



ICECS 2K



Call for papers

The 7th IEEE International Conference on
Electronics, Circuits and Systems.
December 17th - 20th 2000
Beirut, Lebanon



ÉCOLE
POLYTECHNIQUE



The 7th IEEE International Conference on Electronics, Circuits and Systems (ICECS'2K) will be held in Kaslik, 20 km North of Beirut, Lebanon, December 17th-20th, 2000. It is an IEEE CAS Society Region-8 conference, hosted by the Lebanese American University (LAU), Lebanon and co-sponsored by the École Polytechnique de Montréal (Canada), the Ministry of Higher Education, the National Council for Scientific Research, the Hariri's Foundation and the local student IEEE chapter, all in Lebanon.

The conference will include regular and special sessions on emerging electronics, circuits and systems topics; plenary sessions on selected advanced aspects of the theory, design, and applications of electronics, circuits and systems and short courses given by experts in the specific state-of-the-art subject areas.

The IEEE-ICECS will celebrate the year 2000 in Beirut. The venue will be at Portemilio hotel in the continuously expanded and modern region of Lebanon located in the north of Beirut – the heart of a lively multicultural and Mediterranean country.



Beirut, Lebanon.

Anticipated attendance is 400 to 600 delegates from main parts of the world. ICECS'2K will encompass a wide range of tutorial and technical programs covering major areas of electrical engineering. The IEEE-ICECS conference has evolved to be the most important of annual Electronics, Circuits and Systems meetings in IEEE region 8. ICECS'2K will provide a unique forum for the exchange of ideas and research results.

The ICECS'2K committee cordially invites you to submit papers addressing the technical program themes and tracks, and join us in Beirut during the week of December 17th to the 20th 2000 for the celebration of the year 2000. The social program has been carefully planned to allow delegates to taste Lebanon special charms – the natural beauty and the spirit of its people give Lebanon a place in the hearts of all who have been there. With its legendary hospitality, natural and tourist sites and its delicious food, Lebanon is indeed a unique place to visit.

Authors Schedule

- | | |
|---|--------------------|
| - Proposal for Special Sessions, Plenary Sessions, and half or full-day Short Courses | January 28, 2000 |
| - Deadline for submission of draft papers | May 26, 2000 |
| - Notification of acceptance | August 25, 2000 |
| - Deadline for submission of Camera-ready paper | September 29, 2000 |

Submission details are on the reverse side.

For the latest information, please consult:
WWW.ICECS2K.POLYMTL.CA

The 7th IEEE International Conference on Electronics, Circuits and Systems. December 17th - 20th 2000 Beirut, Lebanon

Topics for regular sessions include, but are not limited to, the following:

1. Analog Circuits and Signal Processing

- 1.1 Analog circuits and filters
- 1.2 Switched capacitor/current techniques
- 1.3 Analog and mixed signal processing
- 1.4 Data conversion and S-D modulation

2. General Circuits and Systems

- 2.1 Linear and nonlinear circuits and systems
- 2.2 Chaos and applications
- 2.3 Distributed circuits and systems
- 2.4 Power electronics and systems

3. Digital Signal Processing

- 3.1 Digital filters and filter banks
- 3.2 Wavelets and multirate signal processing
- 3.3 Adaptive signal processing
- 3.4 Multidimensional systems
- 3.5 Fast computations for signal processing

4. VLSI

- 4.1 Analog, digital and low power ICs
- 4.2 VLSI physical design
- 4.3 Testing: analog, digital and mixed
- 4.4 High level synthesis and hardware/software codesign
- 4.5 Logic synthesis and formal verification
- 4.6 Fault tolerance systems
- 4.7 Modeling, simulation and CAD tools
- 4.8 Microsystems and Applications

5. Multimedia and Communication

- 5.1 Speech processing and coding
- 5.2 Image processing and coding
- 5.3 Video and multimedia technology
- 5.4 Signal processing and communications
- 5.5 Computer communications

6. Computational Methods and Optimization

- 6.1 Numerical methods and circuits simulation
- 6.2 Linear and nonlinear optimization
- 6.3 Graph theory and combinatorial optimization

7. Neural Systems

- 7.1 Neural networks
- 7.2 Cellular neural networks
- 7.3 Fuzzy logic and circuits

8. Control Systems

- 8.1 Industrial automation
- 8.2 Robotics
- 8.3 Control systems and applications

9. Industrial and Biomedical Applications

- 9.1 Sensors
- 9.2 Space Systems Design
- 9.3 Micromechanics
- 9.4 Microstimulators
- 9.5 Others

10. Electronic Education

Prospective authors are invited to submit their paper reporting original work using one of the following methods:

1. Five hardcopies of an extended summary not exceeding four pages, IEEE 2 columns format.
2. An attached PDF or Postscript file to an E-mail.
3. File transfer using the FTP facilities (see Web site for details)
ftp://ftp.icecs2k.polymtl.ca.

Submission of a paper implies a commitment to present the paper if accepted.

SUBMISSIONS SHOULD INCLUDE:

1. A cover sheet containing:
 - i) Title of proposed paper, authors' names and affiliations;
 - ii) Postal address, phone and FAX numbers, and E-mail address of the contact author;
 - iii) Paper category numbers (from the above list) that best describes the paper;
 - iv) Choice of presentation (lecture or poster);
 - v) Name of the presenter author.
2. The complete draft of the paper:
 - i) Paper title, authors, names, affiliations, and addresses.

Extended summaries must be forwarded to:

Prof. M. Sawan
Electrical & Computer Engineering Dept.
École Polytechnique de Montréal
P.O. Box 6079, Station Centre-Ville
Montréal, Québec, Canada, H3C 3A7
FAX: +1 514 340 4147
E-mail: submit@icecs2k.polymtl.ca

Requests for information:

ICECS'2K Secreteriat
School of Engineering and Architecture
The Lebanese American University
P.O. Box 36, Byblos, Lebanon
FAX: 961 9 944 851
E-mail: rfarah@lau.edu.lb
sawan@vlsi.polymtl.ca

The international review panel will give high preference to papers that, excluding references, figures and tables, do not exceed 3000 words to clearly present the work, methods, results, originality, significance, superiority and applications of the techniques discussed. The submitted manuscript should closely reflect the final paper as it will appear in the Proceedings, which will be a maximum of 4 pages in IEEE double column format, Times font 12 pt.

For the latest information, please consult: WWW.ICECS2K.POLYMTL.CA