Introduction

Mood is a fundamental element of human society and personality. Understanding our moods helps manage them and feel better faster. Being aware of our moods can improve our lifestyle choices and work towards a better quality of life. Mood data are named neurophysical data. Most of the time, users’ emotional/mood statuses are investigated by asking questions. Physical data or sensor data contains measurements of the users like heartbeats, sleep quality, energy, movement/mobility parameters. Mobile applications collect more than physical data like device usage habits and personal interests. That being remind, as with every data science problem, we need to dive down to the core challenge of moodflow:

- What data should we collect? What correlations are we looking for? What aspects should we dive more into than others?
- Is there any issue in having access to such data? What are the societal and cultural views on having access to mood? What privacy regulations need to be maintained? What about data security?
- How to frame the challenges of moodflow monitoring? What should our mood model classes be? What are we optimizing for? How to interpret the results of machine learning mood flow analysis?

Scope

We aim to accelerate research in Moodflow data science by providing a forum for the latest innovations in the intersection of Machine Learning and Moodflow. The special session is specifically going to focus on Moodflow data science innovations that accelerate the digital organization, integration, access, and sharing in support of the Machine Learning enhanced Moodflow domain. This domain comprises not only Moodflow data acquisition and monitoring, but also includes novel methods to improve our understanding of Moodflow, to enhancing human mood comprehension, as well as behavior understanding and their health connections.

This special session is going to provide a forum for researchers and practitioners involved in different and complementary domains to confront research results and to discuss key problems.

The major topics of interest of this special session include, but are not limited to:

- Moodflow data collection
- Moodflow processing and quality assessment
- Moodflow data science
- Intelligent Moodflow management
- Moodflow analytics and affective computing
- Ethical approaches to data collection
Applications in several domains like Education, Marketing, Video & Movie, Health are welcome.

**Submission Guidelines and Instructions**
Papers submitted for reviewing should conform to IEEE specifications. Manuscript templates can be downloaded from [IEEE website](https://www.ieee.org). The maximum length of papers is 8 pages. All the papers will go through double-blind peer review process. Authors’ names and affiliations should not appear in the submitted paper. Authors’ prior work should be cited in the third person. Authors should also avoid revealing their identities and/or institutions in the text, figures, links, etc.

Papers must be submitted via the [CTM System](https://www.engconf.org) by selecting the track “Special Session: MLMoodflowlytics: Machine Learning meets Moodflow Collect and Analysis”. All accepted papers must be presented by one of the authors, who must register.

**Paper Publication:**
Accepted papers will be published in the ICMLA 2021 conference proceedings (to be published by IEEE).

A selected number of accepted papers will be invited for possible inclusion, in an expanded and revised form, in some journal special issues
- International Journal of Online and Biomedical Engineering (iJOE) [https://online-journals.org/index.php/i-joe/](https://online-journals.org/index.php/i-joe/)

**Important Dates:**
- First round submission deadline: August 6, 2021
- First round notification of Acceptance: September 4, 2021
- First round revision submission due: September 10, 2021
- First round final notification due: September 20, 2021

- Second round submission deadline: September 1, 2021
- Second round notification of Acceptance: September 15, 2021
- Second round revision submission due: September 20, 2021
- Second round final notification due: September 25, 2021

Camera-ready papers & Pre-Registration: October 1, 2021

**Special Session Organizers**
- Marie-Hélène Abel (UTC, France)
- Frederic Andres (NII, Japan)
- Bernard Blancan (CIRET (France), NII (Japan))
- Christine Lahoud (UFE, Egypt)
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