



an Open Access Journal by MDPI

Computational Models of Cognition and Learning

Guest Editors:

Prof. Dr. George D. Magoulas

Birkbeck Knowledge Lab,
Department of Computer
Science, Birkbeck College,
University of London, London
WC1E 7HX, UK

gmagoulas@dcs.bbk.ac.uk

Dr. Maitrei Kohli

Developmental Neurocognition
Lab, Birkbeck College, University
of London, Malet Street, London
WC1E 7HX, UK

maitrei@dcs.bbk.ac.uk

Prof. Dr. Michael Thomas

Department of Psychological
Sciences, Birkbeck College,
University of London, Malet
Street, London WC1E 7HX, UK

m.thomas@bbk.ac.uk

Message from the Guest Editors

Artificial intelligence (AI) and cognitive science, psychology, and neuroscience have a long and entwined relationship with many examples of AI and Machine Learning (ML) research intricately coupled with research in cognitive science, psychology, neuroscience, and biology. In this context, computational modelling has been a powerful tool, eminently suitable to address the research goals of these fields. Computational models can help in enhancing both our fundamental and high-level understanding of human learning and cognitive processes, and at the same time provide both inspiration and validation for AI methods and ML techniques to accelerate and steer AI and ML research.

This Special Issue will explore the vital importance of this collaboration, disseminating research findings in cognitive science, psychology, and neuroscience that could aid in generating novel methods, models, and frameworks in the fields of AI and ML, and vice versa.

Deadline for manuscript
submissions:

closed (30 April 2019)



mdpi.com/si/21842

Special Issue