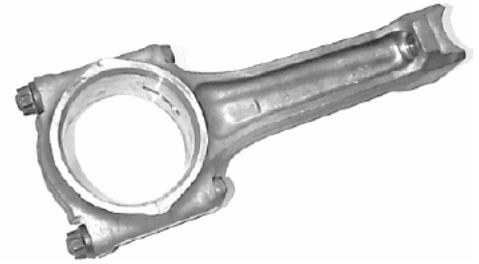


# CONNECTING ROD

The Oregon SAE Newsletter

February 2007

Volume 11 Issue 09



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

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**Section news:** [George Freund wins SAE's Distinguished Section Member Award](#), see page 3.

**Tuesday, Feb 27<sup>th</sup>, 4:30-5:00 PM: OSAE Governing Short Board Meeting**

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

**Tuesday, Feb 20<sup>th</sup>, 6:00: PSU ME Lab and New Engineering Building Tour**, see page 2

**What:** Come and visit many of PSU's research labs and the new engineering building. The new building received a Gold Leadership in Energy and Environmental Design certification. Tour is by Dr. Recktenwald; the chair of PSU's ME department.

**Where:** PSU's Engineering building, 1930 SW 4th Avenue Portland, OR 97201, [map](#)

**Cost:** \$7 members and guests, Free for students

**Please RSVP by Feb 18<sup>th</sup>**, to Andre Susanto at 503-745-2185, [andresusanto@freightliner.com](mailto:andresusanto@freightliner.com)

**Fri Feb 23<sup>rd</sup>, 11:45, Lunch: A Simple High Efficiency SI Engine Design by Mr. Joseph Brady.**

**What:** This technical lunch will provide an overview of the results of Joseph M. Brady's 15 year commitment to research and development of an innovative 4-stroke Spark Ignition engine concept that has exhibited a 10% increase in fuel economy after 250+ hours of test runs. His efforts have resulted in an SAE paper, a patent, a concept prototype, and a presentation at the 2003 SAE World Congress. A prototype engine will be on display.

**Where:** Round Table Pizza, 10150 SW Beaverton Hillsdale Hwy., Beaverton, OR 97005, [map](#)

**Cost:** \$8 guests and members, \$5 students.

**Tuesday Feb 27<sup>th</sup>, 6:00 pm: Student Career Night at Portland State University**

**Students**, if you want a job after graduation, this is for you! Come find out what five managers look for in new hires, resumes and an overview of the work environment. Also hear from five recent grads about what they did to get their sweet job and what they wish they did in school to better prepare them for work. Free pizza will be provided!

**Where:** Native American Student CC (NASCC), 710 SW Jackson St. room 110. [map](#)

**Students please RSVP by Feb 22<sup>nd</sup>** to [MikeDragulin@freightliner.com](mailto:MikeDragulin@freightliner.com) (503) 745-6558

**FYI:** 43rd Annual Engineers Week High School Banquet: Wed. February 21, 2007. See page 4.

**Important:** Pre-registration is required for [March 15th Evening Tech Meeting](#). Space is limited! We have invited Mark Pflederer, SAE International's VP of Commercial Vehicle Business to talk about his experiences and what he sees as the outlook of SAE and the business.

Please contact Stephen Thorud: [stephenthorud@freightliner.com](mailto:stephenthorud@freightliner.com) or call 503-745-7141



Oregon Section Presents:

## PSU Mechanical Engineering Lab and New Engineering Building Tour

If you are interested in features of an environmentally friendly building, interested in NASA experiments, or interested in perusing an engineering degree, then this tour is for you. Come and visit many of PSU's research labs and the new engineering building. The new building received a Gold LEED (Leadership in Energy and Environmental Design) certification. The tour will be hosted by Dr. Recktenwald; the chair of PSU's ME department. It will include demonstrations of some of the lab's experiments as well as a tour of the building's eco-friendly features.



The tour will include the Fluids Measurement Laboratory; to which Freightliner LLC ([www.Freightliner.com](http://www.Freightliner.com)) has donated a substantial amount of money to. This lab includes researches in micro gravity fluid behaviors; with experiments done by NASA astronauts. The tour will also include researches in hypothermia treatment, their micro wind tunnel and many others.

**When:** Feb 20<sup>th</sup> 2007 starting at 6:00pm;

**Cost:** Food and drinks will be served for \$7/member and free for students.

**Where:** Meet at Lounge 80-06 (lounge at the bottom of the stairs) at PSU's Engineering building (1930 SW 4th Avenue Portland, OR 97201) [map](#)

**Please RSVP by Feb 18<sup>th</sup>**, to Andre Susanto at 503-745-2185, [andresusanto@freightliner.com](mailto:andresusanto@freightliner.com)

Please visit their website at <http://www.me.pdx.edu/> for more information.

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### 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>
VC Student Activities / Scholarship	Mike Dragulin	(503) 745-6558	<a href="mailto:MikeDragulin@Freightliner.com">MikeDragulin@Freightliner.com</a>
VC Motorsports	Vijay Gopalswamy	(503) 745-8749	<a href="mailto:VijayKGS@Freightliner.com">VijayKGS@Freightliner.com</a>
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VC Investment Committee	Mike Eagan	(503) 703-0455	
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It is our great pleasure to announce that long-time OSAE member, George Freund has been selected to receive SAE's Distinguished Section Member Award. This is SAE's highest Section involvement honor, recognizing his dedication and contributions to SAE International and the Oregon Section.

