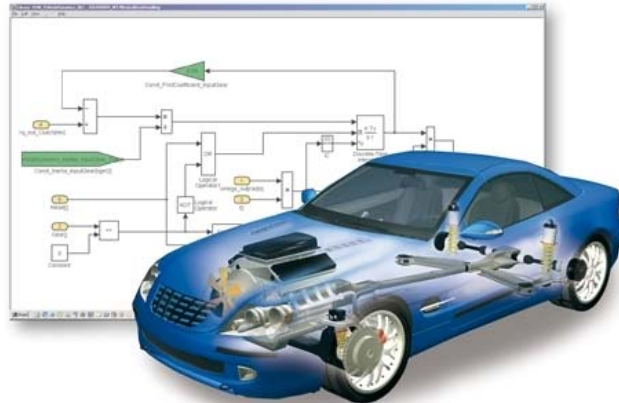


## Press Release

### **dSPACE to Award Real-World Vehicle Modeling Software Package Valued at \$100,000 to Three EcoCAR Challenge University Teams**

**Wixom, Michigan, May 20, 2009:**

dSPACE, a platinum sponsor of the EcoCAR: The NeXt Challenge North American collegiate automotive engineering competition, announced today that it will award Automotive Simulation Model (ASM) software packages valued at \$100,000 to three competing EcoCAR university teams.



The state-of-the-art simulation model packages will be presented to the top three teams who score the highest in dSPACE’s own sponsored competition – the “dSPACE Embedded Success Award.” This prize category is open to EcoCAR university teams who are using dSPACE hardware-in-the-loop (HIL) simulators to develop and refine their vehicle design control strategies. The ASM packages will be awarded to the top three teams that can demonstrate the best use of HIL simulation in developing electronic controls for their alternative vehicles.

Eligible teams will be judged during the EcoCAR Year One Competition Finals being held June 7-12 in Toronto, Canada. The winning teams will be announced at the EcoCAR Awards Ceremony on Friday, June 12.

“We are really excited to be able to offer this extensive modeling software package to three universities,” said dSPACE President Kevin Kott. “The modeling tools will be extremely valuable to the universities, giving them the capability to conduct research and development in automotive controls and systems for a wide range of vehicle applications, including powertrain development, vehicle dynamics, and the real-time simulation of vehicle electrical systems and electric drives.”

The dSPACE automotive simulation models are open Simulink models for the real-time simulation of key automotive systems such as engines and vehicle dynamics. The ASM models are used on a dSPACE simulator for HIL testing of electronic control units (ECUs) or during the design phase of controller algorithms for early validation by offline simulation.

Each winning team will be awarded an ASM package valued at up to \$100,000. The teams will have the option to select specific model components, based on their area(s) of technical interest. The schools will get to pick from the following ASM models:

- Gasoline engines
- Diesel engines
- Turbochargers
- Diesel exhaust with aftertreatment systems
- Automotive electrical system and electrical drives simulation
- Vehicle dynamics (engine, drivetrain, environment, brake hydraulics, suspension)
- Brake hydraulics

The ASM models, coupled with the donated dSPACE HIL system, will give the universities an integrated development environment that is comparable to what leading automotive OEMs and Tier1 suppliers possess, with the application coverage to address and research key areas of interest in vehicle controls and systems today.

### **EcoCAR: The NeXt Challenge**

The EcoCAR Challenge is a three-year collegiate student engineering competition that challenges 17 North American universities to reduce the environmental impact of SUVs by reducing the vehicle's fuel consumption, petroleum use and emissions, while maintaining its utility, safety and performance. The EcoCAR Challenge was established by the U.S. Department of Energy (DOE) and General Motors (GM) and is managed by Argonne National Laboratory. The competition kicked-off in September 2008 and will conclude in May 2011. Visit [www.ecochallenge.org](http://www.ecochallenge.org) for more information.

### **Company Profile – dSPACE**

dSPACE is the world's leading producer of engineering tools for developing electronic control units (ECUs) and mechatronic controls. The company is an industry pioneer that

helped launch the embedded controls development market some 20 years ago, and remains as a leading provider of solutions to this day.

Using dSPACE systems, manufacturers of controllers and electronic control units (ECUs) dramatically reduce their development times and costs, and noticeably increase their productivity. The reason is our optimum mix of standard solutions for rapid control prototyping, automatic production code generation, hardware-in-the-loop simulation, and ECU calibration. We also provide comprehensive services – from on-site training to custom engineering.

dSPACE is viewed by its customers as a high-tech market leader committed to continually investing in research and development. They also appreciate our close partnerships with them, shown by years of cooperation and the shared objective to embrace and exceed technological advancements.

dSPACE systems are distributed by our headquarters in Paderborn, Germany, and subsidiaries in the USA (Wixom, Michigan), France, the UK, Japan and China. Numerous distributors support customers all over the world. Our customer base includes nearly all major electronics suppliers and manufacturers in the automotive industry, along with prominent companies in aerospace, commercial vehicle, academia and other fields.

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