Special Issue

AI-Driven 6th-Generation (6G) Wireless Systems

Message from the Guest Editor

Sixth-generation (6G) wireless systems will have increasingly stringent and diversified requirements for performance, security, interoperability, ease of integration, and flexibility, while facilitating the emergence of many new applications, services, and use-cases not supported by current systems. Sixth-generation technology will also widely adopt dynamic energy harvesting and spectrum sharing, which further complicates power control and energy/spectrum management. To tackle the challenging requirements and resulting complexities, time-efficient and optimal solutions based on data-empowered artificial intelligence (AI) can play an immense role in the 6G paradigm. The topics of interest in this Special Issue include but are not limited to the following:

- AI-driven zero-touch networks for 6G;
- AI-assisted intelligent reflecting surfaces for 6G;
- AI-enabled softwarization and virtualization for 6G;
- AI–native air interfaces for 6G;
- AI-enhanced green communications for 6G;
- AI-based intelligent threat discovery and mitigation for 6G;
- AI-aided integration of heterogeneous systems for 6G.

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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