Advances in Data-Driven Distributed Intelligence for Network Efficiency, Security, Measurement and Trust

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Message from the Guest Editor

This Special Issue is dedicated to the application of data-driven methods and distributed AI techniques, including Federated Learning, Gossip Learning, and Split Learning, in the domains of Efficiency, Security, Measurement, and Trust in computer networking.

By integrating distributed AI methodologies, this Special Issue aims to bolster network security, streamline authentication processes, refine measurement accuracy, and enhance trust, all while safeguarding users' privacy and optimizing energy resources. This Special Issue seeks to uncover innovative approaches for harnessing distributed AI's potential for Efficiency, Measurement, Security, and Trust, especially within dynamic network settings and energy-efficient IoT environments. By emphasizing the practical implementation of these advanced technologies, this endeavor contributes to a more secure, privacy-focused, and energy-efficient future in computer networking.

The topics of interest include, but are not limited:

- Data-Driven Methods;
- Distributed Machine Learning;
- Federated Learning;
- Gossip Learning;
- Split Learning;
- (Mobile) Ad Hoc Networking;
- IoT (Internet of Things).

Special Issue

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Message from the Editor-in-Chief

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