

## **Aspects of Using Wearables in Affective and Social Research Contexts**

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Within this talk, we would like to discuss the use of widely available consumer wearables in the context of human-subject studies. We will present our work on evaluating three consumer wearables on their suitability to detect lab-induced stress. The experiences from this study resulted in the development of a Design Space for Physiological Measurement Tools which presents a criteria space for choosing an appropriate wearable measurement tool in study contexts. We will further present preliminary results of a qualitative study on validating and extending this design space based on 10 expert researcher and consumer interviews. Based on these results, we would like to highlight design guidelines for human subject studies leveraging wearable device data.