

**IEEE International Workshop on Computer Aided Modeling and Design of Communication
Links and Networks (CAMAD)
<http://camad2020.ieee-camad.org/>**

CALL FOR PAPERS

Special Session on “Network and Software Defined Architectures in Dynamic Environments”

Scope

Over the years, software has become the core value provider in the telecommunications industry. Boosted by scientific breakthrough, continuous innovation and stringent requirements for new services, network softwarization is currently transforming telecommunications and networking industry, and is bringing several opportunities, while raising new challenges, from both conceptual and operational perspectives. This Special Session aims to draw together information systems, practitioners and experts in the areas of networking and computing with the aim of proposing solutions in which paradigms such as SDN/NFV, MCC/MFC/MEC can be combined to improve the performance of dynamic networking environments.

Topics of Interest

In this Special Session, we welcome submissions of papers presenting original work on networking dynamic environments where SDN/NFV, MCC/MFC/MEC can be exploited as enablers. Specifically, we encourage researchers and industry experts to submit original contributions in the following major areas (indicative list, other related topics will also be considered):

- Adaptive content distribution in on-demand services.
- Adaptive application distribution.
- Application of machine learning and big data analytics to manage to simplify deployment and operation of SDN/NFV networks.
- Internet of Things (IoT), M2M, D2D, MTC.
- Machine-Learning for Networking in dynamic environments.
- Mobile big data and network data analytics.
- Mobile Edge and Fog Computing Systems.
- Mobile Crowd Sensing.
- MCC-, MEC-, SDN-, NFV-based network services.
- Network management at the edge for low-latency services.
- Network/service orchestration and management in dynamic scenarios.
- Performance, interoperability, and scalability challenges/issues in dynamic environments.
- SDN/NFV-based network deployment and optimization in dynamic environments.
- SDN and virtualization techniques for IoT networks.
- SDN-based Industrial Internet of Things (IIoT).
- Security and privacy issues in virtualized dynamic environments.
- Security and privacy in the cloud and fog/edge infrastructure, services and storage.
- Service Function Chaining and Virtual Network Embedding in dynamic environments.
- Softwarized cloud, fog and edge infrastructures.
- Quality of service and traffic engineering in SDN/NFV networks.

Important Dates

Paper submission deadline	May 20, 2020
Paper acceptance notification	July 05, 2020
Camera-ready paper	July 31, 2020
Conference date	September 14-16, 2020

Paper Submissions Guidelines

Prospective authors are invited to submit a full paper of not more than six (6) IEEE style pages including results, figures and references. Papers should be submitted via EDAS. Papers submitted to the conference, must describe unpublished work that has not been submitted for publication elsewhere.

All submitted papers will be reviewed by at least three TPC members, while submission implies that at least one of the authors will register and present the paper at the conference. Electronic submission will be carried out through the EDAS web site at the following link: <https://edas.info/newPaper.php?c=27371&track=101986>

All accepted papers will be included in the conference proceedings and IEEE digital library (<http://ieeexplore.ieee.org/>).

Special Session Organizers

- Javier Berrocal, *University of Extremadura, Spain*
- Jaime Galán-Jiménez, *University of Extremadura, Spain*