

# *formula* **HYBRID**<sup>TM</sup>



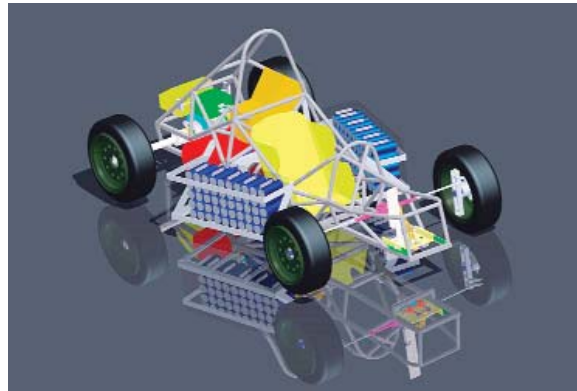
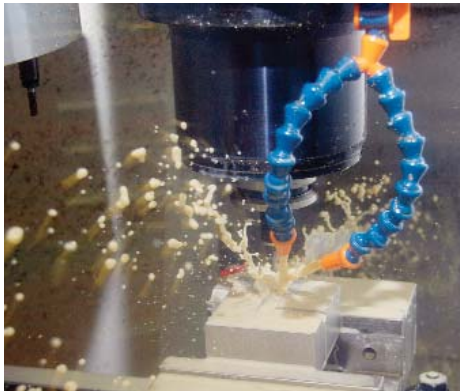
**High-power electronics**—motors, generators, controllers, regenerative braking systems, DC-DC converters

