CALL FOR PAPERS

ICIN 2019

22nd Innovation in Clouds, Internet and Networks
February 19 – 21, 2019
Paris, France
www.icin-conference.org

The ICIN conference, established in 1989 and praised for the richness of its social networking, is also recognized for its continuous adaptation to emerging technical trends. 2019 will be the year of first large-scale 5G trials world-wide, targeting early network introduction, preliminary experimentation of network intelligence and orchestration solutions, and moving towards commercial large scale introduction in the 2020 horizon.

At **ICIN 2019,** the driving theme is **"Network AI and Zero-Touch Communication Systems"**: we focus on the challenges related to the integration of analytics and orchestration solutions, enablers and methods, into automatic and autonomic service delivery and network management and operations. The conference will foster presentation of novel approaches and technical solutions, as well as experimental validation and proof of concepts. In addition to this edition theme, ICIN 2019 will keep a wide range of topics of interest within the fields of Cloud communications and Internet-working as listed below.

Topics of interest

➢ Enablers and use cases for 5G 'zero-touch' service delivery
➢ Network Artificial Intelligence, Machine Learning and Reasoning
➢ Network Data Analytics, Anomaly Detection, Feature Extraction
➢ Network automation and orchestration architectures and protocols
➢ Societal and Legal Aspects of Network Automation
➢ Autonomic, Cognitive and Intent-based Networking and Management
➢ 5G Network Architecture, Services and Protocols
➢ 5G Control and Management Architecture
➢ 5G Functional Decomposition and Composition
➢ Advanced 5G Infrastructure Slicing and Radio Slicing
➢ Scalability and multi-tenancy in 5G Networks and 5G network slicing
➢ Network Programmability and Softwarization architectures and systems
➢ Protocols for Ultra-Low Latency and Ultra-High Reliability
➢ Fog, Edge and Multi-Access Computing, IoT and Vertical Industries
➢ Software Defined Networking and High Availability
➢ Network Function Virtualization (NFV) and Orchestration
➢ Service Function Chaining, Function Placement and Network Embedding
➢ Big data and Fast Data Processing and Management
➢ CDN Architectures and Network Cache Allocation Schemes
➢ Advanced multimedia and real-time communications, QoS/QoE design
➢ Performance, Optimization and Resource Dimensioning
➢ Security, Trust and Privacy
➢ Use of Blockchains in 5G Networking and Servicing
➢ Measurement, Monitoring and Telemetry
➢ Testbeds, Open source efforts and open standards.

Submission Guidelines

Submissions should be original, unpublished work, not currently under review by other conferences or journals. Papers submitted to ICIN 2019 will be assessed based on originality, technical soundness, clarity and interest to a wide audience.

Only PDF files will be accepted for the review process and all submissions must be done electronically through EDAS: https://edas.info/N24828

All submissions must be written in English, with minimum of 10-point font and must use standard IEEE two-column conference templates that can be downloaded from: http://tinyurl.com/3wax5q

Papers can be of two types: Full papers or Short papers, up to 8 pages and 5 pages respectively, including tables, figures and references. Full papers accepted as short papers will be required to be reduced to 5-pages length.

Demo papers of length of 3 pages are also solicited.

At least one author is required to register, at the full rate, to present accepted papers at the conference and for the paper to appear in the proceedings.

The technical program of ICIN 2019 will be completed by Tutorials and Workshops.

Instructions and additional information can be found on the conference web site at: www.icin-conference.org

Important Dates

- **Paper Submission Due:** ~~October 8, 2018~~
  Extended to: **October 22, 2018 (Firm deadline)**
- **Paper Review Feedback:** November 30, 2018
- **Final Papers Due:** January 10, 2019
- **Conference:** February 19 – 21, 2019

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