Special Issue

Software-Defined Wide Area Networking

Message from the Guest Editors

This Special Issue aims to collect strong contributions that present the latest studies, findings and leading developments on the following topics (which should be regarded as non-exhaustive):

- Software control of disaggregated optical systems;
- QoT in very-long-haul Terabit fiber networks;
- SDN-based wireless backbone and backhauling;
- SD-WAN and overlay enterprise networking;
- Distributed application scalability and edge computing;
- SDN for satellite communications and networking;
- Network monitoring;
- Network data analytics;
- Standardization of controller interfaces for the transport network;
- Southbound interface protocols;
- Multidomain WANs and hierarchical SDN architectures;
- SDN controller performance;
- SDN security issues;
- Network abstraction and YANG modeling;
- WAN reliability and resilience;
- WAN function virtualization;
- Simulation environment for design, prototyping and testing;
- AI-/ML-based predictive maintenance;
- Machine learning for traffic prediction;
- WAN reliability and resilience;
- Novel applications exploiting the TelcoCloud infrastructure.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

I would like to introduce the new, online, and open access journal *Telecom*. The purpose of *Telecom* is to publish high-quality research papers as well as review articles that address recent advances in communications technology. We invite researchers to contribute original papers describing applications and experiences in emerging trends of all fields of telecommunications engineering. *Telecom* also welcomes Special Issue proposals from academics and industrial researchers. We aim to facilitate more collaboration between scientists and engineers around the world, such that they will produce their innovative ideas and submit their cutting-edge technologies to *Telecom*. We anticipate the receipt of your contributions to *Telecom*, and we welcome your comments and ideas on how to improve this journal.

Editor-in-Chief

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