

**FLORIDA
AUTOMATED
VEHICLES**



2017
FLORIDA AUTOMATED VEHICLES
SUMMIT

NOVEMBER 14-15 | GRAND HYATT TAMPA BAY | FAVSummit.com



ACES Breakout Session

Electric Vehicles

The Logical Platform for Autonomous Transportation

Drive Electric Florida



Electric Vehicle Transportation Center

Doug Kettles

Drive Electric Florida

Electric Vehicle Transportation Center



*Electric Vehicle Transportation Center
University of Central Florida*

EVs-The Logical Autonomous Platform



Tesla Autopilot

EVs-The Logical Autonomous Platform

Inductive Charging (AKA, Wireless)

- ▶ *Stationary Application Stats*
 - ▶ *Power transfer efficiency 90%*
 - ▶ *3.3-20kW power*
 - ▶ *SAE TIR J2954, IEEE C95.1-2005 (EMF exposure)*
- ▶ *Commercially Available*
 - ▶ *Plugless*
 - ▶ *Qualcomm HALO*
 - ▶ *WiTricity*
- ▶ *Dynamic Inductive Charging*
 - ▶ *Up to 20kW at highway speed*
 - ▶ *Utah State University*
 - ▶ *Qualcomm/VEDECOM, France*
 - ▶ *England*



Speakers

Doug Kettles – SR. Research Analyst, EVTC

Dale Hill – Founder, Proterra Electric Bus

Frank Jackalone – Director, Florida Sierra Club

*Amitai Bin-Nun – VP, Autonomous Vehicles & Mobility Innovation
Securing America's Future Energy (SAFE)*

FLORIDA AUTOMATED VEHICLES

