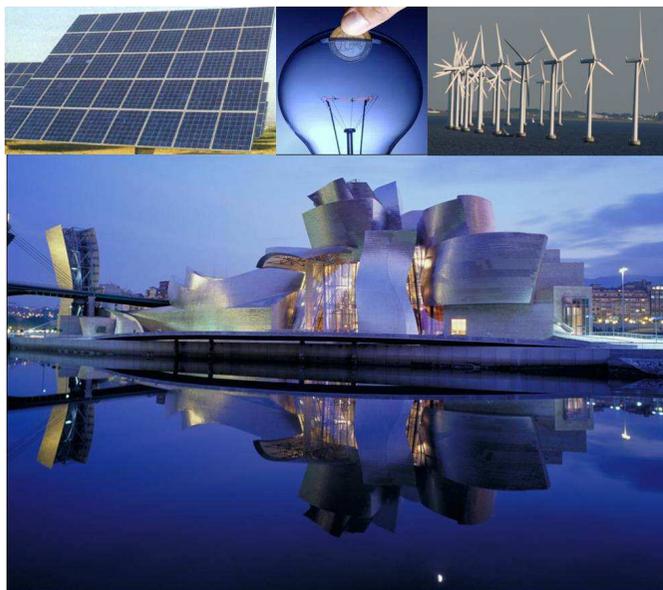


INTERNATIONAL CONFERENCE ON RENEWABLE ENERGIES AND POWER QUALITY (ICREPQ'13)

CALL FOR PAPERS

20, 21, 22 of March, 2013

Bizkaia Aretoa-UPV/EHU Building
Bilbao (Spain)



ORGANISED BY:

- European Association for the Development of Renewable Energies, Environment and Power Quality (EA4EPQ)
- University of Vigo
- University of the Basque Country



CONFERENCE LANGUAGE

The Conference language is English. All papers and presentations should be made in English.

OBJETIVES AND TOPICS

The intention of the organizers is to give an opportunity to academics, scientists, engineers, manufacturers and users from all over the world to come together in a pleasant location to discuss recent development in the areas of Renewable Energies and Power Quality.

1. RENEWABLE ENERGY:

Topics include, but are not limited to:

- Wind Energy, Small Hydro Energy, Solar Energy, Photovoltaic Energy, Ocean Energy, Geothermal, Biomass, Cogeneration,...
- Classical and special electrical generators: Theory, design, analysis, losses, efficiency, heating and cooling, vibration and noise, modelling and simulation, control strategies, protection systems, maintenance, mechanical behaviour, new methods of testing, parallel operation, transmission system, stability,...
- Power plants. Distributed generation. Fuel cells. Co-generation. Hybrid Systems. Micro-grids. Smart grids. Original solutions,...
- Energy conversion, conservation and energy efficiency.
- Energy saving policy. Energy storage. Batteries,...
- Energy and the environment. Ecological balance. Ecosystem,...
- Application of the renewable energy. Best practice projects.
- Legislation in the area of renewable energies.
- Biomass combustion techniques. The energy use of agricultural and forest residues. Production and the energy exploitation of bio-gas. Environment. Social importance...
- Interconnection and transport problems.
- Planning and control of the power system take into account the renewable energy. Stability. Protection...
- Economic analysis of the power system take into account the renewable energy.
- Electricity Market Structures. Regulation/des-regulation of the power market. Influence of the renewable energy.
- Models and simulation of the power systems. Models and estimation of loads. Software tools.
- Application of the communications, internet, artificial intelligence for the renewable energy.
- Security assessment and risk analysis in renewable energy.
- Electric vehicles.
- Electrical Machines & Drives, Power electronics and Control strategies for renewable energy applications.
- Monitoring and Diagnostics of electrical machines & drives, Tools for Diagnostics, Test for Predictive Maintenance in Renewable...
- Sensors and actuators for renewable energy applications.
- Renewable Energies Teaching.

2. POWER QUALITY: Topics include, but are not limited to:

- Electromagnetic compatibility (EMC).
- Power Quality in Transport and Distribution. FACTS
- Economic Studies of the Power Quality.
- Low-frequency conducted disturbances: Voltage deviations, voltage fluctuations/flicker, voltage sags and short interruptions, harmonics and inter-harmonics, transient over-voltages, voltage unbalance (imbalance), temporary power-frequency variations.
- Sources, effects and mitigation methods of the disturbances.
- Measurements of the power quality in networks, industrial installations and Laboratories. Equipment, procedures and measurement methods. Standards.
- Modelling and simulation of the power quality. Software tools.
- Transmission of the disturbances.
- Filtering techniques.
- Power factor compensation. Capacitor switching techniques.
- Optimization techniques.
- Communication, internet and artificial intelligence.
- Permanent monitoring techniques and online diagnosis.
- Intelligent energy delivery systems. Uninterrupted power supplies.
- Expert systems applications.
- Devices, equipment and power systems. Control centres.
- Specific problems and studies cases.
- Power quality influence in deregulated markets.
- High frequency disturbances (radiated).
- Data security and electromagnetic pulses.
- Protection against natural and intentional EMI.

