UNIVERSITY of WASHINGTON
CIVIL & ENVIRONMENTAL ENGINEERING

PACTRANS SEMINAR SERIES

Date: Wednesday, February 27th 2013
Seminar: 4:00 – 5:00 P.M.
Location: Electrical Engineering Building Room 105
UW Seattle Campus

Reception: 5:00 – 5:45 P.M.
Location: More Hall 101, UW Seattle Campus

Jointly organized by

The Pacific NW Transportation Consortium
USDOT UTC for Federal Region 10

Dept. of Civil and Environmental Engineering
University of Washington

Presentation Title:

Electric Vehicles and Life Cycle Assessment

Abstract

With an increasing number of states mandating the sale of zero emissions vehicles, manufacturers are responding in part by developing electric or battery hybrid vehicles. While widespread use of electric vehicles has the potential to reduce tailpipe emissions, the full environmental cost of producing and operating battery powered vehicles must be considered. This talk discusses the potential environmental impacts of battery powered motor vehicles, including earlier lead acid battery versions and new battery chemistries. Barriers to widespread adoption are also discussed.

Speaker

Dr. Chris T. Hendrickson

Chris Hendrickson is the Duquesne Light Company University Professor of Engineering, Co-Director of the Green Design Institute at Carnegie Mellon University, member of the National Academy of Engineering and Editor-in-chief of the ASCE J. of Transportation Engineering. His research, teaching and consulting are in the general area of engineering planning and management, including design for the environment, project management, transportation systems, finance and computer applications. Prof. Hendrickson is member of the National Academy of Engineering, a Distinguished Member of the American Society of Civil Engineering, an Emeritus Member of the Transportation Research Board and a Fellow of the American Association for the Advancement of Science.

For questions, please contact Ms. Meghan MacKrell, assistant director for PacTrans at
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