

Welcome to EPE 2009 in Barcelona

It is an honour for us to invite the whole power electronics community to join the EPE'2009 conference, Barcelona, from September 8 to September 10, 2009. We have received about 1100 synopsis and, owing to the high quality of the contributions, more than 750 papers were selected for presentation at the conference.

Spain has very good standards in renewable energies production, power industrial applications of power electronics and advanced research groups in these fields. The Global Energy Council ranked Spain third in terms of overall installed wind power capacity at about 20.000 megawatts, just behind USA and Germany. According to the National Commission of Energy (CNE), our country installed more than 3.000 megawatts of photovoltaic power last year.

Renewable energies and a big number of other issues at the cutting-edge of power electronics will be addressed at the EPE'2009. The Conference will be held at the Palau de Congressos/Fira de Barcelona, a perfect place for large conferences which is located in one of the most visited places of the town due to the proximity of the Montjuïc Mountain gardens and important museums. Up to 7 tutorials will be organised on Monday. During the three days of the main conference, we will have about 150 papers for lecture sessions developed during the morning in six parallel tracks. In the afternoon dialogue sessions will take place. Fields like drives, automotive, custom power systems and new devices will be on the focus of the lecture and dialogue sessions. In the late afternoon different workshops will be held in power electronics in power systems, education. The web-site of the conference www.epe2009.com explains in detail the topics and sub-topics addressed.

EPE 2009, will offer, co-organised with ECPE, several industrial sessions, running in parallel with the regular conference sessions. Every day one "actual topic" will be covered with keynotes, coming mainly from top experts from the academia, invited lecture sessions with speakers mainly from the industry, and a workshop/ roundtable discussion planned by the end of the day. Keynotes and lectures will highlight the topic that will be presented during the day.

Active and Passive Components will be discussed on the first day of the conference. A morning keynote will present the state-of-the art of Wide Gap Devices. Invited industrial presentations will follow with lectures on High Frequency and High Power Semiconductors. Digital Drivers, Magnetic Components and Component Reliability will be lectured in a session dedicated to Passives. A keynote on Losses and Cooling Techniques will be also presented in this first day of the Conference.

Mass Transportation is the subject of the second day industrial sessions. Two keynotes will be presented during the morning related to More Electric Aircraft Technologies and More Electrical Heavy Vehicles while the industrial invited presentations will cover More Electrical Aircraft Systems, Advanced Rail Systems and More Electrical Ship Technologies. Reliability of Power Electronic Systems, a very important topic in this area, is covered with an afternoon keynote presentation and discussion session.

On the third day of the conference, presentations on Solar Energy Systems as well as integration to the grid are planned. After a first keynote on Research Challenges and Visions on PV Systems, High Power Density Converters and its Integration to Grid will be covered by top experts from the industry mainly. The session will end with a second keynote on Future Grids and the corresponding round table.

Several cultural events, social activities, gala dinner and tours for accompanying persons will be carefully arranged during the conference days. A beautiful environment invites to all kinds of excursions and visits. Friday is allocated for industrial tours. The modern airport of Barcelona offers the possibility of many direct scheduled flights to a wide range of European and worldwide destinations. The town is also the hub of a vast national and international rail network and maritime connections, providing many convenient options for passenger services.

While enjoying our meeting through the unique international event of EPE 2009 in a pleasant atmosphere, we hope you can spend some extra time in Barcelona and surroundings. The city is beautiful and lively, steeped in history and rich in great experiences, located in the heart of Catalonia, by sea side and near the charming province capitals of Girona, Lleida and Tarragona.

We are looking forward to welcoming you all in Barcelona!



Joan Peracaula
Honorary Chairman



Enrique J. Dede
Conference Chairman