

## Special Issue

# Development of Artificial Intelligence and Computational Thinking: Future Directions, Opportunities, and Challenges

### Message from the Guest Editors

The advent of Artificial Intelligence (AI) has revolutionized numerous aspects of society, from industry to healthcare, education, and beyond. Given this transformative power, our upcoming Special Issue focuses on the “Development of Artificial Intelligence and Computational Thinking: Future Directions, Opportunities, and Challenges”. In this Special Issue, we aim to explore the intricate interplay between AI and computational thinking, delving into their ongoing development and envisioning their future trajectories. As AI continues to be integrated into various domains, understanding computational thinking becomes paramount, serving as the cornerstone for effectively harnessing AI potential while navigating its complexities. We aim to foster interdisciplinary dialogue and collaboration among researchers, practitioners, educators, and policymakers through this Special Issue. By collectively exploring the development of AI and computational thinking, we endeavor to chart a course towards a future in which these technologies empower individuals, enrich societies, and drive innovation across the globe.

---

### Guest Editors

Dr. Georgios Lampropoulos

Department of Applied Informatics, University of Macedonia,  
Thessaloniki, Greece

Dr. Stamatios Papadakis

Department of Preschool Education, University of Crete, 74100  
Rethymno, Greece

---

### Deadline for manuscript submissions

31 July 2026



## AI

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0  
CiteScore 6.9



[mdpi.com/si/199972](https://mdpi.com/si/199972)

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

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

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





# AI

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0  
CiteScore 6.9



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



## About the Journal

### Message from the Editor-in-Chief

---

#### Editor-in-Chief

Prof. Dr. Kenji Suzuki

Biomedical Artificial Intelligence Research Unit (BMAI), Institute of  
Integrated Research, Institute of Science Tokyo, Yokohama 226-8501,  
Japan

---

#### Author Benefits

##### Open Access:

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

##### High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO,  
and other databases.

##### Journal Rank:

JCR - Q1 (Computer Science, Interdisciplinary Applications)  
/ CiteScore - Q2 (Artificial Intelligence)