Special Issue

Modelling of Complex Software Systems

Message from the Guest Editors

Modelling is pivotal for the development of complex systems. From the Internet of Things to Industry 4.0, the complexity of new generations of systems has introduced several new challenges both from a technical and a business perspective. Enterprises are increasingly required to improve the quality of systems while reducing the costs associated with their development, operations and maintenance. Furthermore, modern systems are required to operate within and adapt to ever-evolving environments. In recent decades, the software engineering community has acknowledged model-driven engineering as a powerful instrument for the development of complex systems using languages, techniques and tools enabling and supporting modelling. Modelling can be carried out at different stages of the software lifecycle, exploiting the strengths of different abstractions, analysis and simulation techniques. It can also support these systems in addressing their need for continuous adaptation and evolution. This Special Issue welcomes contributions from both researchers and practitioners describing advancements on the modelling of modern complex software systems.

https://www.mdpi.com/si/51527

Guest Editors

Dr. Romina Eramo
University of L'Aquila, via Vetoio, I-67100 L'Aquila, Italy

Dr. Alessio Bucaioni
Mälardalen University, Box 883, 72123 Västerås, Sweden

Dr. Luca Berardinelli
Johannes Kepler University Linz, Altenberger Straße 69, 4040 Linz, Austria

Deadline for manuscript submissions

closed (30 October 2021)

Modelling

Modelling

an Open Access Journal by MDPI

Impact Factor 1.5
CiteScore 2.2

mdpi.com/journal/modelling

About the Journal

Message from the Editorial Board

We encourage you to contribute a research or comprehensive review article for consideration and publication in *Modelling* (ISSN 2673-3951), an international open access journal, which is published quarterly online by MDPI. The editorial board and staff of *Modelling* are dedicated to providing an advanced forum for studies related to the development and applications of modelling and simulation techniques. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications.

Editors-in-Chief

Prof. Dr. Alfredo Cuzzocrea
1. DISPES Department, University of Calabria, 87036 Rende, Italy
2. Institute of High Performance Computing and Networking, Italian National Research Council, Via P. Bucci, 7/11C, 87036 Rende, Italy

Prof. Dr. Wei Gao
School of Civil and Environmental Engineering, Faculty of Engineering, University of New South Wales, Sydney, NSW 2052, Australia

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, Ei Compendex, EBSCO and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.5 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q2 (Mathematics (miscellaneous))