

## Special Issue

# AI in Software Engineering: Challenges, Solutions and Applications

### Message from the Guest Editors

Researchers and practitioners are invited to submit original studies for the Special Issue on “AI in Software Engineering: Challenges, Solutions and Applications”, which aims to explore the transformative role of artificial intelligence in software engineering, addressing both current challenges and pioneering solutions. We welcome submissions covering AI-driven approaches to software engineering, design, testing, maintenance, and project management. Topics may also include innovative AI applications for code generation, debugging, quality assurance, and enhancing developer productivity. This Special Issue offers a platform for multidisciplinary insights that bridge AI advancements and software engineering needs. Join us in advancing knowledge on AI's potential to shape the future of software engineering. We look forward to receiving your contributions.

---

### Guest Editors

Prof. Dr. Zhenyu Chen

Software Institute, Nanjing University, Nanjing 210093, China

Dr. Chunrong Fang

Software Institute, Nanjing University, Nanjing 210093, China

---

### Deadline for manuscript submissions

closed (20 June 2025)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/222410](https://mdpi.com/si/222410)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls-ci@mdpi.com](mailto:appls-ci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[appls-ci](https://appls-ci.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )