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

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