

# 2001 FutureTruck

## WITNESS THE FUTURE OF ADVANCED TRUCK TECHNOLOGY



**LIVE ON THE WEB**  
VIA [WWW.FUTURETRUCK.GM.COM](http://WWW.FUTURETRUCK.GM.COM)

*Students from 15 top engineering schools compete in developing innovative ways to improve fuel economy and reduce greenhouse gas emissions of full-size sport utility vehicles!*

### Oral Presentations Live!

From General Motors' Proving Ground  
Milford, Michigan

**June 7, 2001**

Eastern Daylight Time (EDT)

- 8:00 AM What Is FutureTruck?
- 8:30 AM Concordia University
- 9:00 AM Cornell University
- 9:30 AM George Washington University
- 10:00 AM Georgia Institute of Technology
- 10:30 AM Michigan Technological University
- 11:00 AM Ohio State University
- 11:30 AM Pennsylvania State University
- 12:00 to 1:00 PM (Break) What Is FutureTruck?
- 1:00 PM Texas Tech University
- 1:30 PM University of California, Davis
- 2:00 PM University of Idaho
- 2:30 PM University of Maryland
- 3:00 PM University of Tennessee
- 3:30 PM University of Wisconsin
- 4:00 PM Virginia Tech
- 4:30 PM West Virginia University

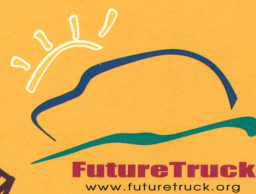
### Awards Ceremony Live!

from the Smithsonian National  
Museum of Natural History  
Washington D.C.

**June 13, 2001**

8:00 PM – 10:00 PM (EDT)

Guest Speaker, Bill Nye



U.S.  
Department  
of Energy



General  
Motors  
Corporation



Managed by Argonne National Laboratory

**Major Sponsors**  
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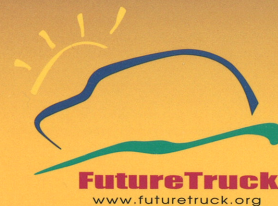
#### Competition Supporters

The MathWorks  
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and Community Affairs  
Renewable Fuels Association  
Governors' Ethanol Coalition



# FutureTruck 2001

## PATHWAY TO GREENER VEHICLES



*"Recent vehicle fuel price increases remind us that we must continue our efforts to reduce our nation's demand for oil, and electricity shortages remind us that we cannot take adequate supplies of energy for granted. Programs such as FutureTruck hold the promise of benefiting all Americans by developing new technologies that can power our vehicles, and even our homes, more efficiently in the near future."*

Thomas J. Gross  
Deputy Assistant Secretary  
for Transportation Technologies  
Energy Efficiency and  
Renewable Energy  
U.S. Department of Energy

**For information on  
FutureTruck, go to  
[www.futuretruck.org](http://www.futuretruck.org)**

For information about sponsoring  
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Please address media inquiries to:  
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(401) 732-1551  
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### **What Is FutureTruck?**

FutureTruck is a unique program that brings together the resources of industry, government, and academia to cooperatively solve important environmental and technical problems posed by the growing demand for light-duty trucks, such as pickups, sport utility vehicles (SUVs), and vans. This engineering competition challenges teams of students from 15 top North American universities to reengineer a conventional, full-size Chevrolet Suburban into a low-emission, high-efficiency vehicle – without sacrificing the performance, utility, safety, and affordability customers want. To meet these challenges, students explore cutting-edge automotive technologies, such as fuel cells and advanced propulsion systems, space age materials, and alternative fuels such as ethanol and hydrogen. All teams are using variations on the hybrid-electric design strategy.

After more than a year of preparation, the teams will travel to the General Motors Proving Ground in Milford, MI, where their vehicles will undergo more than a week of comprehensive dynamic and static testing. Awards in more than 25 categories will be announced at the Smithsonian National Museum of Natural History in Washington, D.C. The competition is June 4–13, 2001.

### **Who Is Involved?**

Headline sponsors of FutureTruck are the U.S. Department of Energy (DOE) and General Motors Corporation (GM), which are both committed to finding solutions that help increase fuel efficiency and reduce greenhouse gas emissions. DOE provides organizational, technical, and financial assistance to the competition, while GM provides a vehicle to each of the teams – as well as facilities, technical mentors, and \$40,000 in prize money. Major sponsors include the National Science Foundation, Cisco Systems, ArvinMeritor, Delphi Automotive Systems, BPAmoco, and the Aluminum Association. Over fifteen private and public organizations are partnering to support and organize this program.

Student teams include more than 250 participants from mechanical and electrical engineering, computer science, and other disciplines.

### **Why Is FutureTruck Important?**

Today, more than 50% of all new vehicle sales are light-duty trucks, which historically have been less energy efficient than cars. FutureTruck is helping redefine how industry, government, and academia can work together to develop more energy efficient and "greener" automotive technologies for trucks that help reduce our nation's dependence on imported oil, improve our environment, and keep American technology competitive on a global basis. The competition also helps create a new generation of engineers with a heightened awareness of the environmental benefits of developing energy-efficient automotive technologies.