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# Electric Vehicle and Roadway Conference to Showcase Wireless Charging | College of Engineering

**05/08/2016**

NEWS RELEASE – May 8, 2016 – The fourth annual Conference on Electric Roads & Vehicles (**CERV**) will showcase several exciting technologies including a first-ever demonstration of wireless charging of an electric bus in motion.

## Quick Read:

- **CERV 2016** is May 16-17 in Logan, Utah (1.5 hours north of Salt Lake City).
- Automotive industry leaders and engineering experts will discuss electric vehicle and electrified roadway concepts and technologies.
- Keynote address by Jesse Schneider (BMW), Chair, SAE J2954 Wireless Power Transfer Taskforce.
- On-site demos include wireless charging of an in-motion electric bus and live remote-controlled operation of a 'hacked' Ford Focus at USU's quarter-mile-long electric vehicle test track.
- Media representatives are encouraged to attend and will pay no registration fees.

Organizers will welcome automotive industry leaders and academic experts from around the world for the two-day conference at Utah State University in Logan, Utah, May 16-17. The event will feature 12 panel and presentation sessions with industry leaders and experts discussing wireless power and related innovative charging systems for electric vehicles.



*First-ever demo of in-motion wireless charging planned for May 16.*

Previous CERV events were held in Park City. This year's conference will take place in Logan to showcase USU's new Electric Vehicle and Roadway, or EVR, research facility and test track. Participants will tour the EVR facility on Monday, May 16 at 5 p.m. Other demos and presentations include:

- First-ever in-motion charging demonstration of an electric bus with peak power of 25 kW.
- Platooned operation of a fleet of robots that simulate platooning passenger vehicles.
- Remote controlled operation of a "hacked" commercial Ford Focus vehicle.
- Advanced battery management systems for electric vehicles and related vehicle power electronics demonstrations.
- Concrete structure and material considerations for electrified roadways.

- Techno-economic analysis, environmental impacts and traffic modeling.

CERV co-chair and professor of electrical and computer engineering Regan Zane, says the event provides scientists, engineers, managers, policymakers, investors and other interested stakeholders a forum to learn about and discuss new power transfer technologies and their applicability to vehicle transportation.



*Organizers will demonstrate computer security concepts with a remote-controlled Ford Focus.*

“Electricity has a unique ability to transform travel but will likely need to extend beyond charging batteries in parked vehicles using conventional plug-in systems,” he said. “CERV provides a venue for us to explore technologies that deliver energy in an automated fashion either wirelessly or through other novel conductive approaches, on demand, in real time, and to both stationary and moving vehicles.”

CERV events will take place at the [University Inn and Conference Center](#) on the USU Logan campus. Vehicle and power demonstrations will take place at the nearby [EVR facility](#). Transportation to and from the EVR will be provided. Members of the media are welcome to participate free of charge, and transportation and technology correspondents are especially encouraged to attend.

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**General Conference Questions:**

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