



## SwRI®-led team awarded SAE Arch T. Colwell Merit Award

([PRWEB](#)) February 22, 2003 -- For immediate release

San Antonio, February 14, 2003 -- A team led by Southwest Research Institute® (SwRI) has been awarded the Society of Automotive Engineers (SAE) Arch T. Colwell Merit Award, recognizing authors of outstanding papers presented at SAE meetings.

Dr. Kent Froelund, Edwin C. Owens, Edwin A. Frame, Janet P. Buckingham (all of SwRI), John Garbak (Department of Energy), Dr. Spyros Tseregounis (formerly of General Motors R&D), and Dr. Andrew Jackson (ExxonMobil R&E) will receive the award for SAE Paper No. 2001-01-1901, "Impact of Lubricant Oil on Regulated Emissions of a Light-Duty Mercedes-Benz 0M611 CIDI-Engine." The paper describes how crankcase lubricants contribute to engine-out emissions when paired with a low particulate-forming diesel fuel. The knowledge gained from this work will be applied to solving the challenges that remain in reducing the future emissions levels of a compression-ignition, direct-injected diesel engine.

The paper was selected for the award from more than 3,000 submitted at SAE meetings in 2001. Papers were judged for their originality and for their future reference value to existing knowledge of mobility engineering. The team will receive the award during the 2003 SAE World Congress in Detroit in March.

Froelund, a senior research engineer in the SwRI Engine and Vehicle Research Division, specializes in engine oil consumption measurement using an SwRI-developed real-time oil consumption measurement technique.

As director of the U.S. Army TARDEC Research and Development Center at SwRI, Owens oversees the activities of a department charged with conducting fuels and lubricants research for the U.S. Army, Department of Defense, Department of Energy, and other government and commercial clients.

Frame serves as manager of the SwRI Fuels, Lubricants, and Fluids Applications Section. He specializes in the effects of fuels and lubricants in engines and other components and their relation to exhaust emissions.

Buckingham, a principal analyst in the SwRI Automotive Products and Emissions Research Division, provides statistical analysis and design support to a variety of research programs, ranging from emissions research to bioengineering.

-30-

SwRI is an independent, nonprofit, applied research and development organization based in San Antonio, Texas, with more than 2,700 employees and an annual research volume of more than \$339 million.



**Contact Information**

**Maria Martinez**  
Southwest Research Institute  
<http://www.swri.org>  
(210) 522-3305

**Online Web 2.0 Version**

You can read the online version of this press release [here](#).