

Special Issue

Development of Advanced Models in Information Systems

Message from the Guest Editors

This Special Issue focuses on two fundamental keywords, “model” and “information system”. The concept of the system has been applied by the originators of cybernetics. The general system theory is applied in various disciplines. There are social systems, conceptual systems (i.e., information or knowledge systems), and technical systems. In each of them, the information is included and modeled.

Recommended topics include, but are not limited to, the following:

Conceptual models;
Modeling for information system lifecycle management;
Modeling for cyber–physical systems for systems development and implementation;
The practice of system modeling;
Model-driven engineering;
Digital ecosystem modeling;
Enterprise architecture frameworks and models;
Low-code modeling;
Modeling in processes, from the requirements to coding;
Applications of predictive, explanatory, exploratory, and prescriptive models;
Languages, tools, and notations for information systems modeling.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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