



MDEC Diesel Workshop

Hilton Toronto Airport Hotel, Ontario, Canada

Thursday, October 4, 2018

07:30 – 08:00	WORKSHOP REGISTRATION & BREAKFAST
08:00 – 13:15	WORKSHOP “BATTERY TECHNOLOGY – LITHIUM ION CELLS”
	Welcome – David Young, Co-chair MDEC Conference
	Introduction of speakers - Bapi Surampudi, Ph.D., Staff Engineer (Southwest Research Institute, San Antonio)
08:15 – 8:45	Overview of Automotive xEV markets and vehicle electrification
08:45 – 9:45	Overview of fundamentals and state of the art Lithium Ion Cells
09:45 – 10:15	Benchmarking of Lithium Ion Cells
10:15 – 10:30	Break Time
10:30 – 10:45	Benchmarking of Lithium Ion Cells (continued)
10:45 – 11:30	Case Study: Diesel Engine Accessory Electrification on a Class 8 Truck
11:30 – 12:15	Testing of Electrified Powertrains at Southwest Research Institute
	LUNCH
12:45 – 13:15	Q&A
13:15 – 16:30	WORKSHOP “DIESEL ENGINE TECHNOLOGY & DPF STRATEGIES & GUIDLINES”
13:15 – 14:30	Enabling Technologies - Diesel through hybrid, Evelyn Stirling (Cummins)
	Break Time
14:45 – 15:30	Retrofit of DPF Technology to Mining Engines – Technical Aspects, Sean McGinn (MKNIZD Factors Inc)
15:30 – 16:15	Experiences of VERT in DPF- retrofitting and I&M, Professor Jan Czerwinski (AFHB)
16:15 – 16:30	Q&A, Adjournment