

The University of
Tennessee Knoxville

Baja SAE[®] Collegiate Design Series 2010



*The Race is on...
to Find Winning Sponsors*

University of Tennessee Society of Automotive Engineers (SAE)

We are competing in the Baja SAE – a collegiate design competition – that challenges students to design, fabricate, manage, and race a prototype “Baja Buggy.” This exceptional competition involves students in all aspects of team management, design, development, testing, marketing, and technical writing and presentations.

After our first year in the 2009 competition, the team is looking to build on experience gained at the last competition to greatly improve, including:

- 1: Finish in the Top Third
- 2: Improve Reliability
- 3: Reduce Weight by 20%

Race Date & Location:

**April 8 – 11,
2010
Greenville,
South Carolina**

Race updates will be provided by UTK Baja Team and possibly the race host. To receive race and build updates please check the receive updates box on the sponsorship form and provide an e-mail address.

**Our goal is
to raise \$8,000**



We need your help!

Below is an Approximate Cost Breakdown for Major Components

- » Entrance fees: \$1,000 per competition (there are 3 each year)
- » Transportation and lodging: \$2,500 per competition
- » Steel tubing: \$500
- » Other metal (aluminum sheet, steel rod, angles): \$300
- » Front shocks (set of 2): \$400
- » Rear shocks (set of 2): \$600
- » Custom gearbox (including bearings, gears): \$250
- » Safety equipment (seat belts, seat restraints, fireproof shirts): \$300
- » Shop supplies (welding gas, consumables, cleaners, tools): \$200
- » IRS drive axle assembly (housing, bearings, CV joints/boots): \$300
- » Spare wheels and tires: \$400
- » AMB Transponder (for lap counting/timing): \$250
- » Steering rack and universal joints: \$350
- » Miscellaneous fasteners, rod ends, fittings: \$250
- » Brake master cylinders and brake pads: \$200
- » Baja Buggy painting / graphics: \$250

“Yes, even in these tough economic times, I am urging companies and individuals to support SAE International’s CDS program. I do this because the payoff is incalculable. It is imperative to develop tomorrow’s engineers; this remains ever present. The benefits are ones that all of mobility engineering will reap.”

—David L. Schutt
SAE Chief Executive Officer

Your Donations Help The UTK Baja Team Compete and be More Competitive

*Acquisition of Parts
Raw Materials & Tools
Competition Fees
Travel Expenses*



SAE Organizes the Annual Baja Collegiate Design Series

SAE is a professional organization for mobility engineering professionals in the aerospace, automotive, and commercial vehicle industries. The Society is a standards development organization for the engineering of powered vehicles of all kinds, including cars, trucks, boats and aircraft.

SAE sponsors the Baja competition and challenges students in universities across the world to a battle of superior design and endurance.

SAE Baja Sponsorship Opportunities

TIER ONE

Donations of value equal to or greater than \$2,000

- Corporate logo on team website
- Ex-large logo on vehicle and team banner (6"x9")
- Thank-you plaque with team photo
- 2 shop shirts
- 2 tee shirts
- Team/vehicle visit to sponsors (if local)

TIER TWO

Donations of value equal to or greater than \$1,000

- Corporate logo on team website
- Large logo on vehicle and team banner (5"x7")
- Thank-you plaque with team photo
- 2 tee shirts

TIER THREE

Donations of value equal to or greater than \$500

- Corporate logo on team website
- Medium logo on vehicle and team banner (4"x6")
- 2 tee shirts

TIER FOUR

Donations of value equal to or greater than \$250

- Corporate logo on team website
- Small logo on vehicle and team banner (3"x5")

The Race is on to Secure Sponsors

Contact Info

COMPANY

NAME

E-MAIL

PHONE

I need a tax-deductible receipt

Note: This will take some time to process. Please provide a return address if a receipt is needed.

Yes, I want to receive team updates via email

Please make checks payable to:

David Irick, PhD, PE

Department of Mechanical and Aerospace Engineering
Faculty Advisor

The University of Tennessee
414 Dougherty Hall, 1512 Middle Drive
Knoxville, TN 37996-2210

UT SAE is grateful for your generous support

Please call Dr. Irick for more information and to join the team.

John Pate, team captain, is also available to answer your questions and tell you more about the Baja Buggy.

David Irick, PhD, PE, Faculty Advisor
(865) 974 0863 / dki@utk.edu

John Pate, Team Captain
(865) 851 3095 / jpate10@utk.edu

Learn More → <http://apcsi.tennessee.edu/sae/minibaja.html>

