

Embodied Minds: From Cognition to Artificial Intelligence

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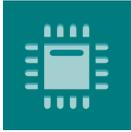
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Message from the Guest Editors

Scientists in the field of human cognition have conventionally viewed the mind as a computer distinct from the body; however, mental processes and bodily states are intertwined. As asserted by Lakoff and Johnson in their work *Philosophy in the Flesh*, reason is shaped by internal sensations from our bodies and external experiences via the neural structure of our brains. There is a growing body of evidence supporting the claim that human body is a component of consciousness rather than a servant of the mind. Nonetheless, a comprehensive understanding of mental functioning in real life will require a highly detailed analysis of the interactions between the mind and body. This Special Issue focuses on the mind–body interactions elicited by exposing subjects to natural stimulation or prompting subjects to perform sensory-guided movements. Innovative work from the perspectives of cognition or methodology is acceptable. Preferably, analysis is based on signals from at least two devices, such as EEG in conjunction with ECG and respiration, or fNIRS in conjunction with GSR. Topics that are applicable to clinical, sport, education, or health settings are of particular interest.





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