



Collegiate Design Series News

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Racing in Ocala: Baja SAE UCF-Competition In Review

The first of three Baja SAE Series events hosted by the University of Central Florida Florida was held April 12-15 in Ocala, Florida at the Hard Rock Cycle Park. Eric Schwartz of E-One was the Chief Organizer, not to mention the many thank-you's that are in order for Adam Hussemann of Honda as well as the numerous men and women who volunteered their time and energy to ensure the competition was successful.

With 59 teams in attendance, and even one team from Moscow, Russia that came to show their support, each team member was up for the challenge of the static and dynamic events, and of course the ever-famous endurance race.

It was announced after Friday's technical inspection event that many of the cost reports that were submitted had achieved very successful scores. This is just another example of the thorough planning and hard work reflected by the students. The camaraderie between teams as well as the countless fans cheering for all teams was refreshing to witness. After a rainy start to Sunday's race, cars still managed to climb muddy hills, splash through the winding lake and zoom around sharp turns. It was surely a sight to see!

During the Awards Banquet on Sunday evening, a number of representatives from our sponsor companies presented awards. Linda Partenheimer of Autodesk®, Inc presented the Autodesk Inventor Design Communication Award, David Elia of Polaris® Industries Inc presented all three Polaris Awards (Design Report Award, Design Oral Judging Award and Overall Design Award), and Jason Rounds of Honda® R&D Americas Inc presented the Cost Award along with Honda® R&D Americas Inc's Dynamic Events and Endurance Award, all three sponsored by Honda® R&D Americas Inc.

The Briggs & Stratton Overall Performance Award went to car #003 – Universite de Sherbrooke who was named 1st place, car #001 – Tennessee Tech University who came in 2nd place and car #021 - Ecole de Technologie Superieure who came in 3rd place.

All final score results from these competition can be found online at <http://students.sae.org/competitions/bajasae/results/> under "2007 Results". Graduating students are encouraged to volunteer as National Technical Inspectors for future events. For more information on this, please contact SAE at CollegiateCompetitions@sae.org. To view a clip of this event, please visit www.youtube.com and type "SAE Extreme" into the Search field. Scroll down to the video entitled "SAE Extreme Baja UCF - 07".

As a final note, we would like to thank everyone who contributed to the success of this event...everyone from organizers to students to faculty advisors to volunteers. Without any of you, we wouldn't be able to have such an educational and exciting competition.



2007 Baja SAE UCF Awards

Autodesk Inventor Design Communication Award

- 1st - #002, Clarkson University
- 2nd - #010, Northeastern University
- 3rd - #033, Lipscomb University

Polaris Design Report Award

- 1st - #004, Queen's University
- 2nd - #003, Universite De Sherbrooke
- 3rd - #012, Embry-Riddle Aero University

Polaris Design Oral Judging Award

- 1st - #001, Tennessee Tech University
- 2nd - #003, Universite De Sherbrooke
- 3rd - #004, Queen's University

Polaris Overall Design Award

- 1st - #003, Universite De Sherbrooke
- 2nd - #004, Queen's University
- 3rd - #010 Northeastern University

Honda Cost Award

- 1st - #014, University of Michigan - Dearborn
- 2nd - #008, University of South Florida
- 3rd - #021, Ecole De Technologie Superieure

Water Maneuverability Award

- 1st - #001, Tennessee Tech University
- 2nd - #010, Northeastern University
- 3rd - #064, Villanova University

Acceleration Award

- 1st - #046, University of Vermont
- 2nd - #063, University of Michigan – Ann Arbor
- 3rd - #001, Tennessee Tech University

Husqvarna Suspension & Traction Award

- 1st - #005, Auburn University
- 2nd - #003, Universite De Sherbrooke
- 3rd - #008, University of South Florida

Mud Boggy Award

- 1st - #061, University of Missouri - Rolla
- 2nd - #006, Louisiana State University
- 3rd - #065, Wilkes University

Sled Pull Award

- 1st - #062, Corning Community College
- 2nd - #001, Tennessee Tech University
- 3rd - #006, Louisiana State University

