Application of Affective Computing

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Message from the Guest Editors

This Special Issue aims to provide a platform for researchers to share their novel contributions related to machine learning and deep learning methods for affective computing and the application of affective computing. Affective computing is a field that focuses on enabling machines to automatically perceive, recognize, and express emotions from/with multimodal signals, such as video, image, audio, and text. If machines could understand emotions in a similar way to humans, existing human–computer interaction systems would become more natural. With the advancements in deep learning models and the use of well-designed structures and loss functions, affective computing has achieved significant progress and presented promising prospect in recent years. This Special Issue encourages contributions related to unimodal and multimodal affective computing, emotional signal synthesis and conversion, large-scale databases, recent advances in affective computing, as well as applications of affective computing in various fields such as healthcare, education, entertainment, and security.

Special Issue

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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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