

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 **F/C-COMSYS**

Special track

F/C-COMSYS: Fog/Cloud Computing Systems

Chairs and Organizers

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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>

With the advent of the Internet of Things (IoT), we witness a rapid growth in the number of connected devices. These IoT devices may deal with many real-time delay-sensitive applications such as gaming, video streaming, disaster management, healthcare services, and traffic alert. However, most of the IoT devices are resource-constrained ones and cannot provide computing and storage resources to the applications. Cloud computing can be used to cope with such requirements. But, cloud infrastructure alone is not efficient solution because of its geographically centralized in nature. Fog computing bridges the gap between the IoT devices and the cloud by bringing computing, storage, networking, and data management closer to the data source. Thus, Fog computing can complement and enhance the cloud to serve IoT applications.

A mixed fog/cloud systems enable a promising solution for the ever growing IoT applications. F/C-COMSYS, a special track of ICN 2019, invites original contributions from both academia and industry to share their latest advancements in the Fog/Cloud computing domain.

The topics of interest include, but not limited to:

- Novel Architectures for Fog/Cloud Systems
- Fog-based platforms for IoT application domains (Smart Home, Healthcare, Smart Cities, Agriculture, and Smart Grids)
- Resource Allocation in Fog/Cloud Computing Systems
- Novel IoT applications
- 5G and Fog Computing
- Green Computing and Communications
- Fault-tolerance in Fog Computing
- Mobility Management
- Data and Service Placement
- Performance Evaluation and Analysis of Fog-based Systems

- Quality of Service or Quality of Experience in the Fog
- Virtualization Technologies for Fog Computing
- Virtual Machine Placement and Migration
- Fog-based Data Analytics
- Adaptive Load Balancing Policies
- Real-time Analytics Architecture for IoT
- Challenges, Opportunities, and Standards in Fog/Cloud Systems

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

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

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]

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+2019+Special>

Please select Track Preference as **S/F-COMSYS**

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>

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