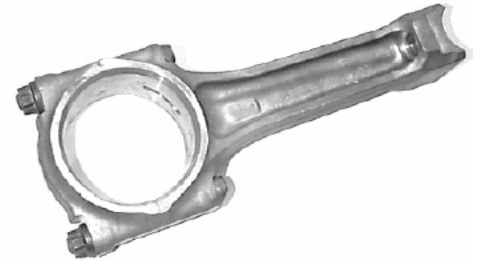


# CONNECTING ROD

The Oregon SAE Newsletter

October 2006

Volume 11 Issue 05



Online at: [www.oregonsae.org](http://www.oregonsae.org)

**Tuesday, Monday, October 23, 5:00-6:30 PM: OSAE Governing Board Meeting (short format)**

**Location:** Freightliner, 4747 N Channel ave, 97217 Portland. Room 1J. [map](#)

**Friday October 13, 11:45, Lunch: Tour: Radio Station KBPS "All Classical FM 89.9" and AM.**

**What:** Learn the technology behind the scenes of the only all-classical, commercial-free station in Oregon. Watch how they retrieve and play specific recordings, and the future of the CD medium.

**Cost:** \$7 for a lunch meal.

**Location:** KBPS Radio station, 515 NE 15<sup>th</sup> Avenue, Portland, in back of Benson High School [map](#)

**Monday October 30<sup>th</sup>, 6:30-9pm: 4<sup>th</sup> Annual OSAE Student Night (see page 2 for details)**

**What:** Meet the students, hear about their last year's many achievements, and what innovations they have planned for this year. This is also a great chance to find out how your support is helping.

**Cost:** \$10/person, \$5/student, free to those presenting, with all the proceeds going to students.

**Location** NW Natural Auditorium, 7100 SW McEwan Rd., Lake Oswego, OR [map](#)

**Please RSVP** Mike Dragulin 503-745-6558 or [MikeDragulin@Freightliner.com](mailto:MikeDragulin@Freightliner.com) by **Mon, Oct 23rd**

**Mark your Calendars: Nov. 17<sup>th</sup> Lunch Preview:** Rob Barnard, the architect and construction manager for the **OHSU tram** will discuss the engineering and construction challenges of the project.



**Advertise here and reach over 700 Oregon engineers and managers in the mobility advancement field. For details please contact: [GeorgeGvakharia@Freightliner.com](mailto:GeorgeGvakharia@Freightliner.com)**

**503-745-5975**

## Section Officers, 2006-07

Chairman	Andre Susanto	(503) 318-2547	<a href="mailto:AndreS@email.sae.org">AndreS@email.sae.org</a>
Treasurer	Paul Labberton	(503) 745-7451	<a href="mailto:PaulLabberton@Freightliner.com">PaulLabberton@Freightliner.com</a>
Secretary	Ben Hansen	(503) 745-6041	<a href="mailto:BenjaminHansen@Freightliner.com">BenjaminHansen@Freightliner.com</a>
Tech Meeting Coordinator	Open, volunteers?		
Lunch Meeting Coordinator	Stephen Thorud	(503) 745-7141	<a href="mailto:StephenThorud@Freightliner.com">StephenThorud@Freightliner.com</a>
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## 4th Annual OSAE Student Night

Come hear students from OSU, PSU, UP, and OIT give presentations about last year's SAE Mini Baja and Formula experiences, and hear their plans for this year. The presentations will be a fun way to hear what type of unique automotive engineering has gone into each team's vehicle. This is the first time to meet the SAE student teams for the 2006-07 school year and even see some of last year's vehicles. SAE Members can be valuable contacts for the students and are urged to attend. Come see last year's cars and ask the students questions regarding their designs.

**When:** Monday October 30th at 6:30-9 pm (security gate closes at 7 pm)

**Where:** NW Natural Auditorium (same place as last year)

7100 SW McEwan Rd. Lake Oswego, Or 97224 [map](#)

**Food:** Sub sandwiches, salad, and soda

**Cost:** \$10/person, \$5/student, free to those presenting, with all the proceeds going to students.

**Please RSVP** Mike Dragulin 503-745-6558 or [MikeDragulin@Freightliner.com](mailto:MikeDragulin@Freightliner.com) by **Mon, Oct 23rd**



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## Tour of Radio Station KBPS “All Classical FM Radio 89.9” and KBPS AM

Learn the technology behind the scenes of the only all-classical, commercial-free radio station in Oregon. See how the station broadcasts 24 hours per day from an antenna tower that is shared by 4 other stations. Watch how they retrieve and play specific recordings, and the future of the CD medium. Meet and greet the on-air announcer.

- Historical presentation by Sally Lewis – Director of Development & Public Relations.
- Technical presentation by Chief Engineer – Larry Holtz

**Date:** October 13, 2006

**Time:** 11:45 AM to 1:00 PM

**Place:** KBPS Radio station 515 NE 15<sup>th</sup> Avenue in back of Benson High School, [map](#)

**Reservations:** Required by Oct 11th to Gregg Woods 503-297-2776 or [gregg@gnfreund.com](mailto:gregg@gnfreund.com)

Group is limited to first 25 people. Guests welcome!

