Special Issue

AI, Security for Digital Health

Message from the Guest Editors

Recent advances in artificial intelligence (AI) have resulted in significant improvement in digital healthcare systems, which are capable of automated diagnosis and identifying the prognosis of complex diseases. Much of the research work to improve digital healthcare systems involves interdisciplinary research including artificial intelligence, medical image processing, data mining, health informatics, data science, machine/deep learning-based algorithms, models and software tool developments and applications. Most of these technologies and models rely on the big data collected from patients, including medical signals (EEG, ECG) and imaging (MRI, fMRI), as well as data from sensor and electronic health records (HER). Since AI technology and algorithms rely heavily on collecting large amounts of data to train models, security and patient privacy concerns remain a key concern in the healthcare sector when it comes to AI. In this Special Issue, we aim to highlight new theories and applications of artificial intelligence in digital healthcare, as well as research on digital health security.

Guest Editors

Dr. Mohammad Ali Moni

Artificial Intelligence & Digital Health Data Science, School of Health and Rehabilitation Sciences, The University of Queensland, Brisbane, QLD 4072, Australia

Dr. Khondokar Fida Hasan

InfoSec Discipline, School of Computer Science, Queensland University of Technology, Brisbane, QLD 4001, Australia

Deadline for manuscript submissions

closed (30 April 2023)

Algorithms

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.5

mdpi.com/si/150189

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

mdpi.com/journal/algorithms

Algorithms

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.5

mdpi.com/journal/algorithms

MDPI

About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

Prof. Dr. Frank Werner
Faculty of Mathematics, Otto-von-Guericke-University, P.O. Box 4120, D-39016 Magdeburg, Germany

Author Benefits

Open Access:

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

High Visibility:

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

Journal Rank:

JCR - Q2 (Computer Science, Theory and Methods) / CiteScore - Q1 (Numerical Analysis)