



IEEE

IEEE **Edmont Potential**

A publication of the IEEE Piedmont Section - May 2011

<http://www.ewh.ieee.org/r3/piedmont>

NEXT MEETING

May 26, 2011

The First IEEE International Electrical Vehicle Conference

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The First IEEE International Electrical Vehicle Conference will be held in Greenville, South Carolina March 5 – 8, 2012 at the Carolina First Center. During the first three days of the conference, technical sessions will discuss various aspects of electric vehicles. The fourth day of the conference will feature tours of some of our local automotive industry.

As we experience \$4/gallon or higher gas prices, electric vehicles are increasingly becoming a viable alternative to gasoline powered vehicles. Electric Vehicles involve many different technical areas. The obvious areas are batteries and electric motors. Then, we move to charging stations. Charging stations impact the power grid and building design and range from being at your home, to work, and even public parking. This new demand on the

power grid also has implications for the Smart Grid initiatives.

The Nissan Leaf, an all electric vehicle with a 100 mile range, also comes standard with GPS. Electric vehicles need GPS to help owners determine where the next charging station is located. This impacts the wireless connections of the vehicle and how it interfaces with the Internet.

The 2012 IEEE International Electric Vehicle Conference offers great opportunities for Upstate South Carolina and the Piedmont Section of IEEE.

Meeting details:

6:30 Social ½ hour and meal

7:00 Meeting begins

Place:

The meeting is at the Campbell Graduate Engineering Center (CGEC) at Clemson ICAR (International Center for Automotive Research) in Greenville, SC. Upon arrival, walk up the curved ramp to the entrance.

Either someone will be at the door to let you in or a cell phone number to call will be posted on the door and one of us will come down and open the door and direct you to the room. We'll be in Room 401 in the CGEC.

All members and guests are welcome to the meeting, either for dinner or the presentation only. Dinner costs \$5 for members and guests and N/C for students and unemployed members.

Directions:

From I-85, take Exit 48A (Laurens Road or US 276) southbound. Once on Laurens Road, take the first left (at the traffic light) onto Millennium Boulevard. Turn left onto Research Drive. The parking deck is on your left and the CGEC is on your right.

Map:

<http://www.clemson.edu/centers-institutes/cu-icar/campus/map.html>

Parking is in the deck which is called the "CU-ICAR Partnership Office" on this map.

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