

**Post-Graduate Research Position
Fuels, Engines, and Emission Research Center at ORNL**

The Fuels, Engines, and Emissions Research Center (FEERC) at Oak Ridge National Laboratory (ORNL) invites applications for a Post-Graduate Research Associate through Oak Ridge Institute for Science and Education (ORISE). The successful candidate(s) will perform research on advanced diesel engine emissions control technologies and/or advanced engine combustion. Emission control research for diesel engines will likely have an emphasis on understanding the effect of chemical species produced by engine control strategies on lean NO_x trap regeneration and deSulfation. Engine combustion research may include effects of fuel chemistry on advanced diesel combustion, HCCI combustion, and/or low-temperature combustion. A background in mechanical engineering, chemical engineering, or chemistry is preferred, although other disciplines might also be considered. "Hands-on" experience with one or more of the following topics is desired: engine dynamometer testing, engine controls, diesel engine testing, combustion analysis, engine modeling, catalyst testing and evaluation, emissions measurement with conventional gas analyzers (chemiluminescent, FID, NDIR, etc.), particulate measurement, exhaust speciation with FTIR gas analysis and/or mass spectrometry, data acquisition systems (LabView, Cell Assistant, etc.). The successful candidate(s) will be expected to contribute to existing research programs and will have the opportunity to add valuable experience for career development. Excellent written and oral communication skills and the ability to work in a team are essential in this multi-disciplinary area.

Applicants are encouraged to visit the FEERC website at feerc.ornl.gov to learn more about FEERC activities, facilities, and personnel. The FEERC laboratories are located at the National Transportation Research Center (a joint research facility of ORNL and the University of Tennessee) in Knoxville, TN.

Applicants cannot have received the most recent degree more than five years prior to the date of application and must complete all degree requirements before starting their appointment. Expected duration of these appointments is one year with the possibility of an extension.

Interested candidates need to apply by October 31, 2004.

For immediate consideration, send a resume and list of three or more references to the following address, or email to hummelsb@ornl.gov

Saylor B. Hummel
Oak Ridge National Laboratory
PO Box 2008
Oak Ridge, TN 37831

For technical questions regarding the position, please contact

Brian West
Oak Ridge National Laboratory at NTRC
2360 Cherahala Blvd
Knoxville, TN 37932
westbh@ornl.gov

Please reference the position title and number (**ORNL04-21-ESTD**), when corresponding about this or any other position listed on this site.

Appointments are offered through the ORNL Postdoctoral Research Associates Program (<http://www.ornl.gov/orise/edu/ornl/ornl-pd/ornlpdoc.htm>) which is administered by the Oak Ridge Institute for Science and Education (ORISE). The postdoctoral program is open to all qualified individuals without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.