2 Metaheuristic Optimization for Backstepping Control and Inversion Based Control from EMR for an Electric Vehicle
Maude Blondin, University of Florida; Clement Depeure, Pierre Sicard, Université du Québec à Trois-Rivières

3 Fuel Efficiency Optimization Methodologies for Series Hybrid Electric Vehicles
Boli Chen, Simos A. Evangelou, Imperial College London; Roberto Lot, University of Southampton

4 Intelligent Energy Management of Vehicular Solar Idle Reduction Systems with Reinforcement Learning
Seyed Mohammad Hosseini, Mehdi Maatallah Majdalani, Nasser L. Azad, John A. Wen, Atrid Kothandaraman Raghavan, University of Waterloo

Tuesday, 28 August 2018 16:00-17:30 Room 4K
RT1-2: Energy Storage and Generation, Components and Systems III
Chairs: Ricardo de Castro & Marcello Canova

1 Battery Pack Sizing Method - Case Study of an Electric Motorcycle
Félix-Antoine LeBel, Louis Pelletier, Pascal Messier, Université de Sherbrooke, Joao Pedro Trovato, University of Sherbrooke

2 Smart Balancing Control of a Hybrid Energy Storage System based on a Cell-to-Cell Shared Energy Transfer Configuration
Claudia Pinho, FEUP, Ricardo de Castro, German Aerospace Center (DLR), Jorge Varela Barreras, Oxford University, Rui Esteves Araujo, University of Porto, David A. Howey, Oxford University

3 Using Pixel Array Method to Optimize Battery Remaining Useful Life Model
Jide Lu, Jean Andrian, Florida International University

4 Design of a High Performance Battery Pack as a Constraint Satisfaction Problem
Louis Pelletier, Félix-Antoine LeBel, Ruben Gonzalez-Rubio, Marc-Andre Roux, Université de Sherbrooke, Joao Pedro Trovato, University of Sherbrooke

1 Optimized Fuzzy Thermal Management of an Open Cathode Fuel Cell System
Mohsen Kandilaynet, Alvaro Omar Macias Fernandez, Université du Québec à Trois-Rivières, Leic Boulon, Sasso Koulouvaris, Université du Quebec à Trois-Rivières

2 Ageing integration in PEMFC range extender model for on-board prognostic applications
Raffaella Petrone, FEMTO-st, Univ. Bourgogne Franche-Comté, Nadia Steinr, Daniel Hüssel, University of Bourgogne Franche-Comté; Marie Cecile Pera, Univ. Bourgogne Franche-Comté, Noëlle Dzerhouni, FEMTO-ST Institute, Univ. de Franche-Comté/INRS/EN3M, Samir Jemel, University of Franche Comte, Stefan Hemmer, EirlingKlinger AG, Rudi Bouwman, VDL-ETN

3 Sizing of fuel cell - ultracapacitors hybrid electric vehicles based on the energy management strategy
Javier Solano, Ricardo Dominguez, Andries Jaceome, Universidad Industrial de Santander

4 On The Design of a Hybrid Fuel Cell – Battery Genset for a Refrigerated Semi-Trailer Truck
Negel Marx, Daniel Hüssel, Elodie Pabon, University of Bourgogne Franche-Comté, Fabien Harel, IFSTTAR

5 The Security Issues of Modern In-Vehicle Networks
Wu Yan, Lifang Wang, Li Fang, Yanjie Guo, Institute of Electrical Engineering, Chinese Academy of Sciences

6 Slip Ratio Estimation for Traction Control of Electric Vehicles
Thanh Vo-Duy, Minh C. T. Ha, Hanoi University of Science and Technology

7 An examination of vehicle spacing to reduce aerodynamic drag in truck platoons
Vasudev Vohra, Mohamed Wahba, Sean Brennan, Rui Ni, Golkan Akarslan, Pennsylvania State University

8 Fuel Economy and Naturalistic Driving for Passenger Road Vehicles
Xingda Yan, James Fleming, Roberto Lot, University of Southampton

14 The 15th IEEE Vehicle Power and Propulsion Conference VPCC2018 Chicago Programme