All Distinguished Section Members will be honored and recognized at SAE's annual Worldwide Congress in Detroit on Tuesday, April 17 2007, during the SAE Awards Ceremony: Honoring Excellence.



George joined SAE as a student member in 1957, while enrolled at Newark College of Engineering (now known as N.J. Institute of Technology). He co-founded the SAE Student Section at that college.

Graduating with a BSME degree, George began his career in 1959, as an engine development engineer at Mack Trucks, Inc. in Plainfield, N.J., later working in stress, vibration and failure analysis. SAE granted him Member status in August of 1959.

Following 6 months of active military duty, George joined Allied Chemical Corporation's Plastics Division, in Morristown, NJ, as an Applications Engineer. During this tenure, he completed a Master of Science Degree in Mechanical Engineering at his alma mater in 1962.

At Allied Chemical, George became a New Market Development Specialist for plastics materials in Dayton, OH and Detroit, MI. He rose to Manager – New Market Development in Detroit, MI. In 1970, he completed his Masters Degree in Business Administration at the University of Detroit.

In 1971, George joined Evans Products Co., in Portland, OR as Director of Marketing and New Product Development. Upon leaving Evans in 1974 he founded G.N. Freund Associates, Inc., a manufacturer's representative firm specializing in component parts for commercial vehicles, where he remains active today.

In Portland, he became active in the Oregon Section SAE, serving as Section Chairman in 1984-5 and again in 1997-8. The Section received the Outstanding Section award for 1984-5 accomplishments. Always active at the section level, George has volunteered in many sub-committees including West Coast Meetings, Spouses Activities, Mini Baja. He has assisted students in job-hunting activities and resume preparation, recruiting them to SAE Section activity as a result. Recently, George was Chair of the Oregon Section Investment Committee and remains a board member for the Oregon Section. He was named "Outstanding Senior Member in 2002."

Always a car-enthusiast, George resides in Portland, OR with his wife Rita, who he met at the Volkswagen Club of North Jersey in 1963. They married in 1964 and still retain the 1964 Volvo in which they dated. The Volvo was restored in 1991, by George and teen-aged Son, Eric. When not involved with business, or enjoying SAE activities, George loves downhill skiing, driving and showing his Jaguar or bouncing in the boonies with "Daffy" the yellow Jeep.

**We whole-heartedly congratulate George for his well deserved award!**



**ENGINEERS  
WEEK® 2007**  
February 18-24

# 43<sup>rd</sup> Annual Engineers Week High School Banquet

Wednesday, February 21, 2007  
Lloyd Center DoubleTree Hotel

This annual event invites students from Portland, Vancouver and Salem area high schools to spend a day exploring engineering. High school students are partnered with local engineers and immersed in a day of engineering – through tours, exhibits and speakers

Each year, the local engineering community holds the Engineers Week High School Student Banquet. Students are invited from Portland, Vancouver and Salem area high schools. Schools provide names of students whose interests and talents lend themselves to the field of engineering or are considering engineering careers. Each student is hosted by an engineer who has volunteered to attend the banquet. It is \$60 for one engineer to host one student. For companies and organizations interested in hosting a banquet table, there is a special sponsorship level – please contact Tova Peltz for more details (tpeltz@gri.com). Hosts are encouraged to invite their student to visit their place of work. Hosts may also attend a scheduled technical tour with their student. **We are seeking your help hosting students and sponsoring 100% of student attendance at this year's Banquet!**

**Event Location:** Double Tree Hotel, Lloyd Center, Portland, OR

**Event Schedule:** 2:00 – 4:30 pm Student / Host Tours  
4:30 – 6:30 pm Displays and Exhibits  
6:30 – 9:15 pm Dinner and Program

**Student/Host Tours:** OHSU Tram / South Waterfront development  
Portland Bridges: Behind the Scenes + ODOT Control Center  
Adidas Research & Development laboratory (tentative)

**Program Speakers:** Anne Wright / NASA Ames Research Center  
Leila Hasan / Carnegie Mellon University

Ms. Wright and Ms. Hasan are team leaders of the Global Connections Project, a collaborative project of NASA, Carnegie Mellon University, Google, and National Geographic. The Global Connection Project team develops software tools to increasingly automate earth visualization processes. These tools are a resource for an earth imaging browser, like Google Earth, to collect pictures and stories of real people and places, and to create global-community connectivity. The software uses information available about natural events, and real-time images of the Earth's geography, to spearhead global disaster response and connect the world to global events.

This year hosts will be put in contact with their high school student(s) two weeks in advance of the event to facilitate day-of-the-event planning. We will also provide hosts with a useful "hosting" kit.

To host students, please return a completed sign up form to Patrick Van Duser, Engineers Week Banquet Committee Co-Chair (address is on the form). If you are able to host more than one student, your help will be greatly appreciated. Also, if you are unable to attend the banquet, please consider simply sponsoring students, so that we may accommodate more students at the banquet. **Thank you for your support.**

Patrick Van Duser, PE  
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