



American Society of Mechanical Engineers - Fox Valley Section

Plug-in Hybrids: What Have We Learned

Presenter: Glenn Keller
Manager Vehicle Systems Group, Argonne National Laboratory

Holiday Inn, Willowbrook, IL
Wednesday, April 16, 2008

This presentation will provide a description of plug-in hybrid electric vehicles (PHEVs) and their comparative benefits over standard hybrids. Argonne's Center for Transportation Research is the U.S. Department of Energy's lead lab for PHEV R&D. Argonne maintains a state-of-the-art precision 4WD chassis dynamometer capable of measuring near zero emissions and multiple high speed data acquisition devices for monitoring sets of torque sensors and current flows on the advanced hybrid vehicles being developed there. We will summarize what we have learned about PHEVs and their attributes and peculiarities. In addition, we will share some insights on the short term hurdles to wide spread consumer acceptance.

Glenn Keller is from the Center for Transportation Research at Argonne National Laboratory. He is acting Section Manager for the Vehicle Systems Group and also the Program Manager for the 21st Century Truck Partnership. Each of these activities are sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy and are concerned with improving the fuel economy, safety and exhaust emissions of our nation's transportation fleet.

Glenn has a history of involvement within the automotive industry in engine design and development while employed with Ford Motor Company, and in the heavy-duty vehicle industry as well, having served as the Executive Director of the Engine Manufacturers Association (EMA) for thirteen years before moving to Argonne.

Glenn received his BS degree in mechanical engineering from the Illinois Institute of Technology in Chicago, and also has an MBA degree in marketing and finance from the University of Michigan in Ann Arbor.

LOCATION AND DIRECTIONS:

Holiday Inn Willowbrook, 7800 Kingery Highway (Route 83), Willowbrook, IL is at I-55 and Route 83 (Northeast quadrant). Exit I-55 to Route 83 going north. The hotel will be on your right (East side of Route 83). See map below.

SCHEDULE: 5:30pm Registration, Hospitality Hour 6:30pm Dinner 7:30pm Presentation

DINNER: Includes fruit cup, salad, vegetable, dessert and choice of entrée:

- Breast of Chicken Piccata
- Roast Pork Loin w/Roasted Garlic Sauce
- Vegetarian Pasta Primavera

COST: \$25.00 payable at the door, **by check or cash only.**

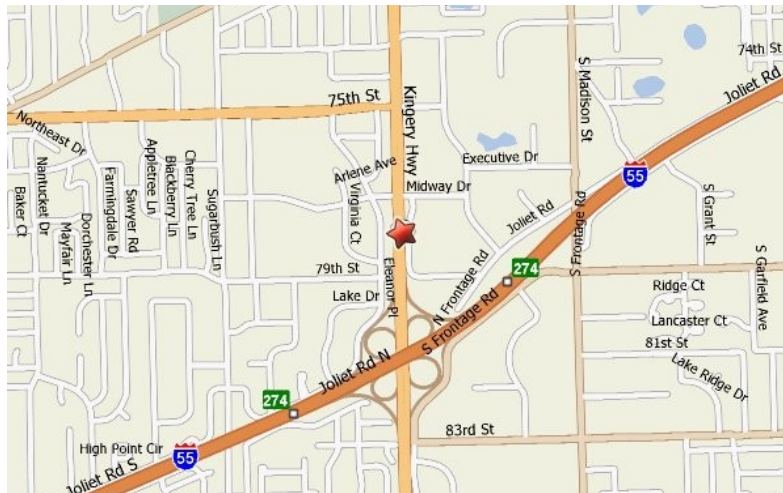
RESERVATIONS:

Send e-mail to mmurray@packereng.com with the subject "**ASME Meeting**" and include your name, phone number, ASME membership number, company name, address and choice of entree. If you do not

have e-mail access, call (630) 505-5722, and leave a message stating this is a reservation for the ASME Meeting on April 16th and include the above information. If bringing a guest, provide the full name of the guest along with the other information required above.

DEADLINE:

5:00 P. M. on Monday, April 7, 2008. Please cancel if your plans change. Reservations not cancelled by the deadline may be invoiced cost of dinner.



ASME Section Donations

On the most recent membership renewal form, members were able to make voluntary donations to their local unit and their primary technical division. Fox Valley Section did receive the money you donated. Thank you to all of the members who made voluntary donations to our section when you renewed your membership. Please be assured your donations will be put to good use in supporting our local programs.

May 14 Meeting - Tour of CNH Burr Ridge Facility – Mark your calendar as CNH, better known as Case to most of us, will host a tour of their facility, which will include their Virtual Reality laboratory. We think you will find this to be of interest. The details of the May 14 tour will be in our next newsletter.