2nd IEEE CONFERENCE ON NETWORK SOFTWARIZATION

Softwarization of Networks, Clouds, and Internet of Things

SEOUL, KOREA – June 6-10 2016
http://www.netsoft2016.org/

CALL FOR PAPERS

The IEEE International Conference on Network Softwarization (NetSoft 2016) will be held in beautiful Seoul, Korea. NetSoft 2016 builds further on the successful first edition, held in London, UK in April 2015 and is the flagship event established as part of the IEEE Software-Defined Networks (SDN) Initiative of the IEEE Future Directions Committee. This cross-societies' Initiative aims at creating the conditions for a pre-industrial exploitation and adoption of SDN/NFV paradigms in Telecommunications and ICT ecosystems, through a worldwide cooperation of leading technical experts. In particular, the vision of the IEEE SDN Initiative is that SDN and NFV are part of a wider systemic trend, called Network Softwarization, impacting both network and service platforms. In fact, the exploitation of high levels of automation, increased flexibility and programmability allows reinventing future network and cloud architectures, accelerating service deployment and facilitating infrastructure management. NetSoft is the primary IEEE forum for publication and technical exchange of the latest research and innovation results in this challenging area.

TOPICS OF INTEREST

Authors are invited to submit papers that fall into the area of software-defined and virtualized infrastructures.
Topics of interest include, but are not limited to, the following:

- APIs, protocols and languages for programmable networks and SDI (Software-Defined Infrastructures)
- Abstractions and Virtualization of resources, services and functions in SDN and NFV
- Resource management and Orchestration for SDN/NFV-based systems
- Modeling, representation, composition algorithms, and deployment for Service Function Chains
- Efficient network and service monitoring for SDN/NFV
- Transition strategies from existing networks to SDN/NFV
- Management of federated SDN/NFV infrastructures
- Energy efficient and green SDI
- Traffic Engineering and QoS/QoE in SDN/NFV
- Interoperability of SDI with Legacy Infrastructures
- Centralized vs Distributed control of SDN/NFV-based systems
- Policy-based management in SDN/NFV

- Network Softwarization for 5G
- Softwarized edge cloud infrastructures
- Softwarized platforms for Internet-of-Things (IoT)
- SDN switch/router architectures/designs
- Softwarized networks for Big Data applications
- Software-defined optical transport networks
- Debugging and introspection of software-defined virtualized systems
- Availability and resilience of virtualized software-defined systems
- Verification/Auditing tools for softwarized systems
- Experience reports from experimental testbeds and deployments
- Mobility/Security/Safety support
- New service models and paradigms enabled by Softwarization
- Socio-economic impact and regulatory implications for Softwarization

PAPER SUBMISSION

Authors are invited to submit only original papers (written in English) not published or submitted for publication elsewhere. Papers should be in IEEE 2-column US-Letter style using IEEE Conference templates, found at: *http://www.ieee.org/conferences_events/conferences/publishing/templates.html*
and submitted in PDF format via JEMS at: *https://jems.sbc.org.br/netsoft2016*
Papers can be of two types: full (up to 8 pages) or short (up to 4 pages). Papers exceeding these limits, multiple submissions, and self-plagiarized papers will be rejected without further review. All submitted papers will be subject to a peer-review process. The accepted papers will be published in IEEE Xplore, provided that the authors do present their paper at the conference. Note: authors of the best five papers will be invited to submit extended versions of their papers to a fast-track reviewed Wiley's International Journal of Network Management (IJNM).

IMPORTANT DATES

- Paper submission: December 16, 2015 (final)
- Notification of acceptance: January 31, 2016
- Final camera ready papers: March 15, 2016
- NetSoft 2016 conference: June 6-10, 2016

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