



## **Coupling Computation and Human Cognition through Interaction Design**

Guest Editors:

**Prof. Dr. Kamran Sedig**

Department of Computer  
Science, Faculty of Information  
and Media Studies, The  
University of Western Ontario,  
London, ON N6A 3K7, Canada

**Dr. Paul Parsons**

Department of Computer  
Graphics Technology, Purdue  
University, 401 N Grant St, West  
Lafayette, IN 47907, USA

Deadline for manuscript  
submissions:

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### **Message from the Guest Editors**

Dear Colleagues,

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

Dr. Kamran Sedig

Dr. Paul Parsons

*Guest Editors*





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### 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

## 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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## Contact Us

*Multimodal Technologies and  
Interaction* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

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