

Workshop on Future of DC Distribution Systems for Stationary and Mobile Applications

Day 1: Wednesday October 2nd

Conference Room: NREL IBRF Building

Start	Item
8:15	Participants Check in at NREL East Security Entrance for Shuttle to IBRF Conference Rooms at NREL & Breakfast
9:00	Welcome – Context for the Workshop and Agenda Review. <ul style="list-style-type: none"> NREL: <i>Andrew Meintz</i> and <i>John Farrell</i> Eaton: <i>Brian Carlson</i> and <i>Calvin Zhang</i> Introduction to Workshop: <i>Vijay Bhavaraju</i>
9:30	Panel 1 - Current State-of-the-Art of Stationary DC Distribution Moderator: <i>Xin Zhou</i> <ol style="list-style-type: none"> DC Distribution and Protection in Industrial Applications – <i>Florian Schroeder</i> (Eaton) EV DCFC Systems – <i>Vic Shao</i> (DC Grids) Architectures for EV DC Charging – <i>Andrew Meintz</i> (NREL) Status of MVDC Technologies – <i>Prasad Kandula</i> (ORNL) DC for Datacenter – <i>Vijay Bhavaraju</i> (Eaton)
10:30	Panel 1: Interactive Conversation All Participants
10:50	Coffee Break
11:10	Panel 2 - Current State-of-the-Art of Mobile DC Distribution Moderator: <i>Kevin Walkowicz</i> <ol style="list-style-type: none"> Army Onboard Vehicle DC Systems – <i>Aric Haynes</i> (GVSC) Onboard Power Distribution & Protection – <i>Mark Van Wingerden</i> (Eaton) Shipboard DC Architecture – <i>Gunner Sanders</i> (Cardinal Engineering) More Electric Aircraft DC Systems – <i>Armen Baronian</i> (Eaton)
12:10	Panel 2: Interactive Conversation All Participants
12:30	Lunch break
1:30	Panel 3 - Technical Challenges in DC Distribution Architectures - Stationary and Mobile Moderator: <i>Sudipta Chakraborty</i> <ol style="list-style-type: none"> EV Charging Infrastructure Design – <i>Chris Rogge</i> (Black & Veatch) Heavy Duty EV Site Development – <i>Victor Atlasman</i> (WattEV) MVSST – <i>Adel Nasiri</i> (University of South Carolina) High-Power Electric Vehicle Charging Hub Integration Platform (eCHIP) – <i>John Kisacikoglu</i> (NREL)
2:30	Panel 3 - Interactive Conversation All Participants
3:00	Break
3:20	Panel 4 - Technical Challenges in DC Solid State and Hybrid Breakers – Stationary and Mobile Moderator: <i>Andy Rockhill</i> <ol style="list-style-type: none"> Fuses for DC Protection – <i>Robert Douglass</i> (Eaton) Solid State and Hybrid Switches for DC – <i>Florian Schroeder</i> (Eaton) Metering for DC – <i>Praveen Suttrave</i> (Eaton) Devices for Solid State and Hybrid Breakers – <i>Faisal Khan</i> (NREL)
4:20	Panel 4: Interactive Conversations All Participants
4:50	Closing comments/Summary – Calvin Zhang / Brian Carlson
5:00	Adjourn
5:30	Travel to Dinner
6:00	Eaton Hosted Dinner

Day 2: Thursday October 3rd

Location: NREL's FLATIRONS campus

Start	Item
8:30	Meet at NREL's FLATIRONS campus and check-in (Address: 19001 W 119th Ave, Arvada, CO 80007)
9:00	FLATIRONS Campus tour starts
10:30	End of tour