big data and cognitive computing

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Knowledge Modelling and Learning through Cognitive Networks

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Message from the Guest Editors

Dear Colleagues,

Cognitive network science is a rapidly growing research area investigating a wide range of mental phenomena through complex network representations of cognitive systems and supported by the increasing availability of cognitive Big Data. The researchers developing this innovative research area come from a variety of fields. Cognitive networks represent a powerful approach for investigating cognitive phenomena where the networked, associative organization of this phenomenon influences cognitive processes operating over it.

This Special Issue aims at bringing together quantitative, innovative research that focuses on modeling knowledge through cognitive networks for gaining insights into mechanisms driving cognitive processes related to knowledge structuring, exploration and learning. We are open to a variety of publication types, including reviews and theoretical papers, empirical research, computational modeling, and Big Data analysis. Submissions to this Special Issue should demonstrate how the application of network science extends and broadens cognitive science and knowledge modeling in ways that traditional approaches cannot.