



Applications of Artificial Intelligence in Operating Systems

Guest Editors:

Dr. Donghyun Kang

Department of Computer
Engineering, Gachon University,
Seongnam-si 13120, Republic of
Korea

Dr. Jaeho Kim

Department of Software
Engineering, Gyeongsang
National University, Jinju-si
52828, Republic of Korea

Deadline for manuscript
submissions:

closed (28 February 2025)

Message from the Guest Editors

Dear Colleagues,

Recently, the explosive increase in AI/ML applications has accelerated the development of software systems optimizing CPU, GPU, memory and storage technologies. In addition, with the advent of new hardware and software platforms for AI/ML technologies, traditional operating systems are updating their approaches.

This Special Issue on “Applications of Artificial Intelligence in Operating Systems” welcomes submissions of recent research work on applications and software systems for artificial intelligence (AI) and machine learning (ML).

We are open to a broad thematic range of papers covering software optimizations of AI and ML across operating systems, memory and storage challenges, new hardware technologies and research trends offering readers knowledge for adopting AI/ML for system software in various mobile, embedded and enterprise environments.

Dr. Donghyun Kang

Dr. Jaeho Kim

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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, Embase, CAPus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (Fluid Flow and Transfer Processes)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
X@Applsci