Special Issue

Applied Computational Semantics in Information Security

Message from the Guest Editors

The past few decades have seen an explosive growth in the use of computers around the world. Lagging behind the initial uptake of computing devices was an appreciation for proper information security.

Whole industries now exist around network perimeter defence and secure coding practices. However, effective protective measures for human users are missing. Attackers recognize this fact and continue to make effective use of email phishing to gain initial access to a target network. Meanwhile, intelligence analysts are deluged by more unstructured, human language data than they can ever process manually. These are problems where computational semantics can play a role in solving. Modern approaches to computational semantics vary widely.

This Special Issue collects novel, state-of-the-art research into computational semantics. The selected articles present a range of approaches to computational semantics and information security problems. A diversity of information security problems and computational semantics techniques are desired.

Guest Editors

Dr. Christian F. Hempelmann
Ontological Semantic Technology Lab, East Texas A&M University, Commerce, TX, USA

Dr. Courtney Falk
Ontological Semantic Technology Lab, Texas A&M University-Commerce, Commerce, TX, USA

Ms. Lauren M. Stuart
Amazon

Deadline for manuscript submissions

closed (24 May 2019)

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).