



Collegiate Design Series News

Volume 1, Issue 12 September 2004

Don't forget to:

- Renew your membership
- Update MYSAE contact information (Especially email addresses. All competition event info is sent electronically)
- Update all team member information
- Read the CDS Newsletter
- Utilize the SAE competition forums

For all inquiries, contact CollegiateCompetitions@sae.org

2005 Competition Registration Fees and Deadlines

For events with registration limits, the number of registered teams can be viewed on competition specific websites. Registration is on a first come, first serve basis with **NO** waiting lists.

Clean Snowmobile Challenge

March 14-19, 2005 • Houghton, Michigan

* Registration for CSC is Limited to the First 20 Teams.

Registration fee \$500.00
Registration deadline Dec. 15, 2004

Aero Design East

April 8-10, 2005 • Orlando, Florida

Early registration fee
Regular, Open & Micro class \$350.00

Early registration deadline for Regular,
Open & Micro class Dec. 31, 2004

Late registration fee Regular,
Open & Micro class additional \$50.00

Late registration fee total for
both classes \$400.00

Late registration deadline for Regular,
Open & Micro class March 3, 2005

Robot Systems Challenge

April 28-30, 2005 • Montreal, Quebec

Early registration fee \$500.00

Early registration deadline Jan. 31, 2005

Late registration fee additional \$100.00

Late registration fee total \$600.00

Late registration deadline March 5, 2005

Mini Baja East

May 5-7, 2005 • Rochester, New York

Early registration fee \$500.00

Early registration deadline January 17, 2005

Late registration fee additional \$100.00

Late registration fee total \$600.00

Late registration deadline March 21, 2005

Briggs & Stratton Engine Order Fee \$130.00

ENGINE ORDER DEADLINE January 17, 2005

Aero Design West

May 6-8, 2005 • Ft. Worth, Texas

Early registration fee
Regular, Open & Micro class \$350.00

Early registration deadline for
Regular, Open & Micro class Jan. 17, 2005

Late registration fee Regular,
Open & Micro class additional \$50.00

Late registration fee total for
both classes \$400.00

Late registration deadline for
Regular, Open & Micro class April 1, 2005

Formula SAE

May 18-22, 2005 • Pontiac, Michigan

*Registration for FSAE is Limited to the First 140 Teams.

Registration fee \$600.00
Registration deadline Jan. 31, 2005

Mini Baja 100

June 1-4, 2005 • Tucson, Arizona

Early registration fee \$500.00

Early registration deadline Jan. 17, 2005

Late registration fee additional \$100.00

Late registration fee total \$600.00

Late registration deadline March 21, 2005

Briggs & Stratton Engine
Order Fee \$130.00

ENGINE ORDER DEADLINE Jan. 17, 2005

Supermileage

June 9-10, 2005 • Marshall, Michigan

Early registration fee \$250.00

Early registration deadline Jan. 17, 2005

Late registration fee additional \$100.00

Late registration fee total \$350.00

Late registration deadline March 18, 2005

Briggs & Stratton Engine
Order Fee No Charge

ENGINE ORDER DEADLINE Jan. 17, 2005

Midwest Mini Baja

June 17-19, 2005 • Troy, Ohio

*Registration for Midwest Mini Baja is Limited to the First 141 Teams.

Early registration fee \$500.00

Early registration deadline Jan. 17, 2005

Late registration fee additional \$100.00

Late registration fee total \$600.00

Late registration deadline March 21, 2005

Briggs & Stratton Engine Order Fee \$130.00

ENGINE ORDER DEADLINE Jan. 17, 2005

Registration Opens

October 4, 2004

10:00 A.M.

Eastern Daylight Savings Time

University of Pittsburgh's FSAE Team Wins FREE Registration!

Beginning November 2003, the SAE Collegiate Design Series staff requested interesting articles and photos. The teams that sent in the requested information were entered into a drawing for FREE Registration to a 2005 CDS competition. The drawing was held on Thursday, August 12, 2004.

And the winner is...University of Pittsburgh's FSAE team. The team submitted the article "On the Road to Win" that was featured in the May 2004 issue of the Collegiate Design Series Newsletter. They are now guaranteed a spot at the 2005 FSAE competition.

Thank you to Auburn University Lady Tigers Mini Baja, Queen's University Mini Baja, USCD FSAE, Purdue University – W.Lafayette Mini Baja, Clarkson University Clean Snowmobile, and the University of Texas-Austin FSAE teams for submitting articles.



