



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

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Message from the Guest Editors

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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