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# AI Technology for Cybersecurity and IoT Applications

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## Message from the Guest Editors

Artificial intelligence (AI) technology is emerging in the cybersecurity and Internet of Things (IoT) areas with great promise. The continuous emergence of novel, invisible, and complex cyber-attacks, such as advanced persistent threats (APT), fuels the demands for intelligent discovery and prevention of cybersecurity threats. To deal with the aforementioned complex threats, AI technology for novel cybersecurity includes the construction of a dynamic cyber-attack model, intelligent defense, as well as fine-grained preserved privacy. On the other hand, AI technologies for IoT can be clustered into intelligent environment sensing, edge computing, and communications. AI technology for IoT supports the intelligent management and efficient control of heterogeneous IoT sensors in the process of data collection and edge computing for decentralized big data. In addition, the novel communications in IoT (e. g. Terahertz in 6G) are envisioned to be implemented and deployed through AI-enabled allocation and scheduling technologies. Together with recent advances in AI technology, the applications of AI for both cybersecurity and IoT are still open and require immediate studies.

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