

## Conference Report

**2<sup>nd</sup> INTERNATIONAL CONFERENCE ON ELECTRICAL SYSTEMS (ICES 2006)**

**8-10 May 2006, Larbi Ben M'Hidi University, Oum El-Bouaghi, ALGERIA**

The 2nd International Conference on Electrical Systems (ICES 2006) was held 8-10 May 2006 at Larbi Ben M'Hidi University, Oum El-Bouaghi, Algeria. This conference provides opportunities for professional engineers, particularly young engineers, from both industry and academia to share ideas, explore recent developments, current practices and future trends in all aspects of electrical systems and related fields. ICES 2006 was of similar standing to the previous conference (PCSE'05) by the high quality of the presentations, the technical content of the papers, and the number of delegates attending. As in PCSE'05, it had a broad theme, covering all aspects of electrical power engineering, and was attended by academics, researchers, consultants and members of the manufacturing and electrical supply industries. During the sessions, 86 papers selected from 300 uploads from 13 countries were debated.

The conference was opened by Dr. Tarek Bouktir, Head of Electrical and Electronics Engineering Institute, Larbi-Ben-M'Hidi University. There were 4 Keynote speakers, 16 technical sessions, and a closing session. Papers were programmed in oral sessions or in poster sessions. The oral sessions were scheduled in four groups of parallel sessions with 15 minutes allowed for each presentation. The poster sessions were scheduled in the Electronics Institute Hall. The high standard of the papers, presentations, and technical discussions was particularly gratifying.

This year, the technical cosponsors included "IEEE United Kingdom and Republic of Ireland Power Electronics Chapter" and Journal of Electrical Systems, Industrial cosponsors included Algerian Electrical and Gas Company, ANDRU, CONDOR, ENERGOINVEST (Sarajevo), PHYWE (Belgium), and Larbi Ben M'Hidi University.

The conference was hosted in the city campus of Larbi Ben M'Hidi University in Oum-El-Bouaghi. It was residential lasting 3 full days.

### **1. OPENING SESSION**

Dr Bouktir Tarek, General Chairman, welcomed delegates and accompanying persons to the conference. He outlined the aims of the conference, summarized the detailed organization of the meeting, and reviewed the program. He said that 300 full papers were received from 13 countries and following a thorough review process by an International Review Committee 86 papers from 13 countries had been included in the Conference Proceedings (ISBN 9947-0-1233-6). The full conference papers were published in both a CDROM and hard copy.

He said that all papers, after being judged for their affinity to the subject of the conference, were then reviewed in full form by a committee of competent scientists and feedback was provided to improve the quality of the papers whenever necessary. Further, all the papers would be presented by their authors and discussed in the sessions.

The Rector of Larbi Ben M'Hidi University then thanked the institutions and the

companies supporting the conference. The contributions of members of the International Steering Committee and the Local Organizing Committee, the reviewers, and the session chairpersons were highly appreciated.

The formal opening was undertaken the Governor (Wali) of Oum El-Bouaghi. He indicated how the wilaya and the university were supporting the research and development in the areas of energy systems and power engineering. Then he thanked the organizing committee and declared ICES 2006 formally open.

## **2. PLENARY LECTURES**

The first Plenary Lecture was given by Dr MS Khanniche, Swansea University, UK. Dr Khanniche specializes in Power Electronics. His presentation was entitled 'Power Quality'. The second Lecture was given by Dr. Gerard Berthiau, Université de Nantes, France. His presentation was entitled 'contrôle non destructif'. The third Lecture was given by Dr. Ouahab Fouathia, Université libre de Bruxelles, Belgium, He specializes in Power systems operation and control. His presentation was entitled: 'COMPRIMa: Modèle d'optimisation du coût pour la planification de l'inspection, de la maintenance et du remplacement des composants du réseau électrique'. The fourth Plenary was delivered by Dr. Ahmed BOUBAKEUR, Ecole Nationale Polytechnique, Algiers, Algeria. He specializes in High Voltage. His presentation was entitled 'Engineering Education and Enterprises Creation (ENP experience)'

## **3. TECHNICAL PAPER SESSIONS**

Topics debated in the four parallel groups of technical paper sessions on the first day included: Electrical Machines and Drives, Modeling and Simulation, Power Electronics and Power Systems.

On the second day, there were further parallel groups of sessions on Electrical Machines and Drives, Power Electronics and sessions on Diagnostic, Semiconductors and Materials, Robotics and Automation, and Renewable Energy.

Topics debated in parallel groups of technical paper sessions on the third day included topics debated on the first day.

## **4. AWARDS**

Prizes were awarded by ICES'06 and sponsored by "IEEE United Kingdom and Republic of Ireland Power Electronics Chapter" for the Best Paper by a Young Engineer under the age 30 and for the Best Oral Presentation by a Female Engineer under the age of 30.

The ICES'06 Best Paper prize was awarded to Rafik Labdani from Algeria for a paper entitled "Particle Swarm Optimization Applied to the Economic Dispatch Problem". Co-authors are Linda Slimani, Tarek Bouktir. This paper was presented in "Power System" session.

The recipient of the ICES06 Best Oral Presentation by a Young Female Engineer under the Age of 30 was Miss. Fadhila Lachekhab, from ENP, Algeria for a paper entitled "Map Building for Mobile Robot using Fuzzy Logic". Coauthors were Hacene Rezine and Lazhar Kahoul. This paper was presented in Session ROBOTICS and Advanced Automation.

## **5. CONFERENCE PROCEEDINGS**

All technical papers were incorporated in the ICES 2006 Proceedings on CDROM and in

469page book of conference full papers. The CD ROM and book were distributed to delegates at the conference.

## 6. CONFERENCE WRAPUP

Papers were well thought out and benefited from the 15 minutes allowed for presentation and discussion of each paper. The general level of the discussions was extraordinarily high and stimulating. Of particular note was the high standard of the presentations by the younger members of the profession. The pleasure the participants experienced in meeting colleagues with similar interests from many countries should be particularly noted.

*Dr. Noureddine Goléa*



From left to right conference chairs (Dr K. Barra, Dr N. Goléa & Dr T. Bouktir) with Dr M S. Khanniche (UK)



Dr G. Berthiau (France) with women conference attendees



Dr A. Boubakeur (Algeria) presenting his plenary



Dr MS. Khanniche (UK) presenting his plenary



Poster session



Some of the conference attendees



The participants during the coffee breaks



Dr G. Berthiau (France) presenting this plenary