ICECE’2009

International Conference on Engineering and Computer Education

Buenos Aires, March 08 to 11 2009

www.copec.org.br/icece2009
Summary

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International Conference on Engineering and Computer Education

Educating Engineers for Innovation

1. ICECE’2009

ICECE’2009, International Conference on Engineering and Computer Education was accomplished in Buenos Aires, on March 08 to 11 of 2009, in the Campus of ITBA-Technological Institute of Buenos Aires.

This Congress was organized in Argentina by COPEC-Council of Researches in Education and Sciences, constituted of scientists of the education area and sciences, which believe in the research and in the development of the science and of the technology, as the great propellers of the development and of the progress for the welfare of humanity.

The objectives of the Congress are to establish and to maintain the exchange between educators and institutions of Engineering and Technology of several countries of the world; to improve the communication and the technology exchange among these countries and to encourage and to promote efforts in order to look for an international perspective for the institutions involved with Engineering and Technology.

2. Content

Occupying 8 rooms in the Campus of ITBA-Technological Institute of Buenos Aires, the event propitiated to the participants 7 workshops, 9 lectures guests and 43 technical sessions for the presentation of the 287 works selected by the technical committee of the Congress.

It accompanies this document a copy of the Book of Abstract of ICECE’2009 that consists of the complete program of the Congress with the abstracts of all of the presentations and a copy of CD of the Proceedings of the Congress.

2.1 Workshops

On Sunday, March 08 of 2009, 7 workshops were accomplished, as detailed below.

**WORKSHOP I**

Building a RF Amplifier

Prof. James O. Everly and Dr. Janak Dave - University of Cincinnati, Ohio, USA

**WORKSHOP II**

Introduction and Applications of CAE Tools in Engineering Education

Dr. Raghu Echempati - Kettering University, Flint, MI, USA

**WORKSHOP III**

Inexpensive and Effective Ways to Use e-Portfolios to Facilitate Learning and Transfer of Learning in Engineering Education

Dr. Jo Ann Thompson, Dr. Teresa F. Cook, Dr. Laura A. Wilson and Dr. Victoria P. Reynolds - University of Cincinnati, Ohio, USA

**WORKSHOP IV**
2.2 Keynote Lectures

The invited lectures were the sessions more sought by the participants, provoking long debates during the session of questions that followed each presentation. They were:

1. **The Engineering Education Societies in the World**: Prof. Dr. Claudio da Rocha Brito – President of COPEC;
2. **IEEE Ed. Soc: Working for the Future**: Prof. Dr. Susan Lord – President of IEEE Education Society;
3. **INTERTECH: from America to the World**: Prof. Dr. Muthar Al-Ubaidi – President of INTERTECH;
4. **IGIP: from Europe to the World**: Prof. Dr. Melany M. Ciampi – President of OPASS;
5. **History of Russian Passenger Rail Transport**: Prof. Dr. Vladimir G. Zakharov – Director of CRDF, Russia;
6. **Work in student team as a tool to stimulate interest in Electromagnetic Ecology**: Prof. Dr. Irina A. Avenarius – Director of MADI-TU, Russia;
7. **Designing a Freshman Program**: Prof. Dr. Dan D. Budny – University of Pittsburgh, Pittsburgh, PA, USA;
8. **Getting it “Write”: Applications of Technical Writing in the Physics Classroom**: Prof. Dr. Teresa Larkin – American University, USA;
9. **The Challenge of Engineering Education**: Prof. Dr. Richard Newrock – Dean of University of Cincinnati, Ohio, USA.

The invited lectures happened at the Amphitheater of ITBA-Technological Institute of Buenos Aires.

2.3 Presentation of Papers

The presentations of the 287 technical papers happened simultaneously at 6 rooms of the Campus of ITBA-Technological Institute of Buenos Aires. The participants had the opportunity to present their works and they could discuss their investigations with other scientists.

The complete program with the abstract of each paper accompanies this documentation.
ICECE’2009 counted with the participation of 263 professionals Engineering and Technology Education, coming from many parts of the world.

Among the participants, we registered the specialists from Germany, Argentina, Australia, Belgium, Canada, Chile, Colombia, Denmark, Spain, Estonia, USA, Finland, France, Holland, Italy, England, China, Arab Emirates, Luxembourg Mexico, Poland, Portugal, Czech Republic, Romania, Russia, Sweden, Switzerland, Turkey and Uruguay.

4. Evaluation

With the purpose of a more precise evaluation and with the objective of improving the activities, the organizers of ICECE’2009 requested the participants the kindness to fill out a brief evaluation form.

Based on the participants evaluation forms filled out we made the synthesis whose comments are summarized in the figure below.

<table>
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<tr>
<th>About the Organization</th>
<th>1 to 10-medium</th>
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<tbody>
<tr>
<td>Were their requests assisted satisfactorily by the reception?</td>
<td>9,6</td>
</tr>
<tr>
<td>Evaluation on the place of the Congress</td>
<td>9,3</td>
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<td>Evaluation on the time given for each session</td>
<td>9,0</td>
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<td>Evaluation on the total time of the Congress</td>
<td>9,8</td>
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<tr>
<td>His/her general evaluation of the Congress</td>
<td>9,4</td>
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</tbody>
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5. Conclusion

ICECE’2009 fully accomplished the objectives overcoming the expectations.

The promoters of the event were showing satisfaction with the results and they stated their satisfaction to the organizers.

ICECE’2009 was eulogized by the participants, so much for the technical content as for its organization.

The organization thanks the invited speakers, instructors of Workshops, authors of papers for the collaboration in this Congress as well as to all the participants that gave prestige to this Congress and without which the event could not be the success that it was.

Thanks to the priceless collaboration of the technical cooperator, IEEE-ED. SOC, whose endorsement made possible the accomplishment of this International Conference in Argentina.
ANEXO 1
Comité

**General Chair:**
Cláudio da Rocha Brito, President of COPEC

**Technical Program Chair:**
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