

Special Issue

Machine Learning Methods in Software Engineering

Message from the Guest Editors

Currently, the modern digital economy and society rely on software systems. Many software development projects fail or struggle to finish on time within budget. Software engineering is challenged with fast changes in project objectives, constraints, or priorities. Changes in competitive threats, technology, organizations, leadership priorities, and environments must be incorporated into the software engineering process. The involvement of machine learning can improve strategies such as incremental and evolutionary development, which brings new issues from requirements to the sizing of new projects. Contributions scope may include topics such as:

- neural networks, including a deep neural network in software engineering;
- deep learning and other artificial algorithms for predictions in software engineering;
- clustering methods in software engineering;
- bio-inspired algorithms and their application;
- fuzzy sets;
- machine learning and AI application in project effort estimation;
- mathematical statistics and AI applications in testing and software quality.

The contribution may be related to the whole software development lifecycle.

Guest Editors

Dr. Radek Silhavy

Dr. Petr Silhavy

Prof. Dr. Luiz Fernando Capretz

Dr. Ali Bou Nassif

Deadline for manuscript submissions

closed (15 July 2024)



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

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