

WIRELESS ANALYTICS 2024

Forward

The First International Conference on Wireless and Telecommunications (WIRELESS ANALYTICS 2024), held on November 17-21, 2024 in Valencia, Spain, inaugurates a series of events dedicated to analyzing solutions and challenges concerning dedicated frameworks, architectures, applications, software/ and hardware, tools and apps, experimental systems, and lessons learned pertaining to the above desiderata.

Wireless systems and telecommunications systems are driven by the increasing integration of technologies and advancements in network connectivity and infrastructure.

The main target of the event is to provide analytics on the state of the art and tendencies considering several aspects related to technology, equipment, energy, processing, and manageability with a large spectrum of services:

- *Technology*: mmWave, IoT, 5G/6G, slicing, smart spectrum sensing, dynamic spectrum allocation, adaptive-energy, wireless powering, etc.
- *Equipment*: Drone-based services, self-vehicular systems, ultra-reliability and low-latency, low-powered devices, wearable devices, etc.
- *Energy and communication*: Energy, energy harvesting, energy storage, signal processing, cognitive communication and monitoring, antennas, etc.
- *Processing*: Big data, optimization, validation, scheduling, testbeds, emergency services, accuracy, resiliency, etc.
- *Manageability*: Reliability, optimization, provisioning, QoS.

We take here the opportunity to warmly thank all the members of the WIRELESS ANALYTICS 2024 technical program committee as well as the numerous reviewers. The creation of such a broad and high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and efforts to contribute to the WIRELESS ANALYTICS 2024. We truly believe that thanks to all these efforts, the final conference program consists of top quality contributions.

This event could also not have been a reality without the support of many individuals, organizations and sponsors. We also gratefully thank the members of the WIRELESS ANALYTICS 2024 organizing committee for their help in handling the logistics and for their work that is making this professional meeting a success.

We hope the WIRELESS ANALYTICS 2024 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in wireless systems and telecommunications systems research. We also hope that Valencia provided a pleasant environment during the conference and everyone saved some time for exploring this beautiful city

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