

**FITEE Special Feature on
Computing and Network Convergence: Architecture, Theory,
and Practice**

Call for Papers

(Submission by Mar. 1, 2023)

Computing and network convergence (CNC) is the joint optimization of computing and network resources, which has become a hot topic in the industries of information technology and communication technology. Such joint optimization of the connectivity and computing/cloud leading to ubiquitous and guaranteed service level agreement (SLA) on both connectivity and computing resource supply may bring new architectural design of network infrastructure and novel information service pattern.

This special feature will cover theories and technologies related to CNC, which includes, but is not limited to, architecture, protocols, and platform. With the trends of low carbon emission and fast increase of artificial intelligence (AI) computing requirement, related research includes CNC scheduling and orchestration, computing and network resource identification, addressing, awareness, measurement, and in-network computing, etc. The scenario covers both fixed and cellular wireless networks. Through attracting high quality papers, researchers from academia and industry will achieve better understanding about CNC architecture, hardware design, optimization algorithm, and applications, which can promote research, standardization, and deployment.

We call for papers on the following topics (but not limited to):

- Computing/cloud and network convergence architecture
- 5G-A/6G network integrated with computing service
- Integrated sensing, communication and computing
- Coordination scheduling of cloud, network, edge, and terminal
- Computing and network resource identification and addressing
- Service, computing and network resource awareness
- Computing aware network routing
- In-network computing
- Transaction and incentive mechanism of computing resources
- Measurement of computing resources and green computing
- Digital twin network for CNC
- Security for computing/cloud and network convergence

Submission Instructions

All submitted manuscripts must be written in English and must not be under consideration elsewhere for publication. Guidelines for authors are available at <http://www.jzus.zju.edu.cn/manuscript.php>. Either Word or LaTeX format is acceptable. When Word is used, the layout of the text should be in single column, 1.5 lines spacing, 10.5 pt font size, and Times New Roman font. A template is available at http://www.jzus.zju.edu.cn/download/FITEE_LaTeX_template.zip. Manuscripts should be submitted via <http://www.editorialmanager.com/zusc/> under the article type “S.I. - CNC”.

Introduction to *FITEE*

FITEE is a peer-reviewed journal launched by the Chinese Academy of Engineering (CAE) and Zhejiang University, co-published by Zhejiang University Press and Springer. It is indexed by SCI-E (IF=2.526), Ei Compendex, Scopus, DBLP, etc. *FITEE* aims to publish the latest implementation of applications, principles, and algorithms in the broad areas of Electrical and Electronic Engineering.

Important Dates

Manuscript submission by Mar. 1, 2023

Acceptance notification by May 31, 2023

Publication date: July/August, 2023 (online first once accepted)

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