Special Issue

Mathematical Method for Artificial Intelligence and Mobile Edge Computing

Message from the Guest Editors

With the popularization of diverse smart Mobile Devices (MDs) and the advent of many new wireless services in the emerging 5G networks, mobile applications led to an explosive growth of data traffic. Mobile Edge Computing (MEC), which brings network functions and contents to the network edge, has been proposed. According to ETSI, MEC is an important component in the 5G architecture. Compared with mobile Cloud computing (MCC), MEC empowers MCC by extending cloud computing and caching services from the centralized cloud to the edge of networks, which can improve the Quality of Service (QoS) of mobile applications with considerably reduced latency and power consumption. Recently, some researchers have paid attention to the combination of AI and MEC. However, integrating AI with MEC still raise several major challenges in various aspects of algorithm design, resource allocation, security, privacy, incentive mechanism, etc. This special issue solicits papers with novel contributions that address such issues regarding advances in Mathematical Method for Artificial Intelligence and Mobile Edge Computing.

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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