Knowledge Graphs and Machine Learning Techniques for Sustainable Transportation Systems

Guest Editors:

Dr. Charalampos Bratsas
Department of Mathematics, Aristotle University of Thessaloniki, Thessaloniki, Greece

Dr. Josep-Maria Salanova Grau
Head of data analysis and modelling laboratory, Hellenic Institute of Transport (HIT), Centre for Research and Technology Hellas (CERTH), Thermi, Greece

Dr. Georgia Aifadopoulou
Center for Research and Technology Hellas/Hellenic Institute of Transport, CERTH/HIT, 6th Km Charilaou—Thermi Rd., Thermi, Thessaloniki, Macedonia, 57001 Hellas, Greece

Deadline for manuscript submissions:
closed (31 January 2022)

Message from the Guest Editors

The needs of life, population growth, urban sprawl, air pollution, and other environmental problems cause several issues in transportation systems, and intelligent approaches have been applied to resolve them in an efficient manner.

Intelligent approaches to optimizing transportation-related services include unlocking hidden knowledge and patterns in increasingly spatiotemporal and crowdsourced information collected from various sources, such as mobile phone sensors, vehicle telemetric, Bluetooth-enabled devices, and Twitter.

Machine learning is one element of Artificial Intelligence, where computers can self-teach and improve their performance of specific tasks. Complementary to machine learning processes are knowledge graphs, which offer a way to model any domain's data with the help of experts, interlink data, automate responses, and scale intelligent decisions.

This Special Issue aims to provide the most recent advances in knowledge graphs and machine learning techniques on intelligent transportation systems as well as to bring knowledge graphs and machine learning together to intelligent transportation system applications and extend their range of capabilities.

Special Issue

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us