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AI-Based Security and Privacy for IoT Applications

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Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editors

The Special Issue solicits high-quality contributions that focus on the design and development of new technologies, algorithms, and tools to advance explanation and reasoning for AI-powered IoT.

The topics of interest include, but are not limited to:

- Explainable AI solutions for data collection, management, and analysis in IoT
- Graph Neural Network/Attention-based solutions for data mining in IoT
- Explainable AI solutions for decision making in IoT smart applications
- Explainable incentive mechanism design in collaborative frameworks for sensing/learning/computing in AI-powered IoT
- Graph embedding-based solutions to graph data mining for IoT big data
- Access control and authentication
- Security and privacy of mobile applications
- Data encryption and signature
- Explainable AI strategies to defend security threats in IoT
- Explainable privacy protection methods for IoT data with AI support
- Network resource management schemes for IoT with AI support
- AI solutions for communications in IoT
- AI solutions for fog/edge/cloud services in IoT
- AI solutions for blockchain deployment in IoT
- Knowledge-based AI solutions for data processing in IoT



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Special Issue



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Message from the Editor-in-Chief

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