

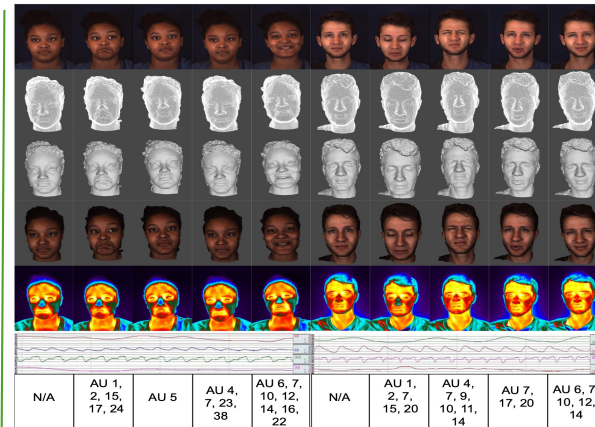
Affective Computing, AI for Health

Human-centered AI :

- Facial Expression Recognition(FER);
- FACS detection;
- Activity Recognition;
- 3D facial modeling;
- Wearable-based human modeling
- Affective computing;

AI for Health:

- Learning from the large amount of unlabeled diverse modalities collected from human (representation learning, self-supervised learning, anomaly detection, domain adaptation, etc);
- Providing interpretable evidence for decision making;
- Improving the delivery of care to patients

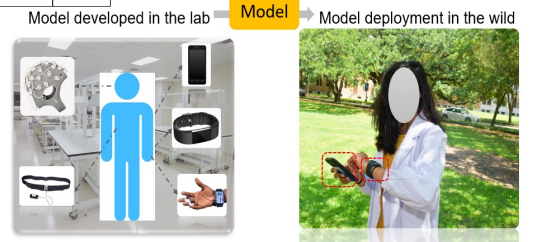


BP4D++ (above)

Multimodal Spontaneous Emotion Corpus, which contains multimodal datasets including synchronized 3D, 2D, thermal, physiological data sequences.



BU-EEG (above) records both the 128-channel EEG signals and face videos.



Contact Information:

Huiyuan Yang

Assistant Professor

Department of Computer Science

Email: hyang@mst.edu

Website: <https://hyang428.github.io>



[[Google Scholar](#)]



Keywords:

- Affective Computing
- Representation Learning
- Multimodal Machine Learning
- Human-centered AI
- AI for Health

