

ISKE 2023

Fuzhou, China

November 17-19, 2023

Special Session on

Intelligent manufacturing
enables sustainable development

The 2023 IEEE International Conference on Intelligent Systems and Knowledge Engineering (ISKE 2023) is the 18th in a series of ISKE conferences. The conference will be held in Fuzhou, a beautiful place in southeast of China.

The conference proceedings will be published by IEEE Press (sent to be EI indexed). Special issues of SCI indexed journals will be devoted to a strict refereed selection of extended papers presented at ISKE 2023.

 <http://iske2023.org/>

Scope and Motivation

The growing concerns on environmental degradation due to industrial production and the leaping development of intelligent manufacturing are two of the most significant trends in recent years in the industry. Independently, the overarching goal of sustainable researches is understanding how to ensure the well-being of current and future generations within the limits of the natural world from the perspectives of social and economic governance, environmental management, public value cultivation, and sustainability-oriented innovations in various industrial sectors. While, intelligent manufacturing realizes data-driven innovations for delivering highly customizable products and services faster, cheaper, better, and greener. However, the possible connections or the optimal integration of these two factors remain unclear. Therefore, we organized this Special Session, aims to offer a systematic overview of this emerging research field and provide innovative interdisciplinary approaches. It will provide a leading forum for disseminating the latest results of studies, development, and applications of sustainability research enabled by intelligent manufacturing.

List of Topics

- Intelligent sustainable product design;
- Intelligent sustainable production system modeling, simulation, and optimization;
- Sustainability-oriented decision support systems;
- Sustainability-oriented supply chain optimization;
- Environmental and sustainability assessment;
- Circular economy – computational models;
- Sustainable consumption – computational models;
- Interactions between health and environment and others, all related to the application of computer intelligence to sustainability research.

Important Dates

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| • Full Paper Submission Deadline | July 31, 2023 |
| • Acceptance Notification Deadline | August 31, 2023 |
| • Camera-Ready Paper Submission Deadline | October 30, 2023 |
| • Conference Dates | November 17-19, 2023 |



PAPER SUBMISSION

<https://easychair.org/my/conference?conf=iske2023>

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