Special Issue

Advances in Deep Learning for Network-Based Localization and Navigation

Message from the Guest Editors

The goal of this Special Issue is to showcase cutting-edge research on deep learning methodologies for network-based localization and navigation. We welcome contributions that address theoretical foundations, algorithmic improvements, and practical implementations. Topics of interest include, but are not limited to, the following:

- Deep learning models for RF-based localization (Wi-Fi, 5G, LoRa, etc.);
- Neural networks for sensor fusion in multi-modal navigation systems;
- Self-supervised and unsupervised learning for localization in sparse data scenarios;
- Real-time and lightweight deep learning solutions for edge devices;
- Robustness and adversarial defense in positioning systems;
- Federated and distributed learning for privacy-preserving localization;
- Applications in autonomous systems, IoT, and smart environments;
- Distributed cooperative localization for UAV swarms.

Guest Editors

Dr. Enwen Hu

School of Electronic Engineering, Beijing University of Posts and Telecommunications, Beijing 100876, China

Dr. Lu Yang

School of Intelligent Engineering and Automation, Beijing University of Posts and Telecommunications, Beijing 100876, China

Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Future Internet is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

Editor-in-Chief

Prof. Dr. Gianluigi Ferrari
Department of Engineering and Architecture, University of Parma,
Parco Area delle Scienze, 181/A, 43124 Parma, Italy

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