

1st International Conference on Networking Telecommunications, Biomedical Engineering and Applications (ICNTBA'19)



November 4 – 5, 2019, Boumerdes, Algeria



Important Dates

Submission Deadline: **August 15, 2019**
Notification of Acceptance: September 15, 2019
Camera Ready: September 30, 2019
Conference Dates: November 4-5, 2019



The first International Conference on Networking Telecommunications, Biomedical Engineering and Applications (ICNTBA'2019) will be held in the Faculty of Engineer Sciences, of the University M'Hamed Bougara of Boumerdes, Algeria, on **November 4 – 5, 2019**.

The Conference aims for presenting new advances and research results in the fields of Networks, Telecommunications, Computer Science, and Biomedical Engineering. The conference is expected to provide researchers, lecturers, engineers, and scientists around the world the opportunity to interact and present their latest advanced research. Authors are solicited to contribute to the conference by submitting articles that illustrate research results, projects, surveying works, and industrial experiences. Topics of interest will fall under one or more of the conference tracks, but are not limited to:

Track 1: Networks and Telecommunication Systems (NTS)

Chairs: Pr. Amar RAMDANE-CHERIF and Pr. Khalida GHANEM

- Wireless Communications
- Satellite and Space Communications
- Ad-hoc, Vehicular, Sensor and Mesh Networks
- Cognitive Radio Networks
- Wireless Multimedia Networks
- Smart grid, Smart City, Small Cell Networks
- Social Networks
- Green Wireless Networks
- 4G and 5G Communication Networks
- Optical Communication
- Molecular and Biological Communications
- Internet of Things and Machine-to-Machine Communications
- Wireless Network Security and Privacy
- Fault Tolerance and Reliability
- Antennas and Wave Propagation
- LTE, LTE-Advanced, LTE-pro, Wifi, and Wimax
- Cloud and Fog Computing
- Routing and Quality of Service

Track 2: Signal Processing and Biomedical Engineering (SPBE)

Chairs: Dr. Mohammed AMMAR and Dr. Khaled HARRAR

- Biomedical Signal Processing
- Medical Imaging
- Bioinformatics and Instrumentation
- Speech Processing
- Audio and Acoustic Signal
- 2D/3D Imaging
- Stereovision and Virtual Reality
- Pattern Recognition and Machine Learning
- Image Enhancement, Denoising, and Segmentation
- Filtering and Restoration
- Tracking and Real-time Imaging
- Video Processing
- Indexing and Retrieval
- Compression, Coding, and Watermarking
- Color and Multi-Spectral Processing
- Tele-Medicine
- E-Health Applications and Systems
- Biometrics
- Remote Sensing

Track 3: Computer Science and Applications (CSA)

Chairs: Dr. Med Amine RIAHLA and Dr. Abdelfetah HENTOUT

- Building, Modelling and optimization
- News Applications and Services
- Robotics
- Big Data
- Novel Hardware Architecture
- Performance of Hardware System
- Parallel Processing and Algorithm
- Real-time Processing
- Soc, Ultra-Fast Computer
- Android and Mobile Applications
- Artificial Intelligence and Deep learning
- Embedded Systems
- Drones Architectures
- Information and Communication Technology (ICT)
- Decision-Making
- Human-Environment Interaction.
- Remote Monitoring.
- Data Storage.
- Quality of Life (QoL)
- Acquisition and representation of data
- Energy Efficiency of Computer System
- Smart Card

Paper Submission

Authors are invited to submit full-length papers (8 pages max) written in English, and formatted using the **IEEE templates** provided. The papers should be submitted electronically in PDF format through the Easy-Chair system at:

<https://easychair.org/conferences/?conf=ICNTBA2019>

All papers will be double-blind peer-reviewed. Acceptance will be based on quality, relevance, originality, and presentation. All papers submitted to ICNTBA'19 conference must be previously unpublished and may not be considered for publication elsewhere.

More information on: <http://ICNTBA2019.univ-boumerdes.dz/>

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