

**IEEE VPPC 2010**

Vehicle Power and Propulsion Conference  
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**Clean Tech for Transportation**

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



## Special Session on

### **ELECTRIC VARIABLE TRANSMISSION AND SIMILAR CONCEPTS FOR HEV APPLICATIONS**

**(within the framework of MEGEVH, French Network on HEVs)**

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## Call for Papers

Many novel powertrain concepts have been presented to achieve more efficient and more functionally integrated solutions for hybrid electric vehicles (HEVs). As one of these innovations, Electric Variable Transmission (EVT) has gained more and more attention. Integrating two electric machines, EVT not only implements a transmission of the engine power as well as the speed and torque changes, but also opens a gate enabling the input and output of electric power. These features make EVT a competitive series-parallel HEV solution with a highly integrated function of continuously variable transmission, starter and generator, etc. Based on different principles and structures, various EVT concepts could be found as well as potential applications. However, many issues are still in front of us. This special session aims to present the latest progress in EVT and other similar researches as well as challenges and trends.

Topics of interest include, but are not limited to:

- Various EVT Concepts: Topology, Principle, Control, and Application
- Modeling, Simulation, and Dynamics
- Energy Management Strategy Development
- Machine Design and Thermal Analysis
- Power Electronics Interface for EVT Storage Systems
- Optimization

#### **- Deadlines -**

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

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.