



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 Environmental and Safety testing of Lithium Ion Packs at SwRI
- 12:15 – 12:45** **LUNCH**
- 12:45 – 13:15 Q&A
- 13:15 – 16:30** **WORKSHOP “DIESEL ENGINE TECHNOLOGY & DPF STRATEGIES & GUIDELINES”**
- 13:15 – 14:30 Enabling Technologies - Diesel through hybrid, Evelyn Stirling (Cummins)
- 14:30 – 14:45** **Break Time**
- 14:45 – 15:30 Diesel Particulate Filters Strategies – technical aspects, Sean McGinn (MKNIZD Factors Inc)
- 15:30 – 16:15 VERT Best Practice Guidelines, Diesel Particulate Filters, Professor Jan Czerwinski (AFHB)
- 16:15 – 16:30 Q&A, Adjournment