

Special Issue

Emotions in Robots: Embodied Interaction in Social and Non-Social Environments

Message from the Guest Editor

Whether they are considered discrete or dimensional, emotions are 'embodied' phenomena. The embodied agent does not play a merely passive role in emotion processing. Rather, the body itself, in interaction with its external environment, influences how real/imagined, environmental stimuli are perceived and acted upon. The body behaviorally orients and acts, and internally physiologically 'prepares' in relation to its external environment. Today, we see a shift towards robots that need to interact in relation to the social and emotional aspects of human environments. There are at least three areas in which 'embodied' implementations of emotion processes can enhance robotic performance in human environments: i) improved human-interactor experience, ii) facilitated competence, iii) safety. The mode of embodiment of the emotion-guided robot entails not only its physical dimension regarding how and what it senses and appears to human interactors but also its internal homeostatic aspects that regulate its goals and those very same interactions.

Guest Editor

Dr. Robert Lowe

University of Gothenburg, Gothenburg, Sweden

Deadline for manuscript submissions

closed (18 July 2018)



Multimodal Technologies and Interaction

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.8



mdpi.com/si/12467

*Multimodal Technologies and
Interaction*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

mti@mdpi.com

mdpi.com/journal/

[mti](https://mdpi.com/journal/mti)





Multimodal Technologies and Interaction

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.8



[mdpi.com/journal/
mti](https://mdpi.com/journal/mti)



About the Journal

Message from the Editor-in-Chief

Towards the end of 2018, I was approached to be the new Editor-in-Chief for the *Multimodal Technologies and Interaction (MTI)* journal. I was honored to be considered and happily accepted the role, starting in January 2019.

MTI is a new journal, and since starting in 2017, has published 10 issues with over 140 papers, with the number of publications continuing to grow. As Editor-in-Chief, I would like to continue increasing the number of high-quality papers that we publish, and in addition, work towards improving the journal in other ways, such as getting the journal listed on ISI, establishing an impact factor, and increasing our social media presence.

I would also like to better engage with the research community, including bringing some new members onto the Editorial Board, focusing the journal on the latest areas of interest, marketing at leading conferences and, most importantly, getting feedback from our readers.

Editor-in-Chief

Prof. Dr. Mark Billinghurst

1. School of Information Technology and Mathematical Sciences, University of South Australia, Adelaide, SA 5000, Australia
2. Empathic Computing Laboratory, The University of Auckland, Auckland 1010, New Zealand

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, dblp Computer Science Bibliography, and other databases.

Journal Rank:

CiteScore - Q1 (Neuroscience (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the first half of 2025).