

Special Issue

Selected Papers from CD-MAKE 2021 and ARES 2021

Message from the Guest Editors

This Special Issue will mainly consist of extended papers selected from papers presented at the 5th International Cross Domain Conference for Machine Learning & Knowledge Extraction (CD-MAKE 2021) as well as the 16th International Conference on Availability, Reliability and Security (ARES 2021). Please visit the conference websites for a detailed description:

<https://www.ares-conference.eu/> and <https://cd-make.net/>

Guest Editors

Prof. Dr. Simon Tjoa

Prof. Dr. Edgar Weippl

Prof. Dr. Andreas Holzinger

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Deadline for manuscript submissions

closed (7 February 2022)



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an Open Access Journal
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Impact Factor 6.0
CiteScore 9.9



mdpi.com/si/92238

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About the Journal

Message from the Editor-in-Chief

Machine learning deals with understanding intelligence to design algorithms that can learn from data, gain knowledge from experience and improve their learning behaviour over time. The challenge is to extract relevant structural and/or temporal patterns (“knowledge”) from data, which is often hidden in high dimensional spaces, thus not accessible to humans. Many application domains, e.g., smart health, smart factory, etc. affect our daily life, e.g., recommender systems, speech recognition, autonomous driving, etc. The grand challenge is to understand the context in the real-world under uncertainty. Probabilistic inference can be of great help here as the inverse probability allows to learn from data, to infer unknowns, and to make predictions to support decision making.

Editor-in-Chief

Prof. Dr. Andreas Holzinger

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Author Benefits

High Visibility:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 27 days after submission; acceptance to publication is undertaken in 4.4 days (median values for papers published in this journal in the second half of 2025).

Journal Rank:

JCR - Q1 (Engineering, Electrical and Electronic) /
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