The 4th RePSS - Multimodal Fusion Learning for Remote Physiological Signal Sensing Challenge & Workshop

The challenge and workshop will be organized in conjunction with the **IEEE International Joint Conference on Artificial Intelligence (IJCAI 2025)** at Montreal, Canada (August 16th - 22nd, 2025). Welcome to join the challenge, or submit papers to the workshop!
To obtain more information, please visit our website, **or scan the QR code to be redirected to our website.**

Challenge Topic:

- ✓ **Develop innovative multimodal fusion approaches that integrate RGB and Near-Infrared (NIR) facial videos to improve the accuracy and robustness of rPPG measurements.** The challenge is organized on the Kaggle website.
- ✓ **Top 3** ranked teams will be awarded certificates (Present a paper at the workshop).

Team registration deadline:
April 30

Final test submission deadline:
May 17

Challenge results release:
May 24

Paper submission deadline:
May 31

Notification to authors:
June 6

Workshop Call for papers:

The workshop calls for high-quality and original research works. The topic includes but is not limited to:
- ✓ New methodologies and data developed for remote measurement of all kinds of physiological responses of human bodies.
- ✓ New databases collected for remote measurement of all kinds of physiological signals and their applications.
- ✓ Hardwires/apparatuses/imaging systems developed for the purpose of remote physiological measurement from the face and body.
- ✓ Solutions for special challenges involved with remote physiological signal sensing.
- ✓ Application-oriented studies of remote physiological sensing.
- ✓ Multimodal approaches for remote measurement of physiological signals are especially welcomed.

Note: The paper submission deadline is the same as the challenge deadline.

Organizers:

- ✓ Zhejiang University, China
- ✓ Institute of Computing Technology, Chinese Academy of Sciences, China.
- ✓ University of Oulu, Finland.
- ✓ INRIA, France.

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