Sportsmanship Award

Rochester Institute of Technology

Honda R&D Americas, Inc. Dynamic Events Award

- 1st - #006, Louisiana State University
- 2nd - #001, Tennessee Tech University
- 3rd - #021, Ecole De Technologie Superieure

Honda R&D Americas, Inc. Endurance Award

- 1st - #003, Universite De Sherbrooke
- 2nd - #009, Bucknell University
- 3rd - #001, Tennessee Tech University

Power Washer Recipient

#066, University of New Orleans

Generator Recipient

#050, Cégep de Drummondville

Briggs & Stratton Overall Performance Award

- 1st - #003, Universite De Sherbrooke
- 2nd - #001, Tennessee Tech University
- 3rd - #021, Ecole De Technologie Superieure



Baja SAE SDSM&T Rocks!!

South Dakota School of Mines & Technology is hosting this year's Baja SAE rock climbing event in Rapid City, South Dakota. Their goal is to "create an inspiring, challenging, and unique experience that only the Black Hills of South Dakota can offer." 100 teams from United States, Canada, Mexico, France, South Korea and South Africa will be participating in this international competition. Please make yourself familiar with the following list of events if you are attending this competition:

Wednesday, May 23, 2007

12:00 PM – 6:00 PM Early Registration and Early Tech Inspection
 Rushmore Plaza Civic Center

Thursday, May 24, 2007 – Rushmore Plaza Civic Center

8:00 AM Registration Opens
 8:30 AM Technical Inspection, Design Judging and Sales Presentations Begin
 12:00 PM – 1:00 PM Lunch
 4:00 PM Registration Closes

Last Call for Technical Inspection

4:30 PM Design Judging Finished
 Sales Presentations Finished
 5:00 PM Technical Inspection Closed
 Design Judging Finals
 6:00 PM Student Party provided by Timken

Friday, May 25, 2007 – Location TBA

7:00 AM Gates Open On-site
 8:00 AM Driver Meeting
 9:00 AM Hill Climb, Acceleration, Maneuverability and Rock Crawl Events Begin
 12:00 PM Lunch provided by Honda
 Events Close
 1:00 PM Events Reopen
 5:00 PM Last Call for All Events
 6:00 PM All Events Closed

Saturday, May 26, 2007 – Location TBA

7:00 AM Gates Open On-site
 9:00 AM Staging Begins
 10:00 AM Endurance Race Starts
 2:00 PM Endurance Race Ends
 Top Cars Impounded and Inspected
 6:00 PM Awards Banquet Rushmore Plaza Civic Center

Please note the above dates and times are simply a tentative schedule, please be sure to check the event website for any updates as well as other event specific information at <http://www.bajasaesdsmt.com/>

Special Thanks to the 2007 Baja SAE UCF Corporate Sponsorships

Platinum Sponsors

Briggs & Stratton Corp

Gold Sponsors

Autodesk Inc.
 Honda R&D Americas Inc.
 The Timken Company

Silver Sponsors

Caterpillar Inc
 Oshkosh Truck Corp

Bronze Sponsors

Kohler Co
 Polaris Industries Inc



Formula SAE Returns to California

SAE International's second Formula SAE event returns to the California Speedway. Formula SAE West will take place on Wednesday, June 13th through Saturday, June 14th this summer. With an expansion of more teams, registered for the event are 80 teams from colleges and universities from around the globe.

The site, though massive, provides a true motorsport atmosphere to the competition. With state of the art facilities, teams will be once again paddocking in the VIP motorcoach areas. Water and electric access will be available. The NASCAR garages will once again be home to the static events and technical inspection. All the dynamic events will remain set up on sections of the infield road course. Be sure to bring your walking shoes and your push bars!

The weather is expected to be a repeat of last year with temperatures hot, dry and very sunny. Be sure to bring plenty of water and shade!

A few Updates to be aware!

