

Structure of the Conference

The XIVCLEEE Conference will run according to the following structure:

- Invited Oral Plenary Sessions, in one room for all participants.
- Oral Sessions, in three rooms simultaneously.
- Poster Sessions, posted on stands in one room for all the participants.

Communications

Prospective authors are invited to submit to the Conference Secretariat technical unpublished papers within the frame of the Conference topics.

Papers will be received upon a maximum of 3-4 pages A4 size double column digests in Adobe Acrobat (.pdf) or MS Word (.doc).

These digests are not simple abstracts or proposals of intention but should include all the information for an adequate evaluation by the Scientific Committee.

The digests shall be produced according to the instructions for the complete version of the communication and the submission done via internet only.

The digests will be reviewed by at least 2 Members of the International Scientific Committee that will select them according to their originality and scientific/technical content. The accepted digests will be included in the XIVCLEEE Proceedings. Authors of accepted digests will be asked to submit a full version (up to 6 pages) of the papers for inclusion in the Conference proceeding CD-Rom.

The complete communications are accepted on the basis of the accepted digests and will be presented either in oral or poster format. An award will be delivered to the three best Posters. All the papers presented in the Conference will be published in an Electric International Journal or Monogram, to be announced later in the Conference webpage.

Oral Sessions will be oriented for presentation of a more general type work, whereas Poster Sessions will be oriented for a more specific audience. These latter will allow the presentation of research work, projects executed or under development. There will be no difference between the papers presented in either oral or poster sessions.

Important Dates

15 Mar.	2015	Digest Submission due
31 Mar.	2015	Acceptance notification
01 May	2015	Registration, Final Paper Submission, Payment
30-02 Jul.	2015	Conference Days

Social Events

- **Civic Reception: 30th June.**
- **Gala Dinner: 1st July**

Companions Program

A three day Program of Excursions will be proposed for guests accompanying conference participants to places of interest and also for all participants in the last day. Lunch will be provided during each excursion.

Registration and Fees (in Euros only)

Type of Registration	Up to 01/05/2015	After 01/05/2015
- Authors (1 paper)/Members A.P.D.E.E./AEDIE/SBMag/IEEE	390€	480€
- Authors Participants non Members	450€	540€
- Each additional page (up to +2)	20€	25€
Second Paper	120€	170€
Third Paper	100€	150€
- Students (PhD)	350€	440€
- Accompanying Conference Participants	290€	380€
- Additional Gala Dinner	90€	100€

The payment is to be done via Bank Transfer (Please add extra 10€ for Bank charges).

The fees for authors and participants covers full attendance to all the Conference Sessions, the Lunches, Coffee Breaks, Civic Reception, Gala Dinner and Documentation.

The registration fee for Accompanying Persons includes the Program of Excursions, Lunches, Civic Reception and Conference Gala Dinner.

Cancellation of the registration is accepted if informed by e/mail or by fax until 1st June 2015. It will be reimbursed 90% of the amount received, and the other 10% will be kept to cover handling and administration costs. The reimbursement will be done after the Conference.

After 1st June 2015, cancellation requests will not be accepted and reimbursements are not allowed, although the documentation will be mailed to the participants that made the payment of registration fees.

Correspondence and Informations

For information please contact

XIVCLEEE Conference Secretariat:

A.P.D.E.E. - Associação Portuguesa para a Promoção e Desenvolvimento da Engenharia Electrotécnica

