

## Special Issue

# Advances in Artificial Intelligence Engineering

### Message from the Guest Editors

This special issue is aimed at addressing issues the opportunities and challenges derived by integration of AI and SE (Software Engineering) for both AI-guided SE and SE for AI. This includes (but not limited to):

- AI planning applied to SE development process;
- Self-adapting code generators;
- AI-based code analyzers for detecting code smells and anti-patterns;
- Using ML of models, meta-models, and model transformation through search-based approaches in model-based software engineering (MBSE);
- AI-based assistants such as bots for SE tools;
- AI assistants for human-in-the loop modeling such as conversational virtual assistants for dialog-based optimization of SE tasks;
- AI support for various stages of SE development process;
- AI-based and automated natural language processing (NLP)
- Application of AI in semantic reasoning platforms;
- Code recommendation engines;
- ML-based automated code review and assessing the risk of a code change;
- AI techniques for data, process and model mining and categorization;
- Case studies of applications of AI/ML in SE and vice versa.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 March 2025)



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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 guest-edited by leading experts in selected topics of interest.

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