

Friday, May 22nd 2015
Université du Québec à Trois-Rivières, QC, Canada

Niche Markets for Electric, Hybrid and Hydrogen Vehicles

organized within the framework of the **VPP Technical Committee** of IEEE VTS,
within the St Maurice Section of IEEE,

Chair: Prof. Loïc Boulon, Université du Québec à Trois-Rivières, IEEE-VPPC15 General Chair

The 2015 annual international workshop of the VPP TechCom will be held in Trois-Rivières, QC, Canada. This workshop aims to propose state-of-the-art in the fields of Electric Vehicles (EVs) and Hybrid Electric Vehicles (HEVs). New development challenges will be presented and discussed by international recognized scientists.

Provisional Program (5h45 of scientific presentations and technical visit)

8h30 – Welcoming Remarks

Vice-Rector Robert W. Mantha, (UQTR, Canada, Vice-Rector - Research)

8h45 – Introduction to IEEE, Vehicular Technology Society, and VPP Technical Committee

Prof. Fabrice Labeau (McGill University, Canada, President of IEEE VTS)

Prof. Alain Bouscayrol (University of Lille, France, Chair of the VPP Technical Committee)

9h15 – Industrial and Academic networks related to Niche Market Electric Vehicle in Québec and Canada

Dr. Josipa Petronic (McMaster University, Electric Mobility Canada, Canada)

Dr. Alexandre Beaudet (Program Manager of the Inno-VE research consortium, Canada)

9h45 – R&D of the Canada Research Chair in Electrical Energy Conversion and in Power Electronics

Prof. Kamal Al Haddad (Ecole de Technologie Supérieure, Canada)

10h15 – coffee break

10h45 – Implementation of a battery / fuel cell / ultracapacitor configuration into a heavy-duty vehicle (ECCE)

Prof. Daniel Hissel (University of Franche-Comté, France, Director of the FC Lab research federation)

11h15 – R&D on vehicular technologies at Université de Sherbrooke

Prof. Maxime Dubois (Université de Sherbrooke, Canada, Chair of the VPPC15 Tech. Prog. Com.)

11h45 – Smart charging and the total cost of ownership of electric vehicles

Prof. Ghanim Putrus (University of Northumbria at Newcastle, UK)

12h15 – Lunch

13h15 - Visit of the Hydrogen Research Institute

14h15 – Adaptive Soft-Computing Techniques for Electric Vehicle Applications

Prof. Hicham Chaoui (Tennessee Technological University, USA)

14h45 – Energy Sources of the Niche Market Vehicles: Modular design and Winter condition performances

Prof. Loïc Boulon (Université du Québec à Trois-Rivières, Canada)

Prof. Souso Kelouwani (Université du Québec à Trois-Rivières, Canada)

15h15 – Full-electric off road vehicle (ATV). Driving green in the natural environment. A case study.

Prof. Claudio Rossi (University of Bologna, Italy)

15h45 – End of the Workshop

Registration

This workshop is open for free to industrials and researchers, but also to PhD and Master students.

Meeting Organizers: Prof. Loïc Boulon & Prof. Souso Kelouwani (UQTR)

Location : [UQTR campus / 3351, boul. des Forges, C.P. 500, Trois-Rivières \(Québec\) G9A 5H7](#)
[1006 Pavillon Pierre Boucher](#)

Registration required. Deadline: May 15th, 2015. Please confirm you venue to: workshop@vppc15.org