

The 12th IEEE International Conference on Communications and Networking, **ComNet'2025** (4 – 6 November) 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), Machine Learning and Data management applied to Cyber Security, Communications and Networking. 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:

<u>Track1: AI and big data for networks and digital communications</u>	<u>Track 2: AI and big data applied to cybersecurity</u>	<u>Track 3: Services and applications AI and big data</u>
Big Data Analytics for Wireless and Wired Network Design	Deep learning for secure fingerprint techniques	Impact of AI & Big Data technologies
Machine learning techniques for propagation modeling and wireless communications in 6G	Security and privacy issues	Delivering ai & big data for a smarter future
Big Data Intelligent Networking	Best practices and use cases	Deep learning for healthcare
Self Organizing Networks	Big Data, Analytics & Artificial Intelligence in Cybersecurity	Ethics on Big Data and AI
	System, Software and Security	Open data/Social impact of AI

Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Full details about the conference IEEE ComNet2025 are available at

<http://comnet.ieee.tn> Contact: comnet@ieee.tn

<i>Important Dates</i>	<i>Chairs</i>
<i>Paper submission:</i> 15/07/2025	<i>General Co-Chairs</i> Mounir Frikha & Sami Tabbane
<i>Notification of Acceptance:</i> 15/08/2025	<i>Program Chair</i> Zied Choukair
<i>Camera ready Paper Submission:</i> 30/08/2025	<i>Publication Chair</i> Mohamed Siala

Organizing Committee

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