

## Introduction

The 2015 International Conference on Advanced Communication Systems and Signal Processing (ICOSIP 2015) will be held in the beautiful city of Tlemcen, Algeria from 8-9 November 2015. This conference will feature a comprehensive technical program including four topics and a number of Tutorials. ICOSIP' 2015 will also include an exceptional expo program including keynote speakers, Industry Forum and Exhibition.

## Conference venue

The ICOSIP'15 will be held at the auditorium of Abou Bekr Belkaid University. Tlemcen is a town of northwestern Algeria, frontier with Morocco and close to sea (40 km). It enjoys a moderated Mediterranean climate and much diversified natural richnesses. Natural and arranged sites are very coveted by the tourists. First art town of Algeria, it preserves a significant number of Islamic monuments of high quality. The Great Mosque, which is the works of the Almoravids, offers a beautiful andalusian decoration of the 11th century. The Mosque of Sidi-Bel Hassan (1296) is a head of work of the city (today museum of the Islamic writings). The Mosques of Sidi Boumediène, Sidi Haloui, and Mansourah, built by the Merinids, are pure jewels of arabo-islamic architecture of Tlemcen, just as the Mechouar palace which goes back to Zianid dynasty (from the 13th to the 16th century) during which Tlemcen was the central Maghreb capital. This great richness of the islamic inheritance raises Tlemcen to the world capital of the Islamic culture for the year 2011.

## The conference is organized by:



Laboratoire de Recherche  
Informatique Tlemcen



## Topics

### Track 1: Electronic and Embedded Communication Systems

Advanced Technologies (Nano, Metamaterials, MEMS); Antenna, RF and Microwave devices; On-wafer wideband characterization and fabrication of advanced Silicon-on-Insulator MOSFETs and substrates for microwaves and millimeter-waves applications; Design, modeling, fabrication and measurement of active and passive microwave circuits; Improved ray-tracing tool including diffuse scattering; Electromagnetic modeling of body area channels; Antennas and antenna array technology; Computational electromagnetic based on integral equations; Wide-band characterization of electromagnetic properties of materials, including nanocomposites and meta-materials; Design of passive frequency-tunable devices based on novel materials and meta-materials; Modeling of tropospheric channel degradations on earth-space propagation; Modeling of Land-Mobile Satellite channel from measurements; Satellite Navigation and Positioning Systems; Bio-engineering Circuits and Systems; Circuits and Systems for RF and Wireless Communications; Embedded Systems and electronic integration; Optoelectronic Systems; RFID technologies; Others.

### Track 2: Communication systems

Intelligent Communication Systems; Transmission/Switching/Distribution technologies (ATM, SDH, TCP/IP, routers, DSL, cable modems, VoD, VoIP, WDM, etc.); Antenna systems and design; Channel modeling and propagation; Coding for wireless systems; Optical wireless communications; MIMO and Space Time Communications; OFDM and CDMA Communications Receivers; Performance Evaluation of Wide Area and Local Networks; Fiber optics and photonic switching; Dynamics and Capacity Expansion of communication Systems; Performance Analysis of Local Area Networks; Distributed Group Decision Support Systems; Configuring communication Systems with Reliability and Availability; Security, Privacy and Encryption in communication Systems; Impact of New Services (economic and organizational impact); Others.

### Track 3: Communications Networks and distributed systems

Computer networks, data communications; Network and Internet protocols and standards; Network/information security; Software and cognitive radio; Network architecture, testing, management, programming; Wireless ad hoc/sensor networks, mesh/virtual private networks; Parallel, systolic, distributed computing; Mobile computing; Advanced network protocol design/analysis; Protocol verification, validation; Reliability, fault tolerance; Multimedia networking; Performance modeling, quality of service; Routing and traffic engineering, software engineering; Web, grid, cluster computing; Real-time/embedded systems, middleware; Internet computing, web services; Others.

### Track 4: Advances in Signal Processing and communications

Signal and Multi-dimensional Signal processing (theory, algorithms, architecture, design, and implementation); Speech and Audio processing, coding, compression, and recognition; Image/video processing, coding, compression, restoration, analysis and understanding, and communications; Multimedia signal processing and technology; Signal processing for communications and networking; Optical Signal Processing; Statistical and adaptive filters; Nonlinear signal processing techniques and design tools; Modulation & Signal Design; Security, authentication, and cryptography; Analog signal processing; Array processing for smart antennas/sensor and systems; Others.

## Important Dates

Proposal for Special session: **March 30, 2015**

Full paper submission deadline: **July 31, 2015**

Notification of acceptance: **October 15, 2015**

Camera ready paper : **October 29, 2015**

Author registration deadline: **November 01, 2015**

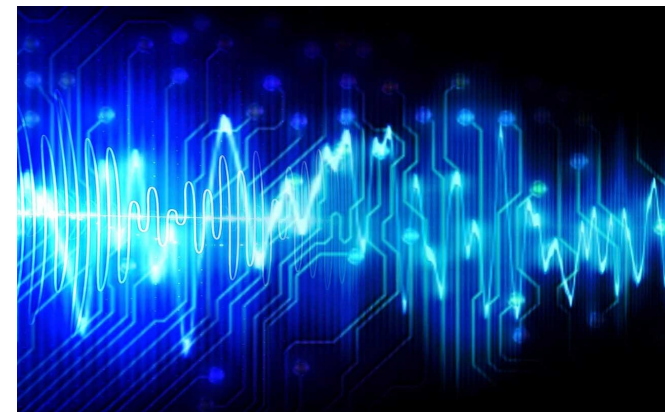
UNIVERSITÉ ABOU BEKR BELKAID TLEMCCEN

LABORATOIRE DE TELECOMMUNICATION DE TLEMCCEN LTT

## The 2015 International Conference on Advanced Communication Systems and Signal Processing ICOSIP 2015

Tlemcen, Algeria, 08-09 November 2015

## CALL FOR PAPERS



## CONTACT

ICOSIP 2015 Secretary

Address:

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Université Abou Bekr Belkaid, Tlemcen  
BP 230, Chetouane, Tlemcen, 13000, Algérie.

Emails for information contact

icosip2015@gmail.com

Laboratoire.LTT@gmail.com

Web site:

<http://icosip2015.univ-tlemcen.dz>

## Conference chairs

### Honorary Chairs

M. DJAFOUR , President of Abou Bekr Belkaid University, Tlemcen,Algeria

M.A. CHIKH , Dean of technology Faculty, Abou Bekr Belkaid University, Tlemcen,Algeria

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## Submission process

Authors are invited to submit papers written in english according to LNCS format and not exceed 10 pages through the online submission system found on the ICOSIP 2015 website: <https://www.easychair.org/conferences/?conf=ICOSIP2015>.

The title page should include author name(s), affiliation, mailing address, phone, fax, and e-mail address. The author should indicate one or two of the above categories that best describe the topic of the paper. Questions regarding manuscripts should be submitted to the appropriate track Technical Program Co-chair.

**For more information (Committee, Registration, Submission, indexing...), see <http://lft.univ-tlemcen.dz/icosip2015>**

## Registration fees

Researcher	5 000 Da
Student	2 500 Da
Industrial member	10 000 Da

## Journal publication:

**Top papers will be selected for publication in selected international journals indexed in SCOPUS.**