Call for Contributions

1. Inform the Chair: with the title of your contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=BRAININFO+2025+Special
Please select Track Preference as **AAHED**
3. Note: *For 2025, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

AAHED: Analysis and Applications of Human Emotion Dynamics

Chair
Prof. Dr. Clement Leung (SSE), Chinese University of Hong Kong, Shenzhen, China
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along with

BRAININFO 2025: The Tenth International Conference on Neuroscience and Cognitive Brain Information
https://www.iaria.org/conferences2025/BRAININFO25.html
March 9 - 13, 2025 - Lisbon, Portugal

In contemporary society, individuals increasingly face significant pressures that can stem from various sources. The intricate nature of human interaction and brain processes underscore the critical importance of accurately perceiving and articulating emotions. Emotions profoundly shape individual experiences, influencing every facet of life including our interactions, decision making processes, and overall well-being.

Human emotion dynamics includes identifying and interpreting human emotions. People vary significantly in their ability to accurately recognize the emotions of others, which has led to the emergence of a specialized field that leverages technological advancements to aid in this task. Additionally, the concept of affective forecasting - also known as hedonic forecasting mechanism - plays a special role in this domain.

This Special Track aims to bring together the latest research findings on the theory and applications of Emotion Detection, Recognition, Classification and Prediction made possible particularly by leveraging methods from Artificial Intelligence, Large Language Models, Machine Leaning and Big Data Analytics.

Papers on, but not limited to, the following topics are welcome:

- AI and Big Data enabled emotion recognition
- Early warning and detection of critical emotions
- Multi-modal emotion detection and recognition
- Applications of emotion dynamics to art, music, and industry
- Mathematical models of emotion evolution dynamics
- Deep learning methods for emotion detection
- Large language models for emotion recognition

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Important Deadlines
Inform the Chair or Coordinator: As soon as you decide to contribute
   Submission: Jan 18, 2025
   Notification: Feb 7, 2025
   Registration: Feb 20, 2025
   Camera-ready: Feb 20, 2025
Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chairs.

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the Open Access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=BRAININFO+2025+Special
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Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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