Special Issue

Machine Learning, Deep Learning and Explainable Artificial Intelligence in Knowledge Representation

Message from the Guest Editors

We are pleased to announce a Special Issue of the MDPI Journal *Information*, entitled "Machine Learning, Deep Learning and Explainable Artificial Intelligence in Knowledge Representation". The aim of the above Special Issue is to provide a forum for an open discussion on the broad concept of leveraging the field of Knowledge Representation alongside the techniques of machine learning and deep leaning, with the conceptual framework of Explainable AI; all such ideas have acquired momentum in recent years. The scope of this Special Issue includes, but is not limited to, the following topics:

- Knowledge discovery on the web;
- Knowledge alignment with machine learning;
- Deep learning and knowledge understanding;
- LLM and KR;
- Explainability of knowledge discovery;
- Natural language processing with deep learning techniques;
- Ontology from text;
- Understanding sensor data;
- Symbol grounding with deep learning;
- Non-monotonic reasoning with knowledge discovery;
- New pipeline models for reasoning with data;
- Applicability of deep learning with decision making and knowledge representation.

Guest Editors

Dr. Claudio Tomazzoli
Department of Computer Science, University of Verona, 37129 Verona, Italy

Dr. Matteo Cristani
Department of Computer Science, University of Verona, 37129 Verona, Italy

Deadline for manuscript submissions

closed (31 December 2024)

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About the Journal

Message from the Editor-in-Chief

The concept of *Information* is to disseminate scientific results achieved via experiments and theoretical results in depth. It is very important to enable researchers and practitioners to learn new technology and findings that enable development in the applied field.

Information is an online open access journal of information science and technology, data, knowledge and communication. It publishes reviews, regular research papers and short communications. We invite high quality work, and our review and publication processing is very efficient.

Editor-in-Chief

Prof. Dr. Willy Susilo
School of Computer Science and Software Engineering, University of Wollongong, Northfields Avenue, Wollongong, NSW 2522, Australia

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