



# ACM Multimedia **2023** Ottawa, Canada

## Facial Micro-Expression Workshop

Advanced techniques for Multi-Modal Facial  
Expression Analysis

### Call for Papers

Facial micro-expressions (MEs) are involuntary movements of the face that occur spontaneously when a person experiences an emotion but attempts to suppress the facial expression, typically found in a high-stakes environment. The duration of MEs are very short generally lasting no more than 500 milliseconds (ms) and is the telltale sign that distinguishes them from a normal facial expression.

We are organising a Facial Micro-Expression (FME) Workshop for facial micro-expression research, involving FME recognition, spotting, and generation.

This workshop explores the intelligent analysis of personal emotions through facial expressions, with particular emphasis on micro-expression analysis to study hidden emotions. A focus on multi-modal approaches and novel generation techniques will be encouraged.



### Key Dates



- Submission Deadline: 21st July 2023
- Notification: 6th August 2023
- Camera-ready: 13th August 2023

### Submission



Full submission details can be found on the workshop website: [megc2023.github.io](https://megc2023.github.io)  
Papers should be prepared according to the submission guidelines for ACM MM 2023.

### Topics

We invite original works that address a variety of challenges of facial expression research, including but not limited to:

- Facial expressions (both micro- and macro-expressions) detection/spotting
- Facial expression recognition
- Multi-modal micro-expression analysis, combining such as depth information, heart rate signal etc.
- FME feature representation and computational analysis
- Unified FME spot-and-recognise schemes
- Deep learning techniques for FMEs detection and recognition
- New objective classes for FMEs analysis
- New FME datasets
- Psychology of FME research
- Facial Action Unit (AU) detection and recognition
- Emotion recognition using AUs
- FME Applications

### Organisers

#### Programme Chairs

Adrian K. Davison, Manchester Metropolitan University

Jingting Li, Chinese Academy of Sciences

#### Comittee

Moi Hoon Yap, Manchester Metropolitan University

John See, Heriot-Watt University Malaysia

Xiaobai Li, University of Oulu

Wen-Huang Cheng, National Taiwan University

Xiaopeng Hong, Harbin Institute of Technology

Su-Jing Wang, Chinese Academy of Sciences

#### Advisory panel

Xiaolan Fu, Chinese Academy of Sciences

Guoying Zhao, University of Oulu

