CALL FOR PAPERS

https://www.icin-conference.org/

24th Conference on Innovation in Clouds, Internet and Networks
March 1 - 4, 2021

The ICIN conference, established in 1989 and praised for the high quality of its technical program and richness of its social networking, is also recognized for its continuous adaptation to emerging technical trends. For 2021 ICIN is focussing on the melding of network and computing services that is clearly demonstrated by the increasing softwarization of the network services in the core and the access networks, the rise of computing in the network and the growth of cognition in networking for management and control, as well as for value added services at the edge and in the data center. Several innovations are impacting the ongoing transformations toward the network of the future and the evolution of cloud services. More and more the network fabric itself emcompasses functionality usually associated with computing as increased intelligence and cognition are necessary to address emerging requirements of distributed services, automation and network reliability. At the same time, more and more, the cloud is extending to the edge adding a number of heterogeneous networked subsystems to the Internet with a variety of requirements that further highlight the need for novel architectures, e.g., IoT systems, augmented and virtual reality and service delivery platforms.

In this scenario and considering the many challenges that the aforementioned paradigms and technologies will bring, the theme for ICIN 2021 is:

"**Services everywhere: melding networking and computing in an intelligent cloud-edge continuum**"

Topics of interest

- Edge-Cloud continuum and softwarized networks evolution for verticals
  * Vertical industries and digital twins
  * Automotive and vehicular networking, including vehicular cloud services
  * Tactile Internet and precision networking
  * Functional decomposition and orchestration, service chaining
  * Protocols for ultra-low latency and ultra-high reliability
  * Fog, edge and multi-access computing and networking
  * Security, trust and privacy

- Enablers and services for wireless and mobile networks: real deployments and best practices
  * Network and service architecture, protocols, application-network layer interworking, and use cases for 5G and emerging networks
  * Service-Based Architecture (SBA) design applied to the control plane, data plane and management plane, considering as well network function exposure
  * Scalability and multi-tenancy in 5G and emerging networks
  * Green networking and efficient resource usage and service delivery
  * Security, trust and privacy management in large systems and smart environments

- Network automation and orchestration architectures and protocols
  * Intent-based network management and cloud resource orchestration
  * Network programmability architectures and systems
  * Orchestration of distributed cloud and network resources in vertical markets
  * Network artificial intelligence, machine learning and reasoning
  * Network data analytics, anomaly detection, and feature extraction
  * Autonomic and cognitive networking
  * Security, societal and legal aspects of network automation

- Technologies for innovation in clouds, Internet and networks
  * SDN, NFV, service function chaining, function placement and network embedding
  * Use of Distributed Ledger Technologies in networking and network services
  * Advanced multimedia and real-time communications, QoE/QoS Assurance
  * Lightweight virtualization technologies, software and hardware acceleration
  * Energy-efficient software-defined infrastructures
  * Measurement, monitoring and telemetry
  * Open-source projects and open standards

Submission Guidelines

Submissions should be original, unpublished work, not currently under review by other conferences or journals. Papers submitted to ICIN 2021 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: http://edas.info/N27469
Technical papers can be of two types: full papers or short papers, up to 8 pages and 5 pages respectively, including tables, figures and references. Demo papers of length of 3 pages are also solicited.

The best papers presented at the conference will be invited to submit an extended version for fast-track review in the following journals:
  - IEEE Communications Magazine (Impact Factor: 10.356)
  - IEEE Transactions on Network Service and Management (Impact Factor: 4.682)
  - MDPI Sensors (Impact Factor: 3.031)

Important Dates

- **Paper Submission: October 8, 2020**
- **Paper Acceptance Notification: December 4, 2020**
- **Final Papers Due: January 15, 2020**

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