

Special Issue

Human-Centered and Sustainable Artificial Intelligence: Emerging Perspectives in HCI

Message from the Guest Editors

Artificial intelligence is taking a central role in digital systems for purposes that support everyday human activities. Recent advances in these systems have confirmed the need for human-centered design. In this context, human-computer interaction (HCI) plays a key role in designing digital systems that are both intelligent and user-friendly. In this Special Issue, original research articles and reviews that explore the intersection of AI, HCI, and sustainability are welcome. Research areas may include (but not limited to) the following:

- Smart cities and HCI: designing intelligent and sustainable experiences for urban environments;
- Human-in-the-loop approaches;
- Sustainable interaction paradigms for AI-powered systems;
- Energy-efficient algorithms and edge AI for HCI;
- Explainable AI and user trust in automated systems;
- Inclusive and accessible design for intelligent interfaces;
- Ethical frameworks and participatory design in AI applications;
- Human-centered evaluation of AI-HCI systems;
- Tools and methodologies for sustainable AI development;
- Digital technologies and sustainable HCI in resource management;
- Case studies on AI adoption in real-world HCI scenarios.

Guest Editors

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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.

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