

Special Issue

Advances and Challenges in Model- and Data-Based Software and Systems Engineering for Complex Systems

Message from the Guest Editors

This Special Issue welcomes technical papers presenting research and practical results, position papers, survey papers addressing the key problems, and solutions on any of the mentioned topics. Topics of interest include but are not limited to the following:

- New modeling concepts in software and systems engineering;
- Knowledge-based and data-driven methods;
- Learning- and feedback-based approaches;
- Model-based requirements engineering;
- Traceability of requirements (modeling and analysis);
- Domain-specific models and their integration into meta-models;
- Automated generation of different views in development of complex systems;
- Architecture evaluation and quality aspects of software and system architectures;
- Model-driven engineering;
- Component-based software engineering;
- Automatic extraction and generation of architecture descriptions;
- Refactoring and evolving architecture design decisions and solutions;
- Architecture conformance.

Guest Editors

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Deadline for manuscript submissions

closed (15 November 2024)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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