- 1.** Most up to date Schedule is posted online.
- 2.** Registration will start on Wednesday at 8:30 a.m., there is no early registration being provided at this event. But to make registration move faster and smoother, have your required information ready to present.
- 3.** Concessions onsite. California Speedway concession stands will be open onsite Wednesday through Saturday to accommodate teams, family members, alum, and guests.
- 4.** Event T-shirts will be offered for sale onsite near Student Registration in Garage 3. The cost will be \$10.00.
- 5.** Car shipments. If your team is planning to ship your car to the California Speedway, please review the shipping guidelines posted online at <http://students.sae.org/competitions/formulaseries/west/> under Competition Resources.



The University of Alabama - Crimson GRITS - 2007 Winners

The SAE Women Engineers Committee (WEC) recently sent congratulations to Meredith Caldwell (team leader), Martha Addison, Sarah Grano, Beth Broughton, Bianca Covington, Christina Ibrahim, Amanda Lard, Joan Reichwein, Sarah Reichwein, Amanda Wachtel, and Sarah Witt of The University of Alabama for winning the WEC Baja SAE® Challenge to Women Leaders award. A check, in the amount of \$1,000.00, was sent to their SAE Faculty Advisor, Dr. Beth A. Todd.



Autodesk Sponsors SAE Competitions

Autodesk is proud to sponsor the Formula SAE®, Aero Design®, and Baja SAE competitions. Autodesk staff will be on site at each sponsored event to meet with teams and talk about your projects.

We are offering the Autodesk™ Inventor® Design Communication Award to the team whose exemplary Design Report demonstrates the best written & graphic communication of their engineering and design process. Winning teams will receive copies of Autodesk Inventor Professional Software. More information on the Inventor Design Communication Award is available on the SAE website.

Join the Autodesk Student Engineering & Design Community

Autodesk allows college students throughout the world to pursue visionary careers by arming them with the tools and skills they need to compete in the real world. Approximately 80 percent of universities and colleges in the United States use Autodesk technology and education solutions to provide millions of students the professional experience necessary to compete for today's jobs.

The Autodesk Student Engineering & Design Community is where you can download free* student editions of Autodesk Inventor, take advantage of tutorials, join discussion groups, and get answers to your design questions. You can even search for your dream internship or full-time job through the job posting section.

Register today at www.students.autodesk.com and start using the 3D design software the professionals use.

*Free products are subject to the terms and conditions of the end-user license agreement that accompanies download of the software.

News Release



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Eaton Donates Superchargers to 2008 Formula SAE Teams

Eaton Corp., the world's leading manufacturer of Roots-type superchargers, is donating more than 100 of its M24 superchargers to university student teams competing in next year's Formula SAE race. The superchargers are free to all competing teams.

"We are pleased to donate these superchargers to the students who work so long and hard at squeezing out every ounce of performance they can," said Jeff Roming, vice president and general manager of Eaton's supercharger business. "The Formula SAE program is an excellent venue to demonstrate the capabilities of supercharging and help the students to better understand the Eaton Roots design."

The first application of an Eaton roots-type supercharger debuted on the 1989 Ford Thunderbird Super Coupe. Since, Eaton superchargers have appeared on the Buick Park Avenue UltraTM, Buick RegalTM, Pontiac Grand PrixTM, Ford Mustang Cobra SVTTM, Ford Lightning SVTTM, MINI Cooper^{STM}, Jaguar XKRTM, Range Rover SportTM, Cadillac STS-VTM, Cadillac XLR-VTM, Chevrolet Cobalt SSTTM, Saturn Ion RedlineTM and the Mustang Shelby GT500TM.

University teams can reserve an M24 unit and arrange delivery by contacting Arnie Dunai at 616-393-9398 or arniedunai@eaton.com. For more information about Eaton, visit www.eaton.com.

Supermileage[®] Just Around the Corner

The 28th Annual Supermileage[®] event will be taking place June 7-8, 2007 at the Eaton Proving Grounds in Marshall, Michigan. This competition provides engineering and technology students with a challenging design project that involves the development and construction of a single-person, fuel-efficient vehicle. There are 32 teams registered for the event hailing from all parts of the world, including United States, Canada, India and Bahrain. For more information on the event itself, including the event schedule, rules and hotel information, please visit the Supermileage[®] webpage at: <http://students.sae.org/competitions/supermileage/>

Briggs & Stratton Corp

