



**Center for Transportation Analysis  
Oak Ridge National Laboratory  
2360 Cherahala Boulevard  
Knoxville, TN 37932**

**News**

CTA 11-17  
Contact: Lori Frye  
865-946-1349  
[fryela@ornl.gov](mailto:fryela@ornl.gov)  
[www.cta.ornl.gov/cta](http://www.cta.ornl.gov/cta)

### **Green Racing – from the raceway to the driveway**



September 6, 2011 – The Department of Energy, Environmental Protection Agency, and Society of Automotive Engineers are helping industry win the race to cleaner fuels and more efficient technologies through Green Racing. Launched in 2006, the initiative is designed to recognize and reward automotive manufacturers that go the farthest and fastest with the smallest environmental footprint.

“Green Racing incorporates a scoring formula developed by the working group that takes into account the amount of fuel consumed during the race, number of laps completed, speed, energy efficiency, and the amount of greenhouse gases emitted during the race,” said Energy and Transportation Science Division’s PT Jones, who was recently named DOE’s Green Racing project lead. “Technologies and fuels used by manufacturers and racing teams might range from renewable fuels and fuel blends that incorporate ethanol, biodiesel and isobutanol, to multiple propulsion systems and regenerative energy powertrains such as hybrids.”

The Green Racing Protocols, SAE technical document (J2880), were published in October of 2008. That same month the American Le Mans Series (ALMS) applied the scoring formula to the racing vehicles at Petit Le Mans, where DOE and EPA awarded the first Green Racing winners. ALMS became the first racing series to formally adopt the scoring system in 2009 in a season-long Green Challenge™ championship for teams and manufacturers.

“ORNL involvement in Green Racing is relatively new and we’re excited about the opportunity to work more closely with Argonne National Laboratory (ANL), which has played a pivotal role in Green Racing since the beginning,” said PT. Together, they are helping educate consumers at ALM races and other events using the Green Racing Simulator developed by ANL that incorporates scoring information that mirrors the metrics of the Green Challenge™ competition. In Green Racing’s future, PT foresees that ORNL expertise in engine/fuel efficiency testing and intelligent transportation technologies will come into play as DOE, EPA, and SAE continue to support industry efforts to accelerate the transfer of efficient automotive technologies from the raceway to the driveway.

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