IEEE ComNet 2020
March 25 - 28, 2020
Tunisia

The 8th IEEE International Conference on Communications and Networking, **IEEE ComNet'2020**, together with a 6G Global Connectivity Summit, is organized by MEDIATRON/SUP'COM and aims at bringing together ICT researchers from northern and southern countries to meet, and to exchange ideas and expertise on topics related to Artificial Intelligence (AI), Big Data, Machine Learning, Communications and Networking.

6G Global Connectivity Summit (1 day)

The 6G Global Connectivity Summit will focus on exploring and identifying key challenges towards Connectivity and potential AI-inspired applications calling for 6G. It will consist of high-profile invited speakers from leading research programs and initiatives around the world including research institutes, operators, manufacturers and leading academics.

Conference (2,5 days)

The conference will focus on advances in big data and artificial intelligence applied to networks in general (telecoms, energy, transport, finance, trade).

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:

Track1: 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 | SDN and 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 | Vehicle-to vehicle / roadside / internet networking | Social networks | Millimeter waves propagation and characterization for 5G | Cognitive networking

Track 2: 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

Track 3: 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

Accepted and presented papers will be submitted to IEEE Xplore for publication. Full details about the conference IEEE ComNet2020 are available at http://comnet.ieee.tn

Important Dates		Chairs
Extended deadline:	**October 10, 2019 (final)**	**Honorary Chair**
~~Paper submission:~~	~~September 9, 2019~~	**Mohamed-Slim Alouini**
		General Co-Chairs
Notification of Acceptance:	**December 10, 2019**	**Sami Tabbane & Hong-Chuan Yang**
		Program Co-Chairs
Camera ready Paper Submission:	**January 30, 2020**	**Mounir Frikha & Muhammad Zeeshan Shakir**
		Publication Co-Chairs
		Mohamed Siala & Zied Choukair