London)
	Attention-Based Fusion of Intra- and Intermodal Dynamics in Multimodal Sentiment Analysis	Ehsan Yaghoubi and Tuyet Kim Tran (Universität Hamburg); Diana Laura Borza (Babes Boylai University); Simone Frintrop (Universität Hamburg)
15:00 – 15:30	**Afternoon break**	
15:30 – 16:10	**Session 2** (Chair:)	
15min presentation *5min questions*	*Evaluation of Semi-Supervised Machine Learning applied to Affective State detection*	Inigo Martin-Melero (Universidad de Leon); Ana Serrano-Mamolar (Universidad de Burgos); Juan Rodríguez-Díez (University of Burgos)
	Emotion Prediction Through Eye Tracking in Affective Computing Systems	Janick Edinger, Melanie Heck, Christian Becker
16:10 – 16:40	**Keynote** *„Overcoming Affect Recognition's Curse of Normality in the Wild"* **Abstract:** Research has focused for a while now on naturalistic studies that rely on recording spontaneous	**Prof. Dr. Kristof van Laerhoven**

	emotions that happen to us in everyday life. A well-known but tricky challenge that tends to pop up in such studies is the fact that emotions are less pronounced in the sensor data, as well as hard to annotate. In this talk, I will illustrate the problem with my team's own research since publishing the WESAD data set, and provide a few ways that we have come up with, to ensure that study recordings are useful for emotion-related research.	
16:40– 17:00	**Discussion and Closing** (Chair: Klaus David, Judith Heinisch)	