**Mechanical systems**—suspension, steering, braking, chassis design, body design, ergonomics

**Computerized systems**—data acquisition, engine and motor controls, digital systems

**Management**—project management, race strategy

## *DrivenTogether*



**Thayer School of Engineering  
Dartmouth College**

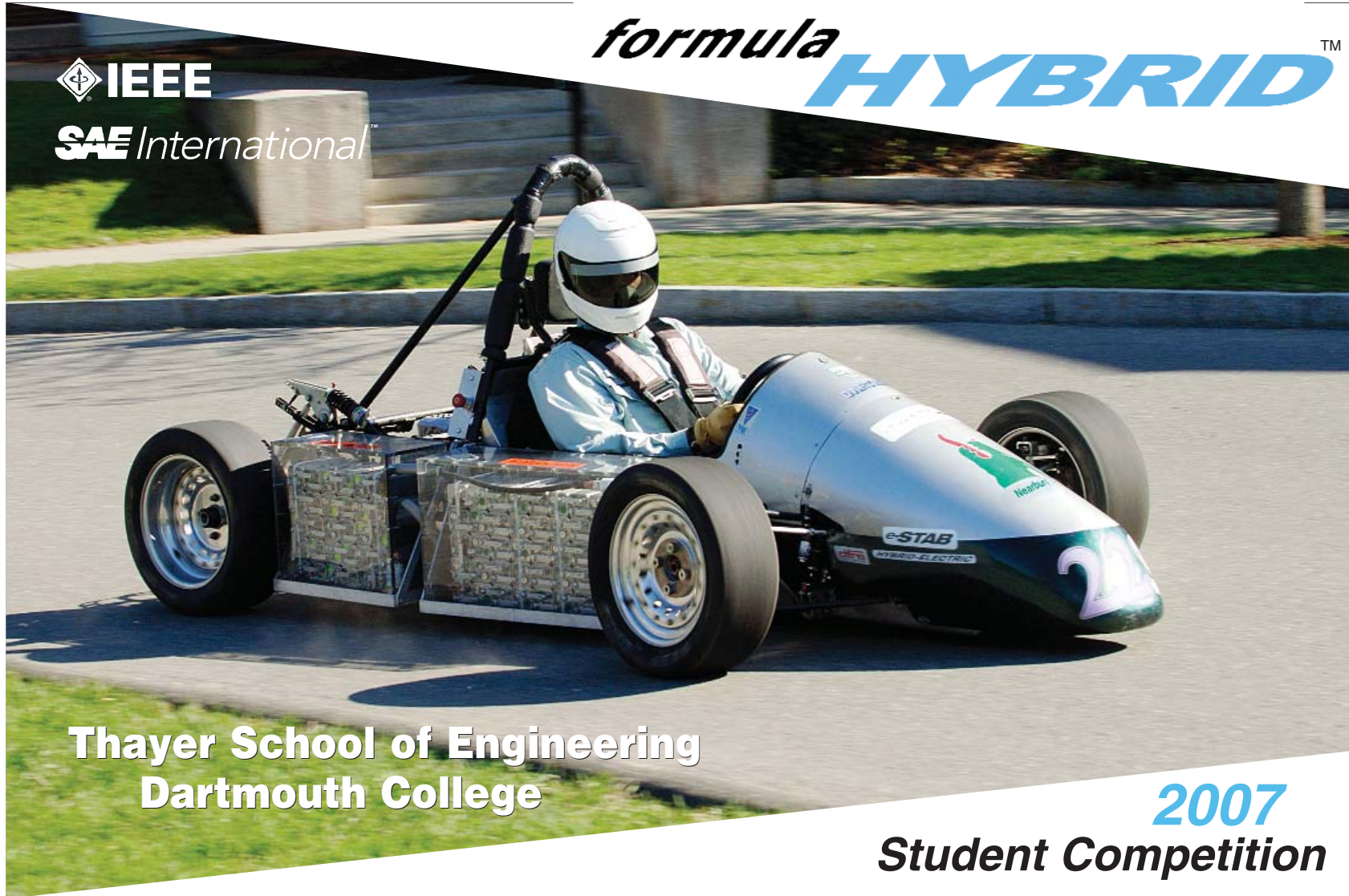
**SAE** *International*<sup>™</sup>

 **IEEE**



SAE International™

*formula* **HYBRID**™

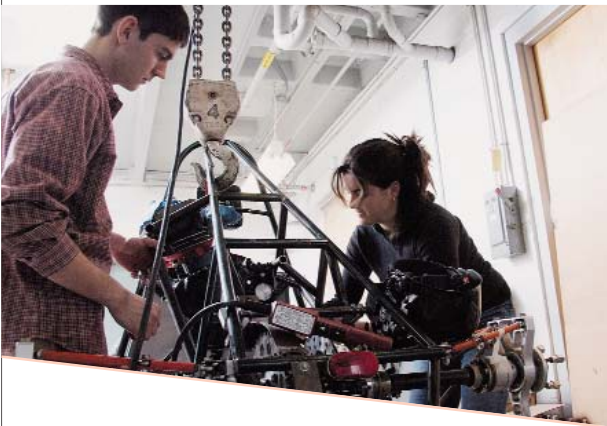
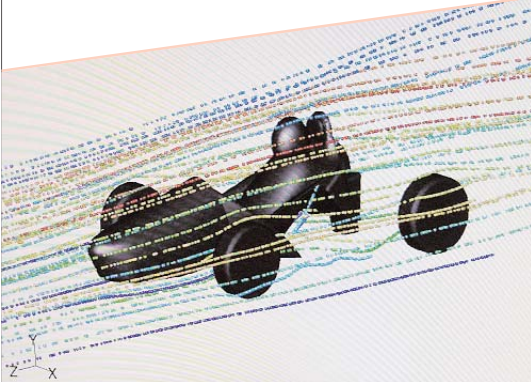


**Thayer School of Engineering  
Dartmouth College**

**2007  
Student Competition**

# Design Build Compete

- Open-wheel, single-seat racecar
  - Gas-electric hybrids
    - Drive-train innovation
      - Fuel efficiency
        - High performance
          - Formula SAE chassis and safety rules apply
            - Retrofitting pre-existing Formula SAE chassis encouraged

