



Preliminary Call for Papers

<http://www.cnsm-conf.org/2017/>

The fourth International Workshop on Management of SDN and NFV Systems (ManSDN/NFV 2017) will be held in conjunction with the International Conference on Network and Service Management (CNSM 2017) in Tokyo, Japan, November 26-30, 2017. The workshop is endorsed by the IEEE Technical Committee on Network Operations and Management (CNOM).

Software Defined Networking (SDN) and Network Function Virtualization (NFV) are disruptive paradigms that are shaping the future networking landscape. They bring the promise of enabling flexible management solutions but they also introduce new challenges to the area of network management. Given their related nature, this workshop seeks to bring together researchers and industry partners to present and discuss interesting research results, ongoing work and experiences concerning either or both of these paradigms.

Topics of Interest

Authors are invited to submit papers that address the paradigms of SDN or NFV in the network management domain. Topics of interest include, but are not limited to, the following:

- Design of architectural building blocks for managing SDN and NFV systems
- SDN and NFV APIs and protocols
- Advances in measurement, management, security, accounting, mobility, and other functions using SDN or NFV systems
- Virtualization of resources, services and functions in SDN and NFV
- Management of telco cloud computing infrastructures
- Efficient deployment of Service Function Chains (SFCs)
- Management of federated SDN/NFV infrastructures
- Dynamic migration of network functions in NFV-based systems
- Efficient network and service monitoring for SDN or NFV
- Resource management for SDN or NFV-based systems
- Automated configurations and repair
- Integration of SDN and NFV solutions
- Distributed SDN/NFV control
- Abstractions for programmable network elements
- Policy management in SDN or NFV systems
- Support for bug free Software Defined Networks
- Computing and software as a network-centric service
- Information exchange between management layers, systems, and components
- Integrated resource management of network and services
- Virtualization of radio network functions
- Results from techno-economic, legal and regulatory studies driving the deployment of SDN and NFV technology
- Experience reports from management in experimental testbeds
- Transitioning existing networks to SDN
- Deployment of emerging network stacks with network virtualization
- Intent-based networking
- SDN/NFV management in 5G and wireless networks

We look forward to your submissions and to your participation to the workshop!

Paper Submission

Paper submissions must present original, unpublished research or experiences. Only original papers not published or submitted for publication elsewhere may be submitted. Each submission must be written in English, accompanied by a 75 to 200 words abstract that clearly outlines the scope and contributions of the paper. There is a length limitation of 6 pages (including title, abstract, all figures, tables, and references) for regular workshop papers, and 4 pages for short papers describing work in progress. Submissions must be in IEEE 2-column style. Self-plagiarized papers will be rejected without further review. The link to the submission site is <https://edas.info/newPaper.php?c=23478>.

Proceedings

Papers accepted for ManSDN/NFV 2017 will be published open access on the CNSM conference web site (with IFIP copyright) and in the IFIP Digital Library, and submitted to IEEE and ACM for inclusion in IEEE Xplore and the ACM Digital Library. IFIP and IEEE reserve the right to remove any paper from the IFIP database and IEEE Xplore if the paper is not presented at the workshop. An award will be presented to the best paper at the workshop.

Important dates

Paper submission: August 4, 2017

Acceptance: September 18, 2017

Camera-ready due: October 7, 2017

Workshop date: November 26, 2017

Workshop Co-Chairs

Eiji Takahashi
NEC, Japan

Jeroen Famaey
University of Antwerp – imec, Belgium

Noriaki Kamiyama
Fukuoka University, Japan

Weverton Cordeiro
UFRGS, Brazil

Steering Committee

Marinos Charalambides
University College London, UK

Filip De Turck
Ghent University – imec, Belgium

Dorgival Guedes
UFMG, Brazil

Toshio Tonouchi
NEC, Japan