"There are many items that we have been working to acquire such as a full set of racing scales, a new car trailer, and finishing our engine dyno cell. This additional funding will certainly aid us in obtaining these important and necessary pieces of equipment for our team and ultimately allow us to be more competitive this year."

*Josh Bobko –
Panther Racing FSAE team*

Posters online

Meeting notice posters are available online at <http://www.sae.org/students/student.htm>. There are seven to choose from including Mini Baja, Clean Snowmobile, Formula SAE, and Aero Design among others. There are two different sizes, 8x10 and 11x17, for your printing convenience. They are an eye-catching resource to gain members and promote your team around campus. Check them out! It just might be you and your team on the posters!

Team Websites

As a new competition season approaches and projects begin, many teams choose to post websites showing their team and the progress that they are making. If your team has a website, please email the link to CollegiateCompetitions@sae.org. The team website will be posted under the appropriate competition. Please make sure that all websites have current information.

Need ideas for your website?

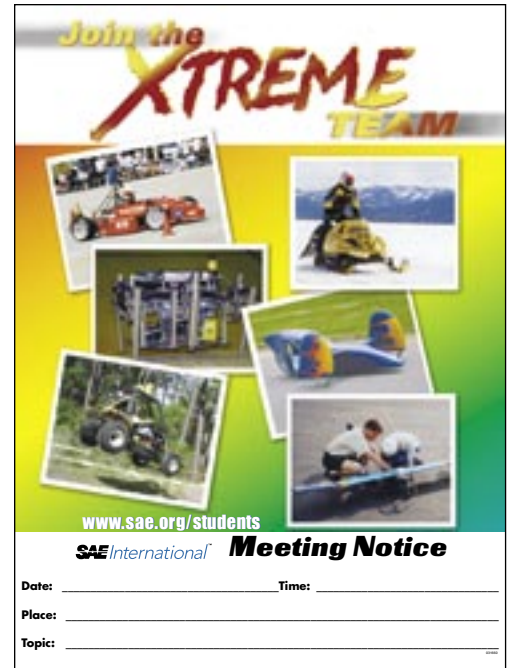
- Team photos
- Team results
- Team member listing
- Sponsor listing
- Special announcements
- Alumni information
- School information

Competition Public Forums

Forums are available for the following Collegiate Design Series competitions:

- Aero Design - <http://www.sae.org/students/aerodes.htm>
- Clean Snowmobile Challenge - <http://www.sae.org/students/snow.htm>
- Formula SAE - <http://www.sae.org/students/formula.htm>
- Mini Baja - <http://www.sae.org/students/minibaja.htm>
- Supermileage - <http://www.sae.org/students/supermw.htm>

Organizers will post official announcements and students and faculty advisors are encouraged to post questions, comments, and general information about the competitions.



Renew Your Membership

Students may renew or pay their membership dues online at <http://www.sae.org/students/index.htm> or call SAE Customer Service at 1-877-606-7323.

Graduates, transfer your Student Membership to Professional Membership. Transfer online today at <http://www.sae.org/students/membership/transfer.htm>

Free Events for Student Members

This unique SAE benefit puts you in touch with professional engineers and hardware suppliers who determine the future of the expanding automotive and aerospace industries worldwide. A valuable educational and placement resource.

Aerospace Manufacturing and Automated Fastening Conference & Exhibition

September 20-23, 2004

Sheraton West Port Hotel • St. Louis, Missouri, USA

Technical sessions for the Aerospace Manufacturing and Automated Fastening Conference and Exhibition run on Tuesday, Wednesday and half day on Thursday. Sessions include Airframe Composite Structures, Fastener Technology and Hole Preparation, Conceptual Developments in Automated Systems, and many more.

On Thursday, September 23rd, the technical tour will visit the Boeing's manufacturing site in St. Louis, Missouri. This facility is responsible for both F/A-18 Super Hornet and F-15 Eagle tactical aircraft assembly as well as large scale sub assembly for the C-17 Globemaster III transport aircraft. The tour will showcase recently implemented pulse line and lean manufacturing initiatives in addition to successful automation systems integration. Specific rules regarding the tour are detailed in the event brochure.

Please visit <http://www.sae.org/events/amaf/> for more information.

SAE Commercial Vehicle Engineering Congress and Exhibition

October 26-28, 2004

Donald E. Stephens Convention Center • Metro Chicago Area, Illinois, USA

The SAE Commercial Vehicle Congress and Exhibition will showcase technical sessions for a wide range of professionals. Topics will cover high level issues that will engage industry leaders and engineering management. Technical sessions will challenge experienced design engineers and teach young professionals in the on- and off-road heavy duty industries.

