

Website: <http://comnet.ieee.tn>

#### Important Dates

**Paper Submission: May 15, 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 **May 15, 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](mailto:comnet@ieee.tn)