

# ComNet'2018

November 1st - 4th, 2018, Hammamet, Tunisia

## 7th International Conference on Communications and Networking

### Important Dates

**Paper Submission: May 15, 2018**

Notification to authors: July 15, 2018

Camera Ready: September 15, 2018

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### Organization Committee

Asma Ben Letaifa, Amel Haji, Olfah Ben Ahmed,  
Nihed Bahria, Maha Jebalia, Nouha Samet

The **seventh** International Conference on Communications and Networking (ComNet'2018) 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 as 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 [www.comnet.ieee](http://www.comnet.ieee)). 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 published in IEEE Xplore. . If you need any further information, please contact us at : [comnet@ieee.tn](mailto:comnet@ieee.tn)