



# Queen's University **BAJA SAE**



2009 - 2010 Sponsorship Package  
[www.queensbaja.com](http://www.queensbaja.com)



# Queen's University BAJA SAE



## About the Team

The Queen's University Baja SAE team is a group of dedicated students who have come together to build an off-road car and compete in the North American Baja SAE competition series. The team is comprised of mechanical engineering students ranging from first year undergraduate to graduate level. Each year the team designs and builds a completely new car from the ground up.

Students that participate in this competition gain hands-on experience solving real engineering problems. Since new members are always joining and old members are always leaving, students must constantly learn from each other and work together. The Queen's team is now entering its 17th consecutive year of competition, each year learning from the past and fielding a better car. We are looking to improve over our last year's performance, and maintain our place as a top ranking team.





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## About the Competition

Baja SAE is a design competition hosted by the SAE (Society of Automotive Engineers) to challenge engineering students. Baja SAE demands students to design, manufacture and race an off-road vehicle competing against other universities from all over the world. As well, students must manage their team and resources similar to how a small company would.

Each competition consists of design judging and a thorough safety and technical inspection. The cars are then put through rigorous tests for acceleration, hill climbing ability, maneuverability, suspension/traction and pulling ability. Finally, every competition culminates in a four-hour endurance race. A winning car must not only be fast, robust and maneuverable, but also comfortable, low in cost, and easy to manufacture, service and maintain.

All teams are provided with the same 10 horsepower engine, which makes systems such as transmission and suspension critical factors in the car's performance. For more information about Baja SAE competitions visit:

<http://students.sae.org/competitions/bajasae/>





# Queen's University

# BAJA SAE



## About Our 2009 Season

### **East Competition (Auburn, Alabama) 88 registered teams**

- 11th place for design
- 7th place in maneuverability
- *11th place overall*

### **West Competition (Portland, Oregon) 65 registered teams**

- 4th place in endurance
- 8th place in design
- *7th place overall*

### **Midwest Competition (Burlington, Wisconsin) 100 registered teams**

- 24th place in endurance
- *29th place overall*





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## Past Results

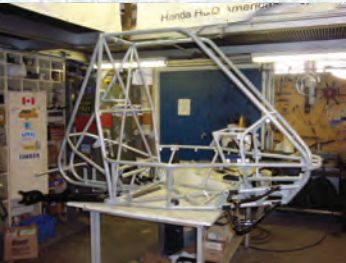
	East	West	Midwest	Iron Team Award
2008	1st in design 3rd in maneuverability 2nd in suspension 3rd in endurance <b>1st overall</b>	4th in acceleration 8th in maneuverability 13th in endurance <b>12th overall</b>	2nd in suspension 3rd in maneuverability 8th in endurance <b>13th overall</b>	1st
2007	2nd in design 8th in acceleration 11th in endurance <b>7th overall</b>	5th in design 12th in acceleration 3rd in endurance <b>8th overall</b>	6th in design 11th in acceleration 12th in endurance <b>8th overall</b>	2nd
2006	3rd in design 9th in suspension 2nd in endurance <b>4th overall</b>	2nd in design 11th in hill climb 2nd in endurance <b>3rd overall</b>	5th in design 14th in endurance <b>14th overall</b>	1st
2005	7th in design 3rd in suspension 2nd in endurance <b>4th overall</b>	2nd in rock crawl 1st in endurance <b>3rd overall</b>	11th in acceleration <b>36th overall</b>	N/A





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## Estimated Expenses

<b>Frame</b> <i>(Tubing)</i>	\$900
<b>Suspension</b> <i>(Steering components, ball joints, tubing, rims &amp; tires, shocks)</i>	\$575
<b>Transmission</b> <i>(CV Joints, bearings, driveshafts, spool)</i>	\$1700
<b>Brakes</b> <i>(Calipers, cylinders, lines and fittings)</i>	\$250
<b>Safety</b> <i>(Helmet, goggles, wrist restraints, neck guard)</i>	\$500
<b>Competition</b> <i>(Registration, hotels, fuel, transportation)</i>	\$15,000
<b>Other</b> <i>(Fasteners, shop supplies, material for molds, administration)</i>	\$1,200
<b>Total</b>	<b>\$20,125</b>



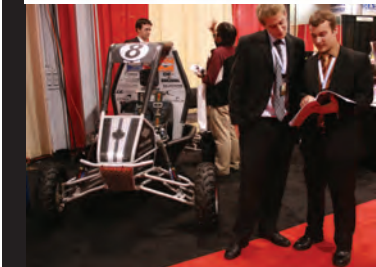
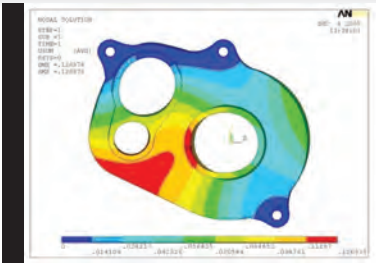
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## Why Sponsor Our Team?

The success of the Queen's University Baja SAE team has been made possible by the generous help of our sponsors. Without your help, the team would not be able to make our car, nor would we be able to participate in competition. By supporting us, your company is helping to create a new generation of engineers, with excellent technical skills and a solid basis in solving real engineering problems. On top of technical skills, Baja students know how to work in teams and under pressure to meet seemingly impossible deadlines.

Sponsoring the Queen's Baja SAE team puts the name of your company in the international spotlight. The Queen's team is represented by highly motivated individuals with a reputation of producing highly competitive cars. Thus, students from all over North America and the rest of the world critically examine and field questions about our car. By sponsoring our team you will be instilling in the minds of young engineers that your company is committed to supporting innovation, furthering education, and enhancing student design teams.





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## How You Can Help

Since we cannot take our car into production and sell it, we cannot make a profit through sales to sustain our continual efforts. Therefore we rely on support from industry sponsors to keep our team going. It is with the generosity of companies like yours that we can continue to make quality cars each year.

Donations to the Queen's Baja SAE team go toward purchasing parts for the car, tools and supplies, as well as funding travel to and from competitions. Competitions can be held as far away as Washington, Florida, Alabama and Arizona. The ability to fund the total cost of competition can mean the difference between participating or not. Along with donating funds, many of our sponsors provide us with parts, materials and services for free or at a discounted rate.

We hope that you will consider sponsoring us for the 2009/2010 season. All financial donations are tax deductible and receipts can be provided upon request. We can be contacted by E-mail at [minibaja@engsoc.queensu.ca](mailto:minibaja@engsoc.queensu.ca) or by phone at (613) 533-6000 ext. 75528. Feel free to visit our website: [www.queensbaja.com](http://www.queensbaja.com)





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## 2010 Sponsorship Levels

Queen's Baja SAE recognizes the contributions of our sponsors by displaying their logos on the car and within publications and advertisements. Starting in the 2009 - 2010 season, the prominence of these logos will depend on the level of support from each sponsor:

- Platinum:       \$5000 and Above
- Gold:            \$2000 - \$4999
- Silver:           \$500 - \$1999
- Bronze:          Under \$500





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Queen's Baja SAE would like to thank its 2009 sponsors



Niagara Cutter



Queen's UNIVERSITY



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