

Association of Energy Engineers
www.aetarheel.org



Association for Facilities Engineering
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April 15 Meeting Summary

Many thanks to Eric Soderberg and Jim Haven for providing the AFV program and meeting space. Thanks also to Western Wake Fire Department for use of their facility. Special thanks go to Jack Martin of ASU for bringing his electric go-cart; to Jon Mauny of TEAA for displaying his electric car and scooter; to Rita Joyner of NC State Energy Office for bringing the Prius; and to the members of AFV for sharing the meeting with us.

Reminders

1. Mark your calendars for **June 10, 2002** for the **1st Annual HVAC Expo** to be held at the McKimmon Center in Raleigh. Exhibitors, presenters and networking will be the order of the day. Lunch, snacks, and a light dinner will be followed by a keynote speaker on Building Commissioning. Its all free to participants thanks to the sponsors and vendors. To register, send email to bgilbert@johnston.k12.nc.us or fill out the enclosed registration form and mail by May 31.
2. We need your updated email address so we can send newsletters and other information to you. Please send your correct email address to jim_haven@ncsu.edu

Officers

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Next Meeting: Monday, May 20, 2002, 6:00 PM
Location: Gregory Poole Power Systems
4807 Beryl Road
Raleigh, NC 27606

Title: "Energy Cost Savings with CHP (Combined Heat & Power) - Solar Gas Turbines or Peak-Shaving Caterpillar"

Presenter: Günther H. Kraus
CPB Power Systems

Host: Phil Hatcher, Territory Manager

Are you familiar with CHP or Solar gas turbine systems and its benefits? Probably like me you are not. You won't want to miss this meeting with Günther Kraus as he introduces and initiates a training process for the engineering community engaged in the process of power generation, heat recovery and transfer, distribution and management. Educated engineers, energy managers and end-users, knowledgeable of the ever-present changes of CHP technology and associated economics, are the most effective stewards of our energy resources. Come find out what it is all about Monday, May 20 at 6:00 PM. Light dinner served so please *RSVP* to Jim Haven (919)515-8511 or email at jim_haven@ncsu.edu.

Directions to CAT Gregory Poole

Exit 440 on Hillsborough St. toward the NC State Fairgrounds. Turn left at Blue Ridge Road, cross the tracks, and right on Beryl Road. Gregory Poole is on the left with a lot of yellow machinery in the yard.

Bio for Günther Kraus

Mr. Kraus has recently been hired by CPB Power Systems, a team established by the Caterpillar Dealerships of North and South Carolina for the exclusive purpose of representing Solar Gas Turbine Systems - a Caterpillar company. His primary objective is to introduce the benefits of Combined Heat Power ("CHP") systems to energy intensive industries such as food processing, chemical, pharmaceutical, pulp and paper, medical centers, universities and municipal utilities and the consulting engineering communities in the Carolinas.

He has more than 25 years of domestic and international experience in the energy industry holding various senior management positions in development, application, financing and operation of investor-owned co-generation and independent power facilities. The technologies involved were primarily light and heavy fueled Diesel, Otto Cycle and Gas Turbine systems ranging from 300 KW to 180 MW.

For the past four years he was active as project consultant for a developer in Brazil with primary responsibilities for the development of 50 MW industrial CHP projects. He has been a member of AEE since 1987.

Tarheel Association of Energy Engineers Participant Registration Form

**“HVAC EXPO”
At
McKimmon Center
Gorman and Western Blvd.
Raleigh, NC
8:00 AM- 5:00 PM
Monday, June 10, 2002**

Name of Participant _____

Address _____

City/State/Zip _____

Phone _____ Fax _____

Email _____

AEE Member _____ AFE Member _____ FEMDII _____ EM2 _____ ASHRAE Member _____

Public School Maintenance _____ County _____

Sessions: There will be 2 sessions each hour for participants to attend. All sessions deal with HVAC systems and potential energy savings technologies including: using control systems (Johnson, Invensys, KMC) for efficiency and energy savings; energy savings using desiccant dehumidification; cooling with ice storage; efficient pumping packages; managing utilities before, at, and after the meter; energy savings using high efficiency boilers; potential savings using Earthwise systems; bill consolidation and savings using Facility IQ; energy savings Solar turbine combined heat power applications, and school building designs for efficient maintenance.

Please return to:

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Or email to:

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