3rd IEEE International Conference on Network Softwarization

SOFTWARIZATION SUSTAINING A HYPER-CONNECTED WORLD: EN ROUTE TO 5G

3-7 JULY 2017, BOLOGNA, ITALY

http://sites.ieee.org/netsoft—CALL FOR PAPERS

The 3rd IEEE International Conference on Network Softwarization (NetSoft 2017) will be held July 3–7, 2017 at the University of Bologna in Bologna, Italy. IEEE NetSoft is the flagship conference of the IEEE SDN Initiative which aims to address "Softwarization" of networks and systemic trends concerning the convergence of Cloud Computing, Software-Defined Networks, and Network Function Virtualization.

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:

- SDN and NFV as enabling technologies for 5G
- From Cloud Computing to Edge-Fog Computing
- 5G Functional Decomposition and Infrastructure slicing
- 5G sustainable ecosystems: IoT, Industry 4.0, Pervasive Robotics, Self-driving vehicles, Tactile Internet, Immersive Communications, Artificial Intelligence applications
- Software Defined infrastructures for Public Protection and Disaster Relief (PPDR) network services
- Service Function Chaining for NFV: Modeling, composition algorithms, deployment
- Intent-based interfacing for NFV
- SDN/NFV Network & Service Orchestration and Management
- Management of federated SDN/NFV infrastructure and frameworks
- Real time operations and efficient network/service monitoring in SDN/NFV
- Performance and scalability issues in NFV implementation scenarios
- Traffic Engineering and QoS/QoE in SDN/NFV
- APIs, protocols and languages for programmable networks and Software-Defined Infrastructure
- SDN switch/router architectures/designs
- SDN/NFV issues and opportunities for security, trust and privacy
- Experience reports from experimental testbeds and deployment
- Softwarized platforms for Internet-of-Things (IoT)
- New value chains and business models

SCOPE

The telecommunications landscape will change radically in the next few years. Pervasive ultra-broadband, programmable networks, and cost reduction of IT systems are paving the way to new services and commoditization of telecommunications infrastructure while lowering entrance barriers for new players and giving rise to new value chains. While this results in considerable challenges for service providers, this transformation also brings unprecedented opportunities for the Digital Society and the Digital Economy related to emerging new services and applications. Examples include Tactile Internet of Things, Industry 4.0, Cloud Robotics, and Artificial Intelligence. 5G will both exploit and accelerate this transformation.

NetSoft 2017 aims to capture the theme of "Softwarization Sustaining a Hyper-connected World: en route to 5G" and serve as forum for researchers to discuss the latest advances in this area. NetSoft 2017 will feature technical paper, keynotes, tutorials, and demos and exhibits from world-leading experts representing operators, vendors, research institutes, open source projects, and academia.

PAPER SUBMISSION

Authors are invited to submit original contributions (written in English) in PDF format. Only original papers not published or submitted for publication elsewhere can be submitted. Papers can be of two types: full (up to 9 pages) or short (up to 5 pages) papers. Full Papers accepted as short Papers will be required to be reduced to 5-pages length. Papers should be in IEEE 2-column US-Letter style using IEEE Conference template (*http://www.ieee.org/conferences_events/conferences/publishing/templates.html*) and submitted in PDF format via JEMS at: *https://jems.sbc.org.br/home.cgi?c=2657*. 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. Accepted and presented papers will be published in the conference proceedings and submitted to IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

IMPORTANT DATES

December 5, 2016: Technical Papers deadline
December 15, 2016: Workshop Submission deadline
March 6, 2017: Paper submission acceptance notification
April 10, 2017: Full Conference Paper; Speaker registration
May 15, 2017: Workshop Speaker Registration
May 15, 2017: Camera Ready Papers
May 30, 2017: Early-Bird Registration

GENERAL CO-CHAIRS

Antonio Manzalini (Telecom Italia Mobile, Italy)
Roberto Verdone (University of Bologna, Italy)

STEERING COMMITTEE CHAIR

Prosper Chemouil (Orange Labs, France)

TPC CO-CHAIRS

Franco Callegati (University of Bologna, Italy)
Alexander Clemm (Huawei, USA)
Kohei Shiomoto (NTT Labs, Japan)