Call For Papers & Participation

**5-th International Workshop on Elastic Networks Design and Optimisation
(ELASTICNETS 2018 - València)**

June 21-22, 2018

ETSI de Telecomunicación de la Universitat Politécnica de Valencia.
Camino de vera, s/n. Salón de Grados, 1st floor, Building 4D
Universitat Politècnica de València,
Valencia, Spain
https://elasticnetworks.org/5th-workshop

ABOUT

The 5th International Workshop on Elastic Networks Design and Optimisation
(ELASTICNETS 2018 - Universitat Politècnica de Valencia) is an open forum for
discussion of research ideas about engineering of smart elastic networks capable of
driving a future world strongly dependant on fog and cloud computing. The workshop is
open, free and it does not aim to be a forum of publication but a melting pot of research
expertise for the creation of new networking paradigms.

KEYNOTE TALKS

- **Cloud QoS auditing**
  Mauricio Naldi - U. Roma Tor Vergata
- **The evolution of conventional Elastic Optical Networks (EONs) towards
  Spatially-Spectrally Flexible Optical Networks (SS-FONs)**
  Ioannis Tomkos (Athens Information Technology Institute / UC3M chair of
  excellence)
- **Internet of Things for Smart Cities**
  Jaume Lloret, Universitat Politècnica de València

SCOPE FOR PAPERS

The focus of this edition is set on the convergence of networks and computing. As
networks and computing converge new planning problems need to be solved by network
engineers. This convergence affects all layers of networking, from the optical layer -
demanding programmability and intelligence to provision ultra-broadband capacity at
any network edge while keeping maximum multiplexing ratios in the core-, through the
radio access layer - where even the RF signal processing itself is pushed into the network-
to the application layer - where code has become mobile, the classic concept of server is
dead, and cloud and fog computing need to coexist to deliver services unimaginable a few
years ago-. The Elastic Networks research network organises this series of workshops for
the discussion and exploration of all the new paradigms created by this convergence and
describes the results in terms of new methods for performance evaluation, planning tools
and control schemes at the optical, radio and upper layers.

Topics of relevance include but are not limited to:

· Elastic Optical Networks (EON) and Space Division Multiplexing

·	New Control Plane Architectures, Planning and Optimisation with focus on SDN/NFV
·	Dynamically Reconfigurable Access and Metro Networks
·	Wireless and wired Network Dependability
·	IoT, Fog and Cloud Computing Orchestration and Planning
·	Mobile Edge Computing
·	Tactile Internet
·	Mathematical Techniques for Network Planning and Optimisation Accounting for Latency and Reliability
·	5G and beyond-5G technologies enabling fog2cloud
·	HetNets: Small Cell Planning and Optimisation
·	Opportunistic resource sharing
·	Network Orchestration and Management
·	Energy Efficiency in Network Design
·	Cybersecurity in hyper-connected networking

Contributions of original unpublished work should be submitted in IEEE format (max. 4 pages in both MS Word and PDF format) to papers@elasticnetworks.org. Please write ELASTICNETWORKS in the subject line when submitting your contribution.
Accepted papers will be printed and distributed to the audience as notes (no formal publication). Each author will have 20 minutes to present her/his work. There will be no official conference proceedings in order to facilitate the presentation on-going work and foster collaboration on ideas.

Important Dates:
Authors are cordially encouraged to submit before June 10, 2018.
Authors will be notified of acceptance/rejection by June 12, 2018.
Participants and authors must register at https://elasticnetworks.org/5th-workshop before June 18, 2018.
Registration is free (no material or food is supplied).
Program Schedule: June 21, 14:00-19:00: Tutorials - June 22: 9:30-13:30: Research Papers

Organisers:
The workshop is organised by the Elastic Network consortium, a thematic network focused on the technological challenge of enabling a hyperconnected world.

Co-Chairs:
Vicente Casares, Universitat Politècnica de València
D. Larrabeiti, J.A. Hernandez, U. Carlos III de Madrid