

**Monday May 11th, 2009
2:30 - 4:00 pm,**



University of Lille 1, Sciences and Technologies (France),

**“Improving the life, safety and capacity of Lithium-ion batteries
in Plug-in Hybrid Electric Vehicles”**

Dr. Chris MI,

Associate Professor, Ph. D, University of Michigan -Dearborn, USA

This lecture has been organized in the framework of the French Chapter of IEEE VTS. It has attracted over 25 attendees and most of them are Master and PhD Students. During the lecture, Prof. Mi has shared its experience on the use of Li-ion batteries for Plug-in HEVs (Hybrid Electric Vehicles). The first part was focused on the characteristics of this new kind of batteries, especially the risk of damage. The second part dealt with the balancing systems that are required for battery packs. The last part was focused on the energy management system and some realizations of Plug-in HEVs using Li-Ion batteries.

A long discussion has been engaged after the presentation, which proves the interest of the attendance on the insertion of these new batteries in future vehicles.

