Applied and Computational Mathematics

Special issue on Artificial intelligence; where do we stand?

Aims and scope

The concept of artificial intelligence is based on the assumption that machines can imitate the human thought process. Even before the industrial era, speculations of artificial intelligence could be seen in different civilizations. From the first day, this field of study faced several fluctuations; sometimes, it attracted a lot of attention, and sometimes it experienced winters due to some technological shortcomings. But, during the last decades, the field of artificial intelligence did not completely disappear. After each winter, artificial intelligence came into the picture, attracted a lot of attention, and became an important research field. There is a simple explanation for today's rise of artificial intelligence: now, thanks to the ever-improving ability of fast computation, artificial intelligence-based methods work perfectly in many applications.

The major purpose of this issue is to explore the latest developments in artificial intelligence. Additionally, the application of these methods in various fields including economic and social challenges, games, agriculture, cyber security, finance, health, chemistry and biology, astronomy and space activities, energy, manufacturing, transport, etc. will be discussed.

Any contribution that provides an added value to artificiall intelligence and its applications is of interest to this special issue. The topics of interest include – but not limited to– the following:

- Novel theory and methodology of artificial intelligence
- In-depth evaluation of the AI techniques
- Emerging Trends of Deep Learning in AI
- Application of Artificial Intelligence in Finance, Cyber Security, Health, Agriculture, Transports, Biological Sciences, Aerospace, etc.

Guidelines

Authors can submit their manuscripts through the online submission system www.acmij.az. They have to use *"Special issue on Artificial intelligence; where do we stand?"* for the submission. Only papers with new and outstanding results related to artificiall intelligence and its applications within this scope will be considered for review. Routinely submissions and papers with only theoretical values will be directly rejected without being sent to review. Please however feel free to contact chief_ed@acmij.az or executive_ed@acmij.az. Please note that papers will have to adhere to the journal space and style requirements.

Important Deadlines:

Opens for submission: 1 **August, 2022**
Submission Deadline: **31 May 2023**
Reviewing Process Deadline: **30 June 2023**
Publication of Special Issue: **August 2023**

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