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The Nineteenth International Conference on Networks ICN 2020

February 23 - 27, 2020 - Lisbon, Portugal

<http://www.aria.org/conferences2020/ICN20.html>

Important deadlines:

Submission (full paper)	October 12, 2019
Notification	December 12, 2019
Registration	December 26, 2019
Camera ready	January 9, 2020

Tracks:

Communication

Communication theory; Communications switching and routing; Communications modeling; Communications security; Computer communications; Distributed communications; Signal processing in communications; Multimedia and multicast communications; Wireless communications (satellite, WLL, 4G, Ad Hoc, sensor networks); Vehicular communications

New Internet technologies

SDN, SDX, NFV; 4G/5G and advanced mobile Internet; Internet of X (everything, things, people, etc.); Internet, Virtualization and Cloud; Internet and Big Data; Sensing and sensor networks; Energy-aware networks; Content-oriented networking; Cellular cognitive networks; Future routing mechanisms

Networking

Next generation networks [NGN] principles; Storage area networks [SAN]; Access and home networks; High-speed networks; Optical networks; Peer-to-peer and overlay networking; Mobile networking and systems; MPLS-VPN, IPSec-VPN networks; Vehicular Networks; GRID networks, Cloud and Visualization; Broadband networks; Small cell networks; Sensing and sensor networks

Computation and networking

Cloud computing; Fog computing; Internet computing; Mobile computing; Ubiquitous computing; Real-time computing; Big data-based computing; Services computing and opportunistic computing; High Performance Computing (HPC); Fast data processing; Fast switching and routing protocols; Parallelization of algorithms and applications; Energy-efficient High Performance Computing

Networking metrics

Quality of service, service level agreement [QoS/SLA]; Reliability, availability, serviceability [RAS]; Traffic engineering, metering, monitoring; Voice over IP services; Performance evaluation, tools, simulation; Network, control and service architectures; Network signalling, pricing and billing; Network middleware; Telecommunication networks architectures; On-demand networks, utility computing architectures; Applications and case studies

Next generation networks (NGN) and network management

NGN protocol design and evaluation NGN Standard Activities [ITU, TMF, 3/4/5GPP, IETF, etc.]; NGN Device Instrumentation; Network Management, scheduling and policy; NGN policy-based control; Networks policy-based management; Management of autonomic networks and systems; Delay tolerant networks; Mobility management

Cognitive radio

Fundamentals; Cognitive radio and emerging technologies; Energy-aware, smart sensing and capacity-aware in advanced technologies; Mechanisms and protocols; Processing and devices; Measurement and management; Applications