**Cost:** \$7 For lunch meal

**Parking is limited. Car pooling is recommended**

## Help the SAE Foundation Simply by Searching the Internet!

How many times a day do you search the Internet? What if something you do everyday could become a donation to the SAE Foundation? Now it can.

GoodSearch.com is a new Yahoo-powered search engine with a unique social mission; every time you use GoodSearch, money is generated for the SAE Foundation.

Last year, search engines generated close to \$6 billion in revenue from advertisers. By using GoodSearch.com as your search engine part of this advertising revenue can now be directed to support the SAE Foundation.

**How does it work?** GoodSearch works like any other search engine and since it's powered by Yahoo! you receive high-quality results. Once you select the SAE Foundation as your charity, GoodSearch will donate half its revenue, about a penny per search, to the SAE Foundation.

For as many times a day as we search the Internet, those pennies will add up quickly. For example, if just 1,000 members used GoodSearch.com for two searches a day the SAE Foundation would earn about \$7,300 in just one year!

Go to [goodsearch.com](http://goodsearch.com) today and start searching!

Thank you for your continued and generous support of the SAE Foundation and its educational programs.

Best wishes,

SAE Foundation Staff

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### Saturday Academy High School Apprenticeships in Science & Engineering (ASE) Summer 2007 Program Call for SAE Mentors & Student Applicants

**A recruiting alternative that works!** Saturday Academy's high school Apprenticeships in Science and Engineering (ASE) Program has seventeen years of successful collaboration with Oregon and SW Washington employers and their practicing professional scientists and engineers to develop an indigenous technical work force pool for the future.

**Tired of competing for a limited pool of talent?** Job and career fairs, employment open houses, heavy media advertising, and finders bonuses are all resource intensive and only compete for a limited pool of existing talent. Help develop a larger work force pool of the future by turning bright high school students on to science, engineering and technology.

**Honor your past mentors!** Who was your significant teacher, advisor or mentor that helped you pursue your own career? You can amplify and return your own benefit to the coming generations. If you don't have the time or student contacts to develop a comprehensive mentoring process, consider the Saturday Academy ASE Program.

(continued on next page)

**Why mentor?** Many students with the potential to excel in science or engineering have only a general idea of what a career in these fields entails. They have little or no contact with adult practitioners until they are well into college or beyond. ASE provides high school freshmen, sophomores and juniors with exceptional opportunities in a professional, scientific or engineering environment. ASE helps them explore, test and refine their interests to make better informed educational and career decisions.

**Why ASE?** The ASE Program provides the infrastructure, contacts, program content and monitoring to facilitate mentor contributions to the education and training of the next generation of professionals. These students make great contributions too! The ASE program combines job application, competition, performance and results reporting in a comprehensive summer experience for high school students to test and refine their interest in science.

ASE provides collaborating professionals the opportunity to screen students for tracking to a longer term relationship as they pursue their education. Many collaborating employers hire their ASE students back, and support them as college co-ops or interns all with the intent or agreement to hire the student when they graduate from college.

**The Summer 2006 ASE Program** served 138 students selected from 344 applicants by the mentors. Most if not all of the unsuccessful applicants were capable of succeeding as apprentices had more positions been available. The apprentices were mentored by employees of 47 collaborating employers. Counting the summer 2006 program, ASE has served 2,661 students in 17 years of operation.

**Diversity Accomplished!** Apprentice selections continued to be gender, minority and economically disadvantaged blind in 2006. The program results continue to exhibit mentor selections which are helping to break the stereotype of who can be scientists and engineers in the future.

Female applicants were 40.7% of the pool with 43.7% of the position selections going to females. The minority applicants were 33.7% of the pool leading to 36.6% being selected. The economically disadvantaged applicant category at 15.7% resulted in 17.6% being selected as apprentices.

**Volunteers Make It All Work!** The strength of the ASE Program lies in the number, enthusiasm, caliber, professional and academic attainment of the volunteer mentors, speakers and moderators. Primary mentors with doctorate degrees numbered 88 while 25 Midsummer Conference sessions were conducted by volunteers with doctorate degrees and 18 Symposium sessions were moderated by volunteers with doctorate degrees. Degree, license, board certification and attainment of other volunteers is not generally known.

**SAE MEMBERS CAN SIGN UP NOW TO JOIN YOUR COLLEAGUES AND HELP MAKE A DIFFERENCE AS VOLUNTEERS FOR THE ASE SUMMER 2007 PROGRAM! Call (503) 725-2340 or visit the following web site.**

**Further ASE Program information:** ([www.saturdayacademy.org](http://www.saturdayacademy.org)) then "click" on ASE

**OH YES! Registered Oregon Engineers:** OSBEELS Administrative Rule 820-010-0635 adopted in 2003 allows professional development hour (PDH) credit towards the license renewal requirement for registrants who mentor in programs like ASE.

Submitted by: Walter E. Myers, PE (503) 725-2340 [walterm@pdx.edu](mailto:walterm@pdx.edu)  
ASE Mentorship Development