IEEE Netsoft 2018 :: Workshop on Advances in Slicing for Softwarized Infrastructures (S4SI)

The current industry trend of convergence between computing and networking eco-systems highlights that computing, storage, and connectivity services, as well as any other present and future application instances, will be deployed in the form of virtualized assets within a software-defined infrastructure running on top of general-purpose processing and communication hardware. All of these will be managed and made available under the cloud "As A Service" paradigm. One of the current trends in this space is the concept of Slicing. This has drawn much attention from many people interested in this important and developing area.

The S4SI workshop addresses both the advances and challenges related to Slicing in Softwarized Infrastructures for faster and improved deployment of services in current and future 5G environments.

The advances and challenges are expected to be multiple, and there are clearly many open questions that need to be addressed, including:

- What are the abstractions and models needed to endure slicing is deployable in networks;
- What are the end-to-end issues that need to be addressed to allow slicing everywhere;
- How do the existing technologies of computing, networking, and storage, become elements of a slice, and how are they managed in this context;
- Is it better to adapt existing components to support slicing, or is it better to design new ones.

S4SI aims at providing an international forum for researchers and practitioners from academia, industry, network operators, and service providers to discuss and address the challenges deriving from such emerging scenario where systems, processes, and workflows used in both computing and communications domains are converging. The workshop welcomes contributions from both computing and network-oriented research communities, with the aim of facilitating discussion, cross-fertilization and exchange of ideas and practices, and successfully promote innovative solutions toward a real use of slices. Contributions that discuss lessons learnt and best practices, describe practical Slicing deployment and implementation experiences, and demonstrate innovative Slicing use-cases are especially encouraged for presentation and publication.

We are interested in papers that cover any of the following topics:

- Concept and Modelling of Slices
- Creation and termination of Slices
- Impact of slicing on 5G networks
- Cross-domain requirements and facilities for Slicing
- Issues in adapting existing systems to support Slicing
- End-to-end Slicing

- Management of slices
- Allocation, deallocation and elasticity of Slices
- QoS / QoE in the context of Slicing
- Monitoring systems for Slicing
- Analytics and big data processing for Slicing

Important Dates

- Workshop Abstract Registration: 9 March, 2018
- Workshop Paper Submission: 16 March, 2018
- Notification of Acceptance: 6 April, 2018
- Camera-ready Submission: 20 April, 2018

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 are up to 9 pages and should be in IEEE 2-column US-Letter style using IEEE Conference template (see http://www.ieee.org/conferences_events/conferences/publishing/templates.html) and submitted in PDF format via JEMS at https://submissoes.sbc.org.br/home.cgi?c=3007

S4SI TPC Chairs

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