Special Session on
Machine Learning Applications in Wireless Communications and Photonics

Gradually increasing high-definition video and audio content, mobile applications, and smart systems under the umbrella of the Internet of Things (IoT) create the need for higher data rates, reliable networks, and cost-effective systems. Innovative methods in future communication systems are rapidly becoming attractive. New multiplexing methods, massive MIMO structure, smart data prioritization systems, and hybrid communication modules are used to meet the data needs in the uplink and downlink directions. It is also important to reduce the cost of these systems. Research papers describing new approaches and research for fiber-optic and wireless communication systems and their applications are suitable for this session.

Topics of interest include, but are not limited to:

- Artificial Intelligence and Machine Learning Applications on Communication Systems
- Internet of Things (IoT) Applications
- Wireless Communications and Mobile Computing
- Communication and Information System Security
- Smart Grid Communications
- Signal Processing for Communications
- Cross-Layer Optimized Wireless Networks
- MIMO Systems
- Optical Communications
- High-speed, high spectral efficiency optical communication systems
- Optical switching technologies
- Energy efficiency in optical networks
- Optical network architecture, application, and services

Organizer(s):
Dr. Engin EYCEYURT
Nevsehir Haci Bektas Veli University
E-mail: engineyceyurt@nevsehir.edu.tr

Deadlines of the special session:

Full paper submission (maximum 6 pages):	**March 26, 2023**
Notification of acceptance:	**April 30, 2023**
Final submissions due:	**May 14, 2023**

All the instructions for paper submission are included at the conference website.
https://gpecom.org/2023/guidelines/