Special Issue

Cognitive and Physiological Assessments in Human-Computer Interaction

Message from the Guest Editors

Cognitive and physiological measures have made astonishing progress in the evaluation, assessment, and creation of novel interaction scenarios for user interfaces.

This development includes research into the redesign, appropriate modeling, and guidelines for cognitive as well as physiological sensing. On one hand, predictions provide the opportunity to adapt systems to the characteristics of users, improving the way in which they interact with them; on the other hand, perceptual integration from cognitive sciences must be reconsidered in the design of automated systems where users and systems can adapt to each other. This has a significant impact on automation, digitalization, and how users interact with their devices in their daily lives.

This Special Issue provides a forum to report the most up-to-date research results in the HCI field, as well as comprehensive surveys of the state of the art in relevant specific areas of cognitive and physiological assessments. Both original contributions with theoretical novelty and practical solutions for addressing particular problems of cognitive and physiological assessments in HCI are solicited.

Guest Editors

Prof. Dr. Valentin Schwind
Frankfurt University of Applied Sciences, Frankfurt, Germany

Dr. Thomas Kosch
Telecooperation Lab, Technical University of Darmstadt, 64289 Darmstadt, Germany

Deadline for manuscript submissions

closed (28 February 2023)

Big Data and Cognitive Computing

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 9.8

mdpi.com/si/96700

Big Data and Cognitive Computing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
bdcc@mdpi.com

mdpi.com/journal/BDCC

Big Data and Cognitive Computing

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 9.8

mdpi.com/journal/BDCC

MDPI

About the Journal

Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Min Chen
School of Computer Science and Engineering, South China University of Technology, Guangzhou 510641, China

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), dblp, Inspec, Ei Compendex, and other databases.

Journal Rank:

JCR - Q1 (Computer Science, Theory and Methods) / CiteScore - Q1 (Computer Science Applications)