



European Association for the
Development of Renewable Energies,
Environment and Power Quality



ICREPQ'20 SPECIAL SESSION

Dear Colleague,

The Steering Committee, the Local Organizing Committee and the Responsible People (Chairmen) of the Special Sessions are glad to invite you to the next "**International Conference on Renewable Energies and Power Quality (ICREPQ'20)**", which will be held in the University of Granada (Spain), from 1 to 3 of April, 2020.

DEADLINE. Submissions due: October 30, 2019.

WEB SITE: <http://www.icrepq.com>

We strongly encourage you to submit papers(*) for the special session of the ICREPQ'20:

17.- Renewable energies for developing countries

Effective and sustainable energy-planning policies are needed in developing countries in order to stimulate investment in power-plant modernization and in rationale energy usage. In many of these countries, importing fuels is a major drain on foreign exchange reserves. Besides environmental issues further increase the complexity of energy decision making. These factors make defining effective and sustainable energy planning policies for developing countries very complex.

Developing nations can count on a variety of potential renewable electrical energy sources, including solar, hydroelectric, people-powered, geothermal, and wind. To maintain availability of electricity, backup batteries are often used. Cost remains a major factor in obtaining affordable power sources. But frequently power sources are undersized, battery and charging system are often misused and fail, and there is a lack of standard and convenient interfaces for switching among various power sources based on capacity and demand.

Topics of interest for this special session include, but are not limited to:

- Reliable and cost effective low power (0.1 to 1 kW) stand-alone power-generation systems
- Low/medium power generation (1-5 kW) with multiple generation and storage capabilities
- New technologies for cogeneration and micro-power generation
- Solar kiosks for battery charging
- Technological solutions for load interfaces and system management
- New solutions aimed at improving energy efficiency
- Local training programs to support and promote initiatives in reliable electricity
- Energy storage technologies and devices
- New energy materials and apparatus
- Interfacing Problems of Renewable Energy

Responsible people and Chairman: **Prof. Dr. Vít BRŠLICA and Prof. Dr. Alfredo Vaccaro**

Prof. Dr. Alfredo Vaccaro
Department Engineering
University of Sannio
Piazza Roma 21 – 82100 Benevento, Italy
Phone number: 390824305563
vaccaro@unisannio.it

Prof. Vít BRŠLICA, PhD.,
K217, FVT, University of Defence,
Kounicova 65, CZ 662 10 Brno,
Phone: +420 (973) 44 23 19
Mob: + 420 608 030 178
vit.brslica@unob.cz

The ICREPQ is an International Conference where specialists of industrial and academic world can discuss together in a pleasant location about recent developments and actual trends in the field of Renewable Energies and Power Quality. Within these areas, ICREPQ'20 has the aim to identify the most relevant applications evidencing main problems and strategies.

The list of all the Special Sessions selected for ICREPQ'20 and the chairmen are included in the following table:

ICREPQ'20 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	Wind Turbines of the Future: Economics, Design & Operation	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
14	Nanotechnology for Renewable Energy	Basma El Zein and Elhadj Dogheche
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 BRŠLICA and Alfredo Vaccaro
18	Strategic Energy Planning	Roberto Cesar Betini and Emilio Torrente Lujan
19	Model Predictive Control for Power Electronics Converters Dedicated to Renewable Energies systems	Kouzou Abdellah
20	Impacts of renewable energy for industrial development and sustainable economics	Amine Boudghene Stambouli and Samir Flazi
21	FACTS (SVC, STATCOM, UPFC, HVDC,...)	Manuel Pérez Donsión

(*) The interested authors can send proposals of papers (digest of a minimum of two double columns pages), or preferable provisional full papers (from 4 to 6 double columns pages), for ICREPQ'20. The authors must fill up one sheet, that is on the web site, 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. The proposals of papers can be sent to: icrepq@icrepq.com, donsion@icrepq.com or donsion@uvigo.es

The definitive full papers will be included in the International Conference on Renewable Energies and Power Quality USB Memory with ISBN, in the web site and surely, most of them, in the open access Renewable Energy and Power Quality Journal (RE&PQJ), with ISSN: 2172-038X, the DOI (Digital Object Identifier). <https://doi.org/10.24084/repqj20.xxx>. The RE&PQJ will be indexed by SCOPUS from 2019 onwards.