The DANA Technology Theater will have sessions focusing on industry issues for both on and off road and provide the opportunity for cross-industry learning and discussion. Presentations such as Leveraging Worldwide Engineering Design Expertise & Infrastructure to Improve Your Competitiveness, Emissions (Non-Exhaust), Impact of Off-Highway Tier 3 & 4 Regulations on Engines and Equipment, and The Path to Near Zero Emissions for Heavy Duty On-Highway Diesel Engines 2007-2010 will be offered.

Educational technical sessions include tracks on Body, Chassis and Driveline, Electrical, Engine and Emissions, Hydraulics, Maintenance, and Safety, Braking and Steering.

The Industry Banquet on Wednesday, October 27th will feature Joanne Bischmann. Joanne is the Vice President of Marketing for Harley-Davidson Motor Company.

Please visit <http://www.sae.org/events/cve/> for more information.



**Motorsports Engineering Conference and Exhibition
November 30-December 2, 2004
Hyatt Regency Dearborn • Dearborn, Michigan, USA**

Whether you make your living as a motorsports or automotive engineer, spend your weekends and free time as an enthusiast, or are an after-market supplier, the 2004 SAE Motorsports Conference and Exhibition is the place for you!

This year's program will feature a keynote address by Max Mosley, president of the Fédération Internationale de l'Automobile (FIA). Banquet speaker will be Neil Ressler, former Chairman of Jaguar Racing and Ford Vice President. Honorary Chairperson for this year's event is Herb Fishel, CEO, Business of Motorsports.

Please visit <http://www.sae.org/events/mec/> for more information.

Awards and Scholarships Available

Faculty Advisors and professors - Apply now for the Ralph R. Teetor Educational Award for outstanding engineering educators. As a recipient, you could receive a gratis trip to a major SAE meeting in 2005. Apply by October 16, 2004.

<http://www.sae.org/news/awards/list/teetor/>

Attention Kettering Univ. & Univ of Michigan-Ann Arbor students and faculty: SAE is accepting applications for the Heinz C. Prechter Award for Automotive Excellence which provides seed money for the development of an entrepreneurial idea that will positively impact the automotive industry. Apply by October 31, 2004.

<http://www.sae.org/news/awards/list/prechter/>

Ralph K. Hillquist Honorary SAE Scholarship program is accepting applications from junior undergraduate engineering students for a \$1,000 scholarship. Apply by February 1, 2005.

<http://www.sae.org/students/scholarships/hillquist.htm>

Do you know of an incoming high school senior planning to pursue an engineering degree? Applications are being accepted now for the 2005 SAE Engineering Scholarships. Apply by December 1, 2004.

<http://www.sae.org/students/engschlr.htm>



Expand Your Networking Opportunities!

Did you know that SAE has over 90 local professional chapters, called 'Sections', around the world? There's a good chance there's one near you.

SAE Sections offer a variety of local activities from technical meetings, professional development workshops, to fascinating tours of local engineering facilities.

Additionally, attending Section events may help your job search by networking with SAE members and industry professionals.

To learn more about the SAE Section near you, visit the Sections Listing at: <http://www.sae.org/globalsections/sections/list>.

Nominate Your Advisor for the Prestigious SAE Faculty Advisors Award

Do you have a special faculty advisor who goes the extra mile to help your student chapter and CDS teams succeed? Why not recognize him or her by nominating the advisor for consideration for the SAE International Faculty Advisors Award. The winning recipients will receive an all-expense paid trip to the SAE Worldwide Congress, April 11-14, 2005, in Detroit, Michigan.

Nomination deadline is October 31, 2004. For details and the nomination form visit <http://www.sae.org/news/awards/list/faculty>.



We would like to thank the following sponsors for their support for the 2004 competition season

