

## Call for Contributions for

### Submission:

1. **Inform the Chair:** with the Title of your Contribution

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICN+2019+Special>

Please select Track Preference as **5GMOONS**

### Special track

## 5GMOONS: Management and Orchestration of Resources in 5G Networks using SDN and NFV

### Chairs and Coordinators

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along with

**ICN 2019**, The Eighteenth International Conference on Networks

March 24, 2019 to March 28, 2019 - Valencia, Spain

<https://www.iaria.org/conferences2019/ICN19.html>

The increasing consumption of multimedia services and the demand of high quality services from customers poses challenges to service providers and mobile operators in terms of control and management of network resources. Driven by cutting-edge technologies such as Software Defined Networking (SDN), Network Function Virtualization (NFV), Cloud/Edge Computing, the next Telecommunication Systems landscape is expected to change radically in the next few years. Softwarization and Virtualization using the above technologies are expected to fulfill a gap in the control and management of network resources through programmable 5G networks.

The main objective of this track is to explore the landscape of softwarization technologies to accelerate and exploit the huge next generation network transformation with embedded intelligent techniques leveraging NFV and SDN. The aim is find better solutions that allow for proactive management of next generation softwarized network infrastructures.

**Ideally topics should connect** to the following, but not limited to:

- Quality of Service/Experience (QoS/QoE) issues in next generation 5G networks
- Novel approaches to next generation network management in SDN/NFV based 5G networks
- Network slicing and slice management in 5G Networks
- Centralized vs Distributed control, management & orchestration in 5G networks
- Abstractions and virtualization of resources, services, and functions
- Energy efficient and green software-defined infrastructures (SDI)
- Routing mechanisms, real-time operations and efficient network/service monitoring in SDN/NFV
- Lifecycle management of network software and APIs, protocols, and languages for programmable networks
- Networks policy-based management and autonomic Management in next generation networks
- New Business models and AI techniques to support network service automation
- Efficient network/service monitoring and mobility management in software defined 5G networks

## Important Datelines

Inform the Chair: As soon as you decided to contribute  
Submission: Jan 29, 2019  
Notification: Feb 18, 2019  
Registration: Feb 27, 2019  
Camera-ready: Feb 27, 2019

## Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Presentations: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Demos: two pages [posted on [www.iaia.org](http://www.iaia.org)]

## Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

## Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

## Paper Submission

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## Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

## Contacts

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