Call for Contributions

Note: Onsite and Online Options
In order to accommodate a large number of situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person, but are aware that special circumstances are best handled by having flexible options.

1. Inform the Chair: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICN+2020+Special
Please select Track Preference as **MISCOM**

Special track

MISCOM: Enriching Fog and Edge Computing towards Mist Computing in Next-Generation Networks

Chair and Coordinator

Elisa Rojas, PhD, University of Alcala, Spain
elisa.rojas@uah.es

along with

ICN 2020, Nineteenth International Conference on Networks
https://www.iaria.org/conferences2020/ICN20.html
February 23, 2020 to February 27, 2020 - Lisbon, Portugal

The fog and edge computing paradigms are key components of next-generation network architectures, such as the ones envisioned for 5G. However, the full integration of the Internet of Things (IoT) in these paradigms, where any piece of hardware (micro-controllers and sensors) can participate as part of the network intelligence is still work under progress due to several limitations. For example, SDN and NFV technologies are not still fully applicable to sensors as they are usually constrained in memory and power. Therefore, information from these devices is usually conveyed through gateways.

In this special track, we foresee contributions towards the evolution of "mist computing" in any aspect of it: hardware, software and networking.

Topics include, but not limited to:

- SDN and NFV: Limitations, applications and extensions
- New architectural designs for fog and edge computing
- IoT use cases for 5G networks
- Routing and communication protocols for IoT
- Hardware design for IoT in fog and Edge computing
- Programmability and softwarization of IoT
- Security in SDN, NFV and IoT
- Network tools for SDN, NFV and IoT

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.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Important Datelines
Inform the Chair: As soon as you decide to contribute
Submission: January 5, 2020
Notification: January 24, 2020
Registration: February 1, 2020
Camera ready: February 1, 2020
Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.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
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICN+2020+Special
Please select Track Preference as **MISCOM**

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.iaria.org/registration.html

Contact
Chair:
Elisa Rojas: elisa.rojas@uah.es
Logistics: steve@iaria.org