CORPORATE SPONSORS

DaimlerChrysler – FSAE Consortium
Ford Motor Company – FSAE Consortium
General Motors Corporation – FSAE Consortium
Briggs & Stratton Corp. – Platinum Sponsor, Mini Baja
EDS – Platinum Sponsor, FSAE
Honda R&D Americas, Inc. – Gold Sponsor, Mini Baja
Eaton Corporation – Supermileage
Henkel/Loctite Technologies – old Sponsor, FSAE
Lincoln Electric – Gold Sponsor, FSAE
ArvinMeritor, Inc. – Gold Sponsor, FSAE
Goodyear Tire and Rubber Company – Gold Sponsor, FSAE
Hoosier Racing Tire – Gold Sponsor, FSAE
Visteon Climate Control – Gold Sponsor, FSAE
Ricardo, Inc. – Gold Sponsor, FSAE
Land & Sea, Inc. – Gold Sponsor, FSAE
Louts – Gold Sponsor, Clean Snowmobile Challenge
Briel & Kjaer – Gold Sponsor, FSAE
Sunoco, Inc. – Gold Sponsor, FSAE
ISMA – Gold Sponsor, Clean Snowmobile Challenge
Gage Products – Gold Sponsor, Clean Snowmobile Challenge
MSA – Gold Sponsor, Clean Snowmobile Challenge
Lotus – Gold Sponsor, Clean Snowmobile Challenge
Continental Teves – Gold Sponsor, FSAE
Robert Bosch Corp. – Gold Sponsor, FSAE
Altair Engineering – Gold Sponsor, FSAE
Comsource Inc. – Silver Sponsor, FSAE
Cosworth Technology Inc. – Silver Sponsor, FSAE
Solidworks Corporation – Silver Sponsor, FSAE
Polaris – Silver Sponsor, FSAE
Polaris Industries Inc. – Silver Sponsor, Mini Baja
William C. Mitchell Software – Silver Sponsor, FSAE

EMITECH – Silver Sponsor, Clean Snowmobile Challenge
Blue Ribbon Coalition – Bronze Sponsor, Clean Snowmobile Challenge
ACSA – Bronze Sponsor, Clean Snowmobile Challenge
PCB Piezotronics – Bronze Sponsor, Clean Snowmobile Challenge
Portage Heath System – Bronze Sponsor, Clean Snowmobile Challenge
ThermoAnalytics, Inc. – Bronze Sponsor, Clean Snowmobile Challenge
Woody's – Bronze Sponsor, Clean Snowmobile Challenge
SAE Detroit Section – Bronze Sponsor, FSAE
Colder Products – Bronze Sponsor, Clean Snowmobile Challenge

SUPPLIER SPONSORS

Aurora Bearing C. – FSAE and Mini Baja
Corsa Instruments Inc. – FSAE and Mini Baja
National Instruments – FSAE and Mini Baja
SpaceAge Control, Inc. – FSAE and Mini Baja
Land & Sea, Inc. – FSAE and Mini Baja
Leaf Racewear – FSAE and Mini Baja
Lincoln Electric Co. – FSAE
Gamma Technologies, Inc – FSAE
Hoosier Racing Tire – FSAE
Cycle Search International, Inc. – FSAE
Goodyear Tire and Rubber Company – FSAE
Spa Technique, Inc – FSAE
Visteon Climate Control – FSAE
Performance Friction Corp – FSAE
Performance Electronics Ltd – FSAE
RCV Performance – FSAE
Titan Motorsport North America – FSAE
Risse Racing Technology – FSAE
Superior Engine Technology – FSAE

AWARD SPONSORS

SCCA - Carroll Smith Mentor's Cup – FSAE
Goodyear Tire and Rubber Company – Goodyear Best Performance Award – FSAE

Visteon Climate Control – Powertrain Cooling System Award – FSAE
Honda R&D Americas, Inc. – Engineering Design Award – Mini Baja
Polaris – Polaris Innovative Suspension Award – Mini Baja
TARDEC – Off Road Mobility Award – Mini Baja
Mike Schmidt Memorial Mini Baja Iron Team Award – Mini Baja
Honda R&D Americas, Inc. – Endurance Award – Mini Baja
Briggs & Stratton – Overall Performance Award – Mini Baja
Dayton Cup – Best Mini Baja team of the year judged by the Dayton Section – Mini Baja
Robert Bosch Corporation – Engine Management System Award – FSAE
Continental Teves – Best in Class Brake System Award – FSAE
Society of Plastics Engineers' – Composites Division Award – FSAE
Henkel Technologies – Structural Foam Award – FSAE
Hoosier Tire – Autocross Award – FSAE
ArvinMeritor – Suspension System Award – FSAE
Briel & Kjaer – Briel and Kjaer Quiet Car Cup – FSAE
EDS – EDS Outstanding Sportsmanship Award – FSAE
Lincoln Electric Co. – Lincoln Electric Welding Award – FSAE
Ricardo, Inc. – Ricardo Powertrain Award – FSAE
William C. Mitchell Rookie Award – FSAE
Formula SAE Certificate of Accomplishment – FSAE
Cost Award – Best Score in Cost – FSAE
Presentation Award – Best Score in Presentation – FSAE
SAE Perserverance Award – Top 5 Rookie Team s with the highest overall points – FSAE
Spirit of Excellence Award – Top ten overall finishers – FSAE
Road & Track Triathlon Award – Trophy – FSAE