Rua Eládio Alvarez, 3030-281 Coimbra, Portugal
Telf. 239-701869 Fax. 239-701543

Website: <http://www.apdee.org/conferences/xivcleee>

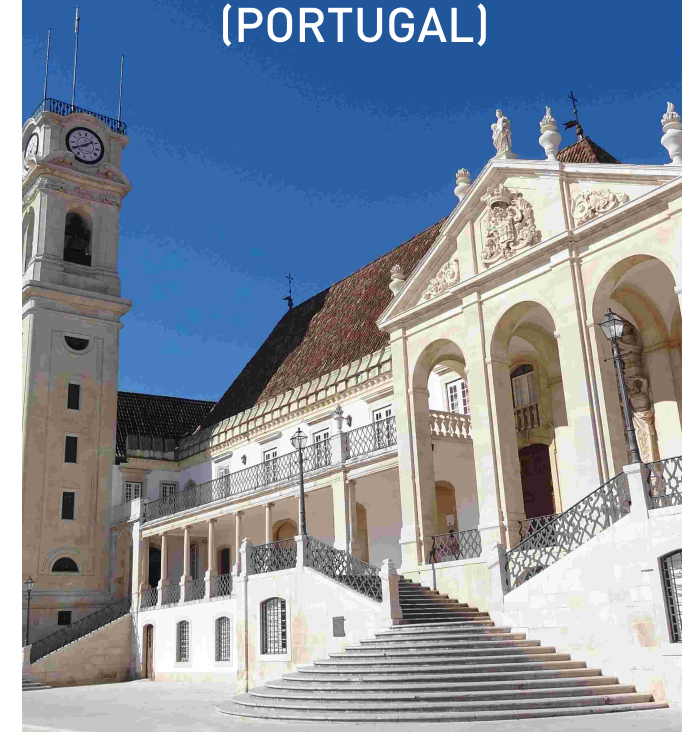
E-mail: xivcleee-secretariado@apdee.org

14th PORTUGUESE-SPANISH CONFERENCE ON ELECTRICAL ENGINEERING

XIVCLEEE

CALL FOR PAPERS
30th June - 2nd July 2015

Coimbra
(PORTUGAL)



Organized by:



A.P.D.E.E. - Associação Portuguesa para a Promoção e Desenvolvimento da Engenharia Electrotécnica



A.E.D.I.E. - Asociación Española para el Desarrollo de la Ingeniería Eléctrica

Technical Support Applied by:



Objectives

Welcome to the 14th Portuguese-Spanish Conference on Electrical Engineering, XIICLEEE for short. This Conference, now in the 14th edition is the major International Conference on Electrical Engineering held in the Iberian Peninsula and is jointly organized by the two sister Associations APDEE (Associação Portuguesa para o Desenvolvimento da Engenharia Electrotécnica) and AEDIE (Asociación Espanola para el Desarrollo de la Ingeniería Eléctrica).

Now established as a regular biennial event this Conference alternates between Portugal and Spain, to mention Vigo (1990), Coimbra (1991), Barcelona (1993), Porto (1995), Salamanca (1997), Lisboa (1999), Madrid (2001), Vilamoura (2003), Marbella (2005), Funchal-Madeira (2007), Zaragoza (2009), Ponta Delgada - Azores in 2011, Valencia (2013) and Coimbra (2015).

This Conference, like its predecessors covers the whole range of applications and problems of Electrical Engineering as indicated in the thematic areas and topics below. It is intended to be a forum for specialists engaged in the field of Electrical Engineering to discuss current progress and future developments and trends in key areas of Electrical Engineering.

Venue

The XIVCLEE Conference will be held in Coimbral (Portugal), known all over the world to receive high quality events, in Hotel Vila Galé.

The City of Coimbra has its own very special mystique. Rich in its history and with a University founded in 1290 by King Dinis, is the home to the oldest university of Portugal and one of the oldest in the world.It is mainly an University Town, but it is also an historic city with lots of monuments and other historic treasures with a busy commerce and the vibrant presence of the Mondego river, the "River of Poets" as locals call it proudly, offering visitors the beauty of its banks, making the city an important touristic destination.

In Coimbra the river has always been sung, and the students have given and they still give the city fados and ballads, books and poems, dreams and "Saudade".

Conference Language

The official languages of the Conference are Portuguese and Spanish, but English is considered, also as working language for presentations and printed material.

Organization

This Conference is organized by:

A.P.D.E.E. - Associação Portuguesa para a Promoção e Desenvolvimento da Engenharia Electrotécnica

A.E.D.I.E. - Asociación Espanola para el Desarrollo de la Ingeniería Eléctrica

Chairman:
Carlos Lemos Antunes, Prof. Dr., University of Coimbra, FCTUC, President of APDEE, Portugal

Vice-Chairman:
Manuel Perez Donsion, Prof. Dr., University of Vigo, ETSIIV, President of AEDIE, Spain

International Scientific Committee

Aguado, J.A. (Spain)
Almeida do Vale, Zita (Portugal)
Andrada Gascón (Spain)
Andras, Dan (Hungary)
Arcega Solsona, F. (Spain)
Arnáltes Gómez, S. (Spain)
Arnulf Kost (Germany)
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Bastos, J.P. (Brazil)
Bendl, J. (Czech Republic)
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Boccaletti, Chiara (Italy)
Brandão Faria, J. (Portugal)
Brslica, Vit (Czech Republic)
Bueno Barrachina, J.M.(Spain)
Burgos Payan, M. (Spain)
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Cabrita, C. (Portugal)
Cañas Peñuelas,C.S. (Spain)
Cardoso, J.R. (Brazil)
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Chiricozzi, E. (Italy)
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Cruz, Sérgio (Portugal)
Coll Mayor, D. (Spain)
Cvetkovski, Goga (Macedonia)
Dente, Antonio (Portugal)
Dias, Jorge (Portugal)
Dolezel, Ivo(Czech Republic)
Duran, Mario (Spain)
Eguiluz Morán, L.I. (Spain)
Ertan, H.B. (Turkey)
Faria, Brandão (Portugal)
Fernández Cabanas, M. (Spain)
Flores, Antonio (Portugal)
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Fraile Ardanuy, J. (Spain)
Garrido Suárez, C. (Spain)
Gharehpetian, G.B. (Iran)
Ghita, Constantin (Romania)
Gómez Exposito, A. (Spain)
Grabner, C. (Germany)
Guemes Alonso, J.A. (Spain)