IMPORTANT DEADLINES:

- **Submissions due: October 30, 2012 (*)**
 - **Notification of acceptance: November 30, 2012**
 - **Registration, full payment and final paper due: January 20, 2013**
- (*) Submit your extended summary of a minimum of two A4 double columns pages and a maximum of four, or one provisional full paper of 5 or 6 pages, in Adobe Acrobat (.pdf), with the title of the paper, authors, your complete contact information and electronic address, five key words, interest of the work, objectives, main contributions and the four most important references at: donsion@uvigo.es. Every paper will be evaluated (peer review) by the International Scientific Committee members. Every presented paper will be included in the Renewable Energy & Power Quality Journal (RE&PQJ) with the International Standard Serial Number: 2172-038X.

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Jeong Se Suh (Rep. of Corea) Vaccaro, Alfredo (Italy)
Jokinen, T. (Finland) Valouch, V. (Czech Republic)
Jigeng Li (China) Vergura, Silvano (Italy)
Jimoh, Adisa (South Africa) Vinnikov, Dmitri (Estonia)
Jyotirmoy Roy (UK) Vitale, Gianpaolo (Italy)
Kádár Péter (Hungary) Zamora Belver, I (Spain)
Kiss, Péter (Hungary) Zobaa Ahmed (UK)

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Miguel Martínez Melgarejo
Mariano Sanz-Badía

STRUCTURE. The ICREPQ'13 will be structured in:

- **Plenary Sessions** (keynotes): in one room for all the participants.
- **Special Sessions**: 5 or 6 papers with the same thematic content that will be presented orally in one thematic session
- **Posters Sessions**: In 45-minute periods.

SOCIAL EVENTS

- **Civic Reception**: 20th of March

CONCEPT	Before January, 20, 2013 (*)	After January, 20, 2013 (*)
Authors/Participants	€ 450	€ 510
PhD Students (**)	€ 390	€ 440
Second paper	€ 140	€ 180
Third paper	€ 100	€ 120
Accompanying Conf. Participants	€ 380	€ 430
Conference Dinner (Optional)	€ 65	€ 75

- **Conference Dinner**: 21th of March

VENUE. The International Conference on Renewable Energies and Power Quality (ICREPQ'13) will be held at the Bizkaia Aretoa-UPV/EHU Building, Bilbao (Spain).

REGISTRATION

The conference registration fee for all the participants covers full attendance at the conference, the presentation of one paper, documentation of the conference, the lunches during the three days, the coffee breaks, the Civic Reception and the Cultural Visit.

The registration for guests accompanying conference participants includes the same that for the other participants but not cover the documentation of the conference.

Registration fee =(*)Euros, the date is just the moment when the appropriate credit card information, or a bank transfer, is received.

We consider to all the participants like a Temporary Members of the EA4EPQ Association, Agreement of EA4EPQ General Meeting of March 12th, 2009, and then in accordance with the Law 37/1992 and the Royal Decree 1624/1992, Ministry of Finance letter of 7 May 2003 for EA4EPQ members, they do not pay taxes.

(**)For students it is necessary provide, at the ICREPQ'13 Secretariat a Faculty or Department document that justify the student condition.

Fees will be increased 15% after March 1, 2013 over all the concepts of the third column of the table (last one).

IMPORTANT: Please send to the International Secretariat the Registration Form with the correct information for make the invoice: name, company, address, VAT number (or passport number) and if you make a bank transfer, please fill up the sheet putting always your name and the reference(s) of your paper(s). For payment by credit card, you can use also the Agreement of Payment Form that appear in the web: www.icrepq.com/registration.htm

Please put the reference of your paper(s) in all the correspondence.

Payment: By credit card or transferring the registration fees to the bank account of the EA4EPQ Association. Reference: AEDERMACP, Account Number: 2080 5142 84 3040003295; IBAN ES95 2080 5142 84 3040003295. BIC: CAGLES MMXXX. Name of the bank: NOVAGALICIA BANCO, C/Sanxenxo, s/n, 36209 VIGO (Spain).

