Call for Papers

2017 IEEE International Workshop on
Multi-Provider Network Slicing and Virtualization (MPNSV 2017)
(website: http://sites.ieee.org/netsoft/workshops/)

in conjunction with the 3rd IEEE Conference on Network Softwarization (NetSoft 2017)

July 3-7, 2017 Bologna, Italy

The IEEE International Workshop on Multi-Provider Network Slicing and Virtualization (MPNSV'17) will be held on July 3-7, 2017 in Bologna, Italy along with the 3rd IEEE International Conference on Network Softwarization (NetSoft 2017, sites.ieee.org/netsoft). Network Service Providers today are limited in maximizing usage efficiency of their resources and limited in revenue generation capability from rigid service offerings which often take up to 90 days to provision. Market fragmentation has resulted in a multitude of network operators each focused on different countries and regions. This makes it difficult to create infrastructure services spanning multiple countries, such as virtual connectivity or compute resources, as no single operator has a footprint everywhere.

The Network "Softwarization" through Software Defined Network (SDN) and Network Function Virtualization (NFV) aims at providing a framework for contracting, invoking and settling for the wholesale consumption of resources and virtual network services which can be provisioned in less than 90 minutes and rapidly invoked. This will enable network operators, applications providers and other stakeholders in the 5G supply chain to deliver new service value for 5G customers and at the same creating and enhancing revenue-generating potential for 5G providers, third party verticals and others in the supply chain while extending their footprint through cooperation and co-competition with other providers. This will allow end-to-end network and service elements to be jointly orchestrated in multi-vendor, heterogeneous technology and resource environments.

Topics of Interest:

The MPNSV'17 solicits original contributions that collectively provide a comprehensive picture of recent advances in multi-domain network softwarization, including associated platforms, technologies, applications, and methods. The MPNSV'17 workshop aims to capture the latest research and experiment on cross-domain orchestration of services over multiple administrations or over multi-domain single administrations. MPNSV'17 will feature technical paper, keynotes, tutorials, and demos and exhibits from world-leading experts representing operators, vendors, research institutes, open source projects, and academia.

We encourage submission of original technical contributions on, but not limited to, the following topics:

- Architecture for Multi-Domain SDN/NFV
- API definition and design for Multi-Domain SDN/NFV
- E2E multi-domain Network slicing
- Data model representation and abstraction of network and service
- Novel Control and Management Planes for Softwarized Networks
- Resources placement and allocation in a Multi-Domain environment
- Business model for cooperation and co-competition
- Federation, Alliance, Community … of providers
- Market place for cooperation and co-competition
- Service composition and negotiation across multi-domain
- Multi-domain monitoring and SLA assurance
- Testbed and experiments of Multi-Domain SDN/NFV cooperation
- Networking Software Standardization: ETSI NFV, IETF, ITU-T, IEEE, 3GPPP, others

- Proof of concepts and performance evaluation
- Best Practice, Deployments and Experience Reports

Paper Submission Guideline:
Authors are invited to submit only original papers (written in English) not published or submitted for publication elsewhere. Papers can be up to 6 pages (long format) or 4 pages (short format). Papers should be in IEEE 2-column US-Letter style using IEEE Conference templates and submitted in PDF format via JEMS at: https://jems.sbc.org.br/. 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 the MPNSV Workshop 2017 Proceedings and appear in IEEE Xplore®.

Important Dates:
- Paper registration: March 20, 2017 (Firm deadline)
- Paper Submission: March 27, 2017 (Firm deadline)
- Notification of Acceptance: April 25, 2017
- Camera Ready Papers: May 8, 2017

Workshop Co-Chairs
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