Iwaszkiewicz, J. (Poland)
Jorge, H. (Portugal)
Kádár Péter (Hungary)
Kladas, A. (Greece)
Kotlanova, A. (Czech Republic)
Krawczyk, A. (Poland)
Leão Rodrigues (Portugal)
Lemos Antunes, C. (Portugal)
Levi, Emil (U.K.)
Llombart Estopiñan, A. (Spain)
Maciel Barbosa, F. (Portugal)
Machado e Moura, A. (Portugal)
Maló Machado, V. (Portugal)
Mañana Canteli, M. (Spain)
Marques Cardoso, A. (Portugal)
Martinez Malo, J. (Spain)
Niememan, Asco (Finland)
Norio Takaashi (Japan)
Nunes, U. (Portugal)
Orille Fernández, A. (Spain)
Pais Diaz, C. (Portugal)
Perat Benavides, I. (Spain)
Pereira Cabrita (Portugal)
Pereirinha, P. (Portugal)
Pérez Donsión, M. (Spain)
Pérez Hidalgo, G. (Spain)
Perz, Jacek (Poland)
Petkovska, L. (Macedonia)
Ramos, C.S. (Portugal)
Roberto Cardoso, J. (Brazil)
Roger Folch, J. (Spain)
Sadarangani, C. (Swenden)
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Saadate, S. (France)
Salmerón Revuelta, P.. (Spain)
Sanz Badía, M. (Spain)
Schlemmer, Erwing (Germany)
Serrano Iribarnegaray, L. (Spain)
Stumberger, Gorazd (Slovenia)
Tenreiro Machado, J. (Portugal)
Valouch, V. (Czech Republic)
Vitale, Gianpaolo (Italy)
Wiak, Slawomir (Poland)
Wilhelmi Ayza, J.R. (Spain)
Zamora Belver, I. (Spain)
Zobaa Ahmed, (UK)

Thematic Areas

Following the already tradicional path of previous Conferences, XIICLEEE covers a wide spectrum of topics in six thematic areas like, Power System Analysis, Power Systems Management, Electric Machines and Power Electronics, CAD/CAE Techniques and Simulation, Electrical Instalations and Industrial Production, Instrumentation, Control and Robotics .

There will be Oral and Poster communications as well as Plenary Lectures presented by specialists of the academic and industrial world with recognized competence in these fields.

These areas include among other,but not limited, the following topics:

Power System Analysis

Steady state analysis. Dynamic and Stability analysis. High Voltage Techniques. Insulation Coordination. Interconnection and Transport. Renewable Energies. Distributed Generation. Integration of Renewable energies in the Power Grid. Power Generation Control.

Power Systems Management

Electricity Markets and energy price strategies. Economic Regulation of the Electricity Market. Price regulation for Independent Operators. Service Quality and Reliability. Optimization Techniques. Online Diagnostics. Power Energy and Environment. Climate Changes. Economics of Renewable Energy. Demand Management.

Electric Machines and Power Electronics

Steady and transient states. Permanent Magnet machines. Special machines. Electrical Vehicles. Fuel Cells. Bio-energy. Fault diagnostics analysis and testing. Regulation. Power generation. Power plants. Cogeneration. Transformers. New materials and new technologies. Losses and Efficiency. Heating and Cooling. Vibration and Noise.

CAD/CAE Techniques and Simulation

Electromagnetic and Thermal fields modeling. Numerical methods (FEM, FDM, BEM). Material property modeling. Optimization. Electromagnetism applied to the marine environment. Petri nets. Object oriented implementation. Neural Networks. Genetic Algorithms. Artificial Intelligence. Expert Systems. Internet Applications. Knowledge-based systems. Fuzzy systems. Web-based simulation. Monte Carlo simulation. Electromagnetic Compatibility. Disturbancies (Conducted, Radiated). Electromagnetic Fields and Biological Effects.

Electrical Installations

Smart Houses. Lighting systems. CCTV Surveillance, Intrusion. Standardization and Regulation. Grounding Systems. Protections. Uninterruptible Power Supplies. Batteries. Storage. Rational Use of Energy. Energy Efficiency. Wave Quality. Filters. Power Factor Compensation. Domotics. Computer Aided Design. Software Tools.

Industrial Production, Instrumentation, Control and Robotics

Production Management. Analogue, Digital and Optical instrumentation. Sensors and Actuators. Control Technology. Programmable Automates. Communication Networks. Real-time Systems. Flexible and Intelligent Manufacturing. Autonomous robots.