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Emotion Recognition in Human-Machine Interaction

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Deadline for manuscript submissions:
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Message from the Guest Editors

In recent years, human-machine interaction (HMI) research has been gaining momentum in numerous application domains such as healthcare, entertainment, and public services. In many HMI applications, it is essential for the machine, such as a computer or a robot, to measure, understand, simulate, and react to human emotions. Thus, emotion recognition has become one of the most important aspects of HMI. Currently, emotion recognition technology has broadly spanned from remote sensing (e.g., computer vision) to wearable devices (e.g., physiological sensors). Hybrid methods that integrate the advantages of different sensing and recognition mechanisms have also demonstrated their strength and flexibility, especially in application-driven designs demanded by different user groups characterized by demographic features, health conditions, application environments, and other factors that impact user preferences. We invite original research papers and review articles on HMI-related emotion recognition innovations, including but not limited to algorithms, sensors, application-oriented system integration and tuning, as well as feasibility and usability studies.

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Message from the Editor-in-Chief

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