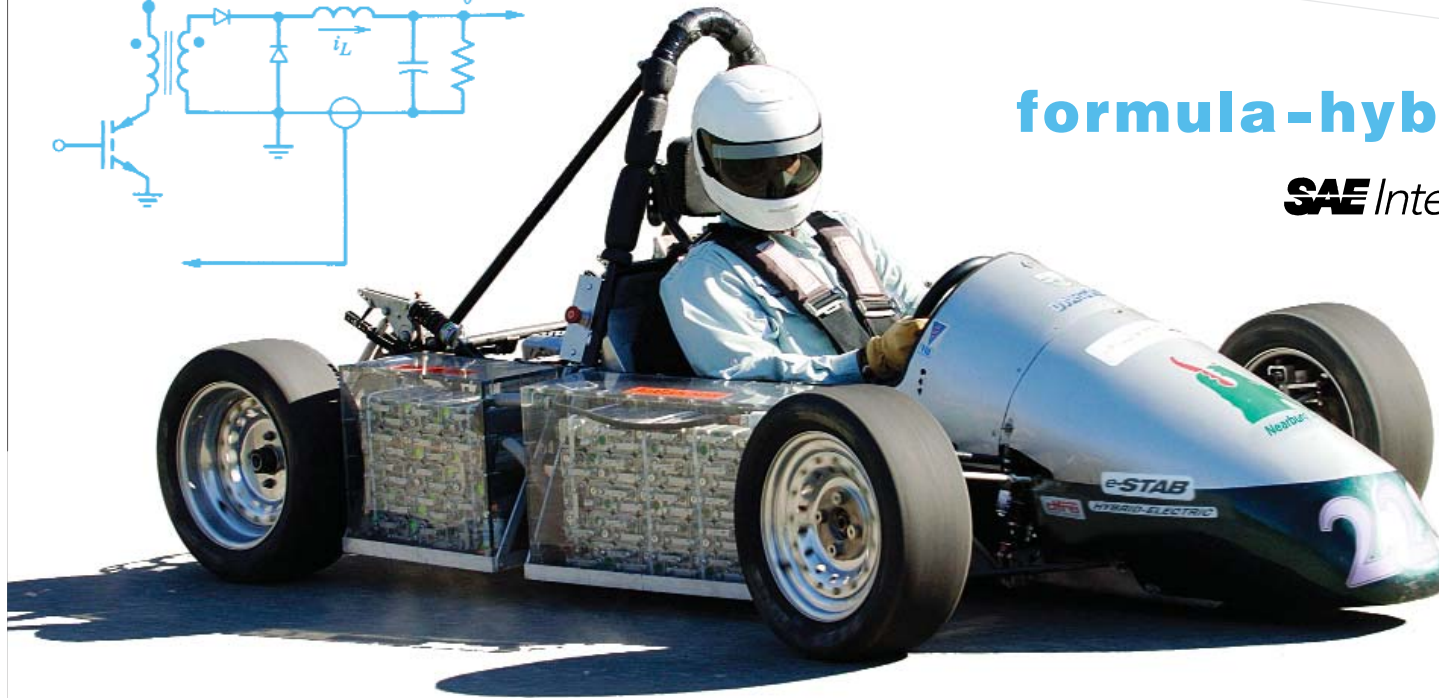
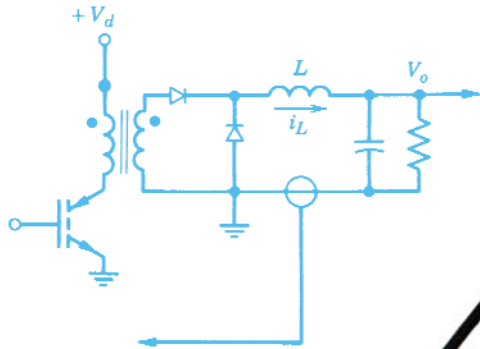


*Formula Hybrid* is an automotive design competition for college and university students. Based on the highly successful Formula SAE program, *Formula Hybrid* drives innovation and builds skills for the road ahead. Founded at Thayer School of Engineering at Dartmouth College in 2006, *Formula Hybrid* is endorsed by the IEEE and SAE International.

# formula **HYBRID**<sup>TM</sup>

[formula-hybrid.org](http://formula-hybrid.org)

**SAE** International<sup>TM</sup>



**May 1–3, 2007** New Hampshire International Speedway, Loudon, NH

Contact: [douglas.fraser@dartmouth.edu](mailto:douglas.fraser@dartmouth.edu)

**2007**  
**Student Competition**