

First Call for Papers:

The 2012 IEEE International Electrical Vehicle Conference (IEVC)

Technology, Engineering, Standards – Challenges and Opportunities

March 4-8, 2012

Greenville, South Carolina, USA

Sponsored by IEEE and CUICAR (Clemson University International Center of Automotive Research)

The first IEEE International Electrical Vehicle Conference provides a true cross-organizational platform to exchange information among thought leaders of the fast-growing electric mobility ecosystem and to discuss new trends in technology, engineering, standards and deployment aspects on a global scale. IEVC is a venue for electrical vehicle engineers, component and infrastructure system developers, manufacturers, utility experts, corporate executives, technical analysts, researchers, educators, entrepreneurs, venture capitalists, legislators, regulators and standardization experts to share a joint interest in the transformation of the transportation industry via electrification.

Of specific interest for this conference are papers related but not limited to the following areas:

- EV system architecture concepts for passenger, service and utility vehicles (BEV, PHEV, HEV, FCEV)
- Innovations in EV component design
- EV motor drives and controllers
- EV high voltage wiring
- Heating and cooling systems for EV's
- Innovations in EV energy storage solutions (e.g. battery chemistry, ultra capacitor, fuel cell, battery management system)
- EV systems modeling, simulation and testing
- AC and DC conductive charging, wireless charging, smart charging, fast charging
- Power grid and renewable energy resource interfacing for EV mass deployment
- Design for manufacturing for EV mass production
- EV fleet and infrastructure asset management
- Design for EV maintainability
- Information Technology and Communication services for the EV ecosystem
- Global standards development for EVs and their impact on EV deployment, R&D and manufacturing
- Trends in EV deployment, supply chain and manufacturing
- EV-related educational programs for engineers, legislators and the public

More information on technical sessions, registration for the conference, paper submission, hotel reservations and the conference location is available on the IEVC 2012 website at <http://electricvehicle.ieee.org/>.

Extended abstract submission deadline is October 15, 2011.