

## Special Issue

# Coupling Computation and Human Cognition through Interaction Design

### Message from the Guest Editors

The focus of this special issue is on human cognition and computation *teaming together* to achieve goals of complex activities. We are interested in cases where human cognition and computation form a *partnership* and jointly carry out tasks. In such contexts, coupling is achieved through *interaction* between humans and computational artifacts. Thus the focus of the issue is on coupling computation and cognition through *interaction design*. This special issue welcomes general theories, models, and frameworks as well as applications in specific domains. Topics of interest include (but are not limited to):

- Coupling human cognition and machine learning
- Interactive visualization and visual analytics
- Human-in-the-loop analytics
- Joint cognitive systems
- Interactive model steering
- Interactive data-driven learning
- Human-computer joint reasoning
- Mixed-initiative interaction
- Cognitive systems engineering

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 December 2017)



## Multimodal Technologies and Interaction

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an Open Access Journal  
by MDPI

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Impact Factor 2.4  
CiteScore 5.8



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## 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.

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### Editor-in-Chief

Prof. Dr. Mark Billinghurst

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### 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).