

Call for Papers

JCN SPECIAL ISSUE ON

FOG NETWORKS

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Fog computing as an extension of cloud computing is able to deploy data storage, computing and communication, control and management along the cloud to things continuum. From a systematic perspective, fog networks provide a distributed computing system with a hierarchical topology. Fog networks aim at meeting stringent latency requirements, reducing power consumption of end devices, providing real-time data processing and control with localized computing resources, and decreasing the burden of backhaul traffic to centralized data centers. However, in the era of fog computing and networks, we need to rethink about end-to-end network architecture, fog-enabled service management mechanisms, computing offloading and task allocation among fog-cloud or fog-fog nodes, context-aware computing and communication tradeoff analysis, fogonomics and operational models, and scalability and security issues. The objective of this special issue is to solicit original contributions that demonstrate and explore current advances in various aspects of fog computing and networks, including but not limited to:

- ✓ Hierarchical fog network architectures
- ✓ Flexible service deployment and management in fog networks
- ✓ Fog-cloud interactions and enabling protocols
- ✓ Distributed data processing in fog-enabled services
- ✓ Algorithms for computing offloading, delay-power tradeoff analysis, task allocation in fog-enabled networks
- ✓ Fog-enabled applications in vertical industries, such as Fog-RAN, Fog-IoT, Fog-based vehicular networks
- ✓ Security and privacy issues in fog networks
- ✓ Fogonomics and operational models
- ✓ Fog-enabled IoT and Business Process Management (BPM)
- ✓ Trials and experiments of fog nodes, networks and services

Continuing JCN's tradition of fast turnaround together with full peer reviews, a tentative schedule is set as follows:

November 30, 2017	Electronic manuscript (.ps or .pdf) submission to JCN website [An earlier note to editors with intent to submit will be appreciated.]
February 15, 2018	Reviews returned to authors. Papers will be either accepted, rejected, or returned to the authors with requests for changes
March 15, 2018	Final revised manuscript due
June 5, 2018	Special Issue published

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Electronic submissions should be made through <http://mc.manuscriptcentral.com/jcommnet>. Information for authors is available on the JCN web site, <http://www.jcn.or.kr>. The manuscript should be formatted in LaTeX file and uploaded in PDF version, and its length should be greater than 8 pages in double column. Please direct inquiries and intent to submit notifications to the Lead Guest Editor (email: yang.yang@wico.sh).

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