



IEEE Vehicle Power and Propulsion Conference October 27-30, 2014, Coimbra, Portugal

<http://www.vppc2014.org/>

Special Session on

CONTROL STRATEGIES OF FUEL CELL VEHICLES

ORGANIZED BY MEGEVH, FRENCH NETWORK ON HEVS

Chairman: Dr. Samir Jemeï, University of Franche-Comté (France)

samir.jemei@univ-fcomte.fr

Co-chair : Pr. Loïc Boulon, Université du Québec à Trois-Rivières (Canada)

boulon@uqtr.ca

Call for Papers

One of the key issues in the development of Fuel Cell System (FCS) is the control design in order to maximize the efficiency, the reliability, the power and/or the lifetime of the device. Several technics has been proposed and are currently developed, from the physical model based control to the pure artificial intelligence approach. They each present their advantages and drawbacks and can be properly used in several cases.

Moreover the global energy management (power sharing between the energy sources) of a Fuel Cell Vehicle (FCV) leads to various energetic performances and implies consequences on device ageing.

The aim of this special session is to offer an international and up-to-date exchange forum for FCS and FCV experts.

Topics of interest include, but are not limited to:

- Fuel Cell Systems & Fuel Cell Vehicles
- Model based control & Energy management
- Power Sharing in Energy Storage System
- Online identification & Adaptive control
- Online optimization
- Maximal Power and/or Efficiency Point Tracking
- Fault Tolerant Control
- Multi-Fuel Cell Systems
- Ageing degradations and diagnostic tools.

Deadlines:

Submission of abstracts: April 15, 2014

Notice of acceptance: May 18, 2014

Submission of full papers: July 1st, 2014

Deadline for registration: August 31, 2014

All the instructions for abstracts are included in the conference website <http://www.vppc2014.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.

