

## Special Issue

# Joint Design and Integration in Smart IoT Systems

### Message from the Guest Editors

Smart systems are large, distributed, and complex systems, empowered through diverse IoT technologies and involving the integration and management of heterogeneous components in different layers. However, there are numerous challenges associated with the design, integration, management, and coordination of smart systems. The papers in this Special Issue address the above challenges and propose solutions for the joint design and integration of smart systems at various levels. We invite original research papers that focus on, but are not limited to, the following topics related to smart systems:

- Integration design architecture and frameworks;
- Co-design of communication and computing components;
- Co-design of sensing, communication, and computing components;
- AI-assisted co-design of sensing, communication, and computing components;
- Modeling and simulation environments for evaluating co-design methodologies;
- Security and privacy in the co-design and integration of smart systems;
- Data science, engineering, and practice in the co-design and integration of smart systems;
- Machine learning models and architectures in the co-design and integration of smart systems.

### Guest Editors

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### Deadline for manuscript submissions

closed (10 April 2025)



## Future Internet

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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.

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### Editor-in-Chief

Prof. Dr. Gianluigi Ferrari  
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