Cancellation. Cancellation refunds, minus handling and administration costs of 10%, will be made by bank transfer for written cancellations received by the International Secretariat prior to February, 5, 2013. No refunds will be made for cancellations after this date, but the documentation of the conference will be mailed.

Name badge. An admission badge will be provided to each participant. This badge entitles access to the technical sessions and should be worn through the conference.

For economic questions use the address: icrepq@icrepq.com

INTERNATIONAL SECRETARIAT

The International Secretariat of ICREPQ'13, for send the digests, full papers, and for all concerning with authors and their works, is:

ICREPQ
Electrical Engineering Department
Vigo University
ETS de Ingenieros Industriales
Campus of Lagoas-Marcosende
36310 VIGO (Spain)
Phone number /Fax . +34 986812685
E-mail: donsion@uvigo.es
Web page: www.icrepq.com

LOCAL SECRETARIAT

The Local Secretariat of ICREPQ'13 is:
Javier Mazón Sainz Maza javier.mazon@ehu.es
Inmaculada Zamora Belver inmaculada.zamora@ehu.es
Electrical Engineering Department
ETS Ingeniería de Bilbao
48013 Bilbao (Spain)
Phone number: +34 946 014062 (3941)

ICREPQ'13 SPECIAL SESSIONS

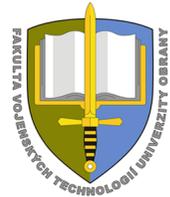
No.	TITLE	CHAIRMEN
1	Control and integration of wind energy systems	Mario J. Duran Martínez and Mohamed A. H. El-Sayed
2	Microgrids and Smart grids	Gevork B. Gharehpetian and Alfredo Vaccaro
3	Electric vehicles	Pere Andrada
4	Solar Technologies	Silvano Vergura and Gianpaolo Vitale
5	Applications of Multi-Level Converters and Inverters in Power Quality Improvement	P. N. Tekwani
6	Sustainable Energy Mix	Mohamed A.H. El-Sayed
7	Recent developments in generators for wind turbine applications.	Hashem Oraee
8	Harmonics and Power Quality	András Dán and Dávid Raisz
9	Ecodesign, regulation standards and efficiency improvement of electric motors	Ramón Bargalló
10	Ocean Energy (Wave, tidal and offshore wind)	Ahmed Zobaa
11	Power Electronics for Renewable Energy Systems	Silvano Vergura and Gianpaolo Vitale
12	Net Zero Energy Building	Antonio Gagliano and Francesco Nocera
13	Economic, Financial and Social aspects of Renewable Energy Penetration	Mihail Predescu and Silvano Vergura
14	Nanotechnology for Renewable Energy	Basma El Zein
15	Low & High Temperature Fuel Cells	Etim Ubong
16	Power Quality and Renewable Energy	André Martinez and Shahrokh Saadate
17	Renewable energies for developing countries	Vít BRŠLIKA and Alfredo Vaccaro
18	Strategic Energy Planning	Roberto Cesar Betini and Emilio Torrente Lujan

PROCEDURE. The ICREPQ'13 Organization team will receive at the electronic address: donsion@uvigo.es the proposals of papers (digest of a minimum of two double columns pages), or preferable provisional full papers (from four to six double columns pages), for ICREPQ'13 and the authors fill up one sheet with their preferences about the presentation of the paper. If they prefer an oral presentation they must select the special session that they consider the most adequate for their paper presentation.

- In the reviewing process of the papers will collaborate all the ISC members in a peer review process but, of course, we'll send for to review a reasonable number of papers to the chairmen of the special session selected by the authors.

- Among all the papers accepted for one special session the chairman, or chairmen, of the session will choose the 5 or 6 papers more appropriate for one oral presentation in that session and the other (accepted papers) can be presented like poster. If there are 10 or 12 good papers for one special session the ICREPQ'13 organization team and the chairman (or chairmen) of that session can decide to present all of them in two oral sessions.

ENTITIES THAT COLLABORATE WITH THE ICREPQ'13 ORGANIZATION OF THE SPECIAL SESSIONS



AMIRKABIR UNIVERSITY OF TECHNOLOGY
(TEHRAN POLYTECHNIC)
ELECTRICAL ENGINEERING DEPARTMENT



KUWAIT UNIVERSITY
College of Engineering & Petroleum
Electrical Engineering Department

National Research
Council of Italy

windtechnologies



Sharif University of Technology



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



UNIVERSIDADE TECNOLÓGICA FEDERAL DO PARANÁ