

IEEE VPPC 2010

Vehicle Power and Propulsion Conference
September 1-3, 2010 – Lille, France

Clean Tech for Transportation

<http://www.vppc2010.org/>



Special Session on

POWER ELECTRONICS FOR AERONAUTICS AND AEROSPACE APPLICATIONS

Co-Chairs:

Prof. Pat WHEELER, University of Nottingham (UK)

Email: Pat.Wheeler@nottingham.ac.uk

Dr. Christophe SAUDEMONT, HEI and Laboratory of Electrotechnics and Power Electronics - Lille (F)

Email: christophe.saudemont@hei.fr

Call for Papers

The use of power electronics in aerospace applications is becoming widespread. Thanks to the progress in power electronic technologies which are making equipment more reliable and able to perform high power conversion, there are more and more applications in future aircraft designs. The More Electric Aircraft (MEA) concept, for example, is a growing trend, where electrical power will replace mechanical, hydraulic and pneumatic systems. To increase the energy efficiency and performances while improving system reliability is one of the major aims of future research in this area.

Topics of interest include, but are not limited to:

- Power electronic converters
- Power generation
- Starter/generators
- Motor Drive and actuation systems
- Design, modeling and control of new actuators
- Electrical energy distribution and stability
- On-board energy management
- Energy storage technologies for aeronautics and aerospace applications
- Modeling and Simulation of electrical equipment and systems
- Electromagnetic compatibility in aircraft and aerospace applications
- Fault tolerance and diagnosis/prognostic techniques
- Electrical protection

- Deadlines -

Submission of abstracts:	March 30, 2010
Notice of acceptance:	April 15, 2010
Submission of full papers:	June 15, 2010
Deadline for registration:	July 30, 2010

All the instructions for abstracts are included in the conference website <http://vppc2010.org/> :

- Special Session title, paper title, authors, affiliation(s), mailing and e-mail address(es),
 - Corresponding author clearly identified,
- Abstract of 100-300 words and a digest of 3-5 pages.