

Important Dates**Paper Submission: May 15, 2018****Firm deadline: June 20, 2018**

Notification to authors: July 15, 2018

Camera Ready: September 15, 2018

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The **seventh** International Conference on Communications and Networking (ComNet'2018, IEEE Conference) is organized by MEDIATRON and SUP'COM and aims at bringing together ICT researchers from northern and southern countries to meet, to exchange ideas and expertise, and to initiate and strengthen cooperation on topics related to communications and networking. The conference positions itself as a platform to researchers and practitioners both from academia and industry to meet and share cutting-edge research and development in these fields.

ComNet'2018 will provide an excellent international forum for sharing knowledge and research results in theories, methodologies and applications in different topics related to *communications and networking*, in both *wired and wireless networks*, from a *theoretical as well a practical* point of view. Authors are solicited to contribute to this conference by submitting original articles that illustrate research results, projects, surveying works and industrial experiences that describe significant advances in the following areas, but not limited to:

Networking and Digital Technologies

Big Data in network design and operation
 Heterogeneous wireless networks design
 Internet of Things architecture and protocols
 IoT performance and network design
 Software Defined Networks (SDN)
 Network Functions Virtualization (NFV)
 Measurement and performance analysis
 Network-based applications
 Network operations and management
 Network protocols and wireless networks
 Network security (cyber-security)
 Cloud RAN
 Next generation internet
 Next generation web architectures
 Self-organizing networks (SON) protocols
 Small cells in 4G and 5G networks
 Vehicle-to-vehicle/roadside/internet networking
 Social networks
 Millimeter waves propagation and characterization for 5G
 Cognitive networking
 Delay tolerant networks

PHY Communications

Signal processing for communications
 Wireless communications
 Cross-layer design
 Cooperative networks
 Adaptive modulation and coding
 Multiple access techniques
 Cognitive radio
 Space-time coding
 Turbo-processing
 Network coding
 Wireless sensor networks
5 G Services and Architectures
 5G Architectures and platforms
 Service discovery and integration
 Service dynamic management
 Policies and models for deployment
 Supervision and control
 QoS management
 Security, Fault tolerance and safety
 Convergence, control and management
 Application services oriented networks
 Internet computing
 Mobile Cloud computing
 Virtualization and NFV
 Big Data
 Content management and delivery
 Internet of Things
 Disruptive innovative applications

Paper Submission

Authors are invited to submit papers, not exceeding 4000 words (8 pages using 10-point type) for the conference by **June 20, 2018** (for more details, visit <http://comnet.ieee.tn>). Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this conference. All accepted papers will be submitted for publication in IEEE Xplore. If you need any further information, please contact us at : comnet@ieee.tn