Human Centered Multimodal AI for Mental Health and Wellbeing

Sensors and computing systems facilitate non-disruptive monitoring of human daily life behaviors and responses and enable real-time interventions. Combining diverse and multimodal measurements, such as clinical and remote sensing data, has demonstrated potential in predicting and managing mental health. However, challenges related to data collection, modeling, feedback, and deployment still remain.

In this talk, I will address these challenges and showcase progress and future directions for measuring, predicting, and supporting mental health and wellbeing.
Specifically, I will highlight developing robust and fair inference models using unlabeled and multimodal data, the potential of leveraging social graph networks, and the development of adaptive and diverse sensing and interpretable feedback systems.