

First Announcement and Call for Papers



INTERNATIONAL MEASUREMENT CONFEDERATION

22nd IMEKO TC 4 International Symposium
and
20th International Workshop on ADC
Modelling and Testing

SUPPORTING WORLD DEVELOPMENT THROUGH ELECTRICAL&ELECTRONIC MEASUREMENTS

Iași, Romania
Technical University “Gheorghe Asachi”
Faculty of Electrical Engineering

September 14-15, 2017

Organized by

International Measurement Confederation - IMEKO
Technical Committee 4: Measurement of Electrical
Quantities

Co-organized by

Technical University “Gheorghe. Asachi” of Iași,
Faculty of Electrical Engineering

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INVITATION

On behalf of the Programme Committee, it is a great pleasure to invite you to the 22nd IMEKO TC4 Symposium and the 20th International Workshop on ADC Modelling and Testing that will be held in Iași, Romania on 14-15 September 2017. Contributions from all research communities working in the field of measurements or in appropriate fields are welcomed to join the symposium.

The registration, submission and peer reviewing process will happen online.

In addition, peer and customized support will be continuously offered by our organising committee.

The symposium will include technical sessions for oral and poster presentation. All the accepted papers will be published in the symposium proceedings (on USB stick), with ISBN identification and indexed in Scopus.

The organizers expect this event to provide participants with an excellent opportunity to exchange ideas and information about their research findings, to refresh personal contacts and to establish new ones.

LANGUAGE

The official language of the symposium is English. No translation will be provided.

TOPICS

Scientific papers are expected in the fundamental topics of **TC-4 symposia**:

Direct Current and Low Frequency Measurements
Radio Frequency, Microwave and Millimetre Wave Measurements
Calibration, Metrology and Standards
Traceability and International Compatibility of Measurements
Advanced Instrumentation Based on Micro and Nanotechnologies
Signal and Image processing
Waveform Analysis and Measurements
System Identification and Control
Embedded Systems
Ambient Systems and Computer-Assisted Living
Software Measurements
Biomedical Measurements
EMC Measurements
Power and Energy Measurements
Power Quality Assessment
Time and Frequency Measurements
Automated Test and Measurement Systems
Measurement and Instrumentation for Industrial Applications

Marine Instrumentation Technology

Sensors and Transducers

Virtual Measurement Systems

Sensors Interoperability

Wireless Sensor Networks

and respectively of **IWADC Workshops**:

AD&DA Advanced Techniques, Circuits and Applications

Σ - Δ ADCs and Their Applications

Auxiliary Circuits for ADC

ADC&DAC Modelling

ADC&DAC Testing and Calibration

Signal Processing for ADC

Signal Quantization and Round off

Resolution Enhancement and Auto-correction

Special sessions will also be organized on topics proposed and sustained by members of TC-4 board and/or economic environment.

INCREASED OPPORTUNITIES FOR PUBLICATION IN JOURNALS

Improved versions of a very significant number of presented papers will be considered for publication in Measurement (special section), ACTA IMEKO electronic Journal or the indexed in IDB Journal (B+), "Polytechnic Institute Bulletin".

CONFERENCE FEE

The Full Symposium (early bird) Fee is 350 €, while for young researchers and PhD students the reduced fee is 175 €. Both fees cover: publication for 2 papers, proceedings (electronic version on USB stick), symposium's bag and attendance to all scientific and social events. Extra-paper fee is 35 €. The organizers will offer Welcome cocktail, Lunches, Coffee & Snacks and Banquet Dinner. The 350 € fee also includes a trip (organized on Saturday, September 16th) in Northern Moldavia, for visiting monasteries included in UNESCO world heritage list.

Financial and logistic support for the next TC-4 Summer School to be organized in September 2017 in Iași will be also provided.

Special prizes (best papers at the four traditional categories) will be also awarded.

DEADLINES

Extended abstract submission- **April 15, 2017**

Notification of the reviewers' decision- **June 1, 2017**

Final (camera ready) paper submission- **July 1, 2017**

Payment of Conference fee, (early bird)-**August 1, 2017**

VENUE & TRAVEL

Iasi County is located in the North-Eastern part of Romania, close to the border with the Republic of Moldova. Iasi, mainly a university city, is the capital of this county, being currently classified as the second Romanian city (321.606 inhabitants).

Iași can be reached, (fastest option), by air with 17 permanent direct and very affordable flight-connections with major cities: London, Paris, Rome, Madrid, Barcelona, Brussels, Munich, Cologne, Vienne, Milano, Torino, Bologna, Catania, Tel Aviv, Larnaca, Thessaloniki and Bucharest. Undoubtedly, this list will be expanded for the next summer season.

From airport to downtown or hotels the taxi costs maximum 5 €, tips included.

There are 22 Hotels, from 2 to 5 stars, mainly available on Booking.com platform; a double room with breakfast at a 4 or 5 stars hotel costs less than 65€ per night.

ABOUT IAȘI

Iași, the former capital of Moldavia, is the most important political, economic and cultural centre of Romanian Moldavia and one of our oldest cities.

Iași is the city of great ideas, of our great unions, of the oldest university in Romania, of the first theatre in Romanian language and of the first literature museum in our country. Mainly due to its 55.000 students, Iași is a young and bustling scientific and cultural citadel.