Special Issue

Emerging Trends in Affective Computing and Measuring Emotional Intelligence

Message from the Guest Editor

Affective computing is an interdisciplinary field combining **psychology and computer science**, focused on recognizing and analyzing human emotions through **facial expressions (dynamic/micro), speech, multi-modal signals, and physiological data** (e.g., EEG, ECG, MEG). While AI underpins many current methods, improving emotion recognition requires deeper integration with **psychological and neuroscientific insights**, aiming for greater accuracy and broader emotional classification in real-life applications. This Special Issue seeks **innovative, multidisciplinary research** at the intersection of affective computing and **emotional intelligence (EI) measurement**, including but not limited to:

- AI-based approaches to assess EI components such as **self-awareness, regulation, empathy, motivation**, and **social skills**.
- Integration of **psychological theory and AI** for emotion analysis.
- Advances in **facial expression**, **speech**, **multi-modal**, and **biosignal-based** emotion recognition.
- **Quantitative methods** for detecting emotional disorders (e.g., **loneliness, depression, anxiety**) within **computational psychology/psychiatry**.

Guest Editor

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Deadline for manuscript submissions

20 November 2025

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/238241

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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