



Musical Interactions

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Message from the Guest Editor

Music is a structured sonic event for listening, which evolves around literature, performance repertoire and instrument design. Musical interaction occurs in a framework where a tight loop between sensory integration, cognitive appraisal and multimodal coordination is performed as time-critical processing, necessitated by social interaction, often only implied. Music making and music affect are conducive to multimodal associations, as reflected in song, dance and ceremony, and in movie and video game sound tracks.

Seeing musicians play, and playing while listening creates context for multimodal experience enhanced by AI and sensory signal processing. Musical interactions can be defined over a wide range of models and simulations, from physical and biological to linguistic and emotional.

This Special Issue aims to present perspectives from interdisciplinary research domains such as AI, HCI, multimodal interaction, playful interfaces, music supported therapy, and neuroscience to generate insights and better understandings of multisensory experience and multimodality through musical interaction, for a broader implication beyond the domain of music.

