



Connecting Rod

October 2009



Oregon SAE Newsletter

Volume 14 Issue 5

Governing Board Meeting

When: October, 27th; 4:30pm

Where: Room 1J, Daimler Trucks Corporate Building, [4747 N Channel Ave, Portland OR](#)
Meeting minutes and agenda are located at <http://www.oregonsae.org/GovBoard.html>

Friday Lunch Meeting

What: Principles behind Successful Sealing for Industrial Applications.
Speaker: Mr.Quinn Collett from Trelleborg Group.

When: Friday, October 16, 2009; 11:45am -1:00 pm

Where: Lincoln Towers – 2 Lincoln Building. 2nd Floor Conference Room,
10220 SW Greenburg Road, Portland, OR 97223. [map](#)
Off Hwy 217 & Greenburg Road – Across from Washington Square Mall.

RSVP: Gregg Woods at 503-297-2776 or Via email at
Gregg@gnfreund.com by Wednesday, October 14th.

Cost : \$8 for Members & Non-members, FREE for students.
Sandwiches, Chips and Drink will be provided.

Tech Meeting – October

What: First US-Made Modern Streetcar by Oregon Iron Works.
Speaker: Leon I. Kaunitz from Oregon Iron Works.

When: Wednesday, October 7, 2009, 6:00 - 8:30 pm.

Where: Daimler Trucks NA (Freightliner). Corporate Conference Center.
4555 N. Channel Ave, Portland OR. [map](#)

RSVP: Rebecca Bauman at: Rebecca.Bauman@Daimler.com

Cost : \$3 SAE Members, \$5 non-members, FREE for students. Light snacks will be provided.

News/Announcements

Oregon SAE Annual Student Night – November 2009.

Get ready to see Oregon's best student minds present their project plan for the coming year.
Location and Time – TBD.

Section Officers, 2009-2010

Chair	Katie Knudson	(503) 745-2004	Katie-jo.Knudson@daimler.com
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Lunch Meeting

Principles behind Successful Sealing for Industrial Applications

Speaker: Mr. Quinn Collett from Trelleborg Group

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About Trelleborg:

Trelleborg is a global engineering and manufacturing group focused on developing high performance solutions that seal, damp and protect. The Sealing Solutions division focuses on high performance plastic and elastomer seals, bearings and bushings. In this meeting, we will discuss the principles behind successful sealing, automotive, aerospace and industrial applications and discuss the future of rubber and plastic technologies. We will also open it up to Q&A for specifics.

The website gives some additional detail about Trelleborg: <http://trelleborg.com/en/>

Sealing Solutions can be found at <http://www.tss.trelleborg.com/us/www/en/homepage.jsp>.



First US-Made Modern Streetcar by Oregon Iron Works

Speaker: Leon I. Kaunitz from Oregon Iron Works

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Corporate Conference Center.
4555 N. Channel Ave, Portland OR. [map](#)

RSVP: Rebecca Bauman at: Rebecca.Bauman@Daimler.com

Cost : \$3 SAE Members, \$5 non-members,
FREE for students.
Light snacks will be provided.



Summary:

The presentation outlines the development and the process of re-introducing the streetcar rail vehicles in the US manufacturing. Some of the topics included are:

1. Brief presentation of the Company: OIW/United Streetcar LLC
2. Brief description of the modern streetcar and light rail industry in US
3. Brief summary of the prototype development process
4. Review and description of the vehicle technical parameters and systems: propulsion, body, traction and mechanical systems, electrical systems, software/control
5. New orders and new design activity

About Oregon Iron Works:

OIW was founded in 1944. It started as a metal fabricator and manufacturer of bridges. Currently the company produces a wide variety of products in many sectors. OIW is a small company with facilities located in Clackamas and Vancouver, Oregon. Currently it is the only US manufacturer of modern streetcars. OIW has recently won two new contracts to manufacture vehicles for the city of Portland and for the city of Tucson.

About the Speaker:

Leon I. Kaunitz - Program Manager and Engineering Manager for OIW/United Streetcar. Leon is a mechanical engineer specialized in design/engineering of new vehicles. Leon worked for more than 8 years in Europe in a bus company where he led the design and engineering of three new vehicles. He later moved to US and was in charge of new products design and development and led design and engineering for the new Peterbilt 387, class 8 trucks. He later moved to Freightliner and was part of the new products development leading the vehicle concept design and then the body design and engineering for the newest Freightliner trucks. At the end of 2005 Leon started with OIW/United Streetcar. He led the technology transfer, design and development and then the manufacturing of the first US made modern streetcar - model 10 T3. Currently Leon is managing the design, engineering and development for the new streetcar orders (for the cities of Portland and Tucson).



Oregon SAE Annual Student Night – 2009

Come see Oregon's best student minds present their project plan for the coming year.

What: Annual Student Night 2009

When: Nov, TBD

Where: TBD (NW Natural or RG Center DTNA)

Cost: Free to students. \$10 for members

RSVP: Suman Narayanan at Sumanoharan.Narayanan@Daimler.com

SAE student members from Oregon's universities will present their project plan for the year 2009-2010 competitions. This is a great opportunity for the teams competing in Aero Design®, Formula SAE® series and Baja SAE® series from different universities to interact and present their ideas and goals. This event will also mark the first milestone in receiving the Oregon SAE Student Grant.

This is also a great opportunity for professionals, who are interested in hiring, to meet and interact with the best and brightest of potential graduates.

We are pleased to announce that this year's Student Night will begin with guest speaker Elizabeth Lions, Author of "Recession Proof Yourself!" Elizabeth is a renowned national professional speaker and career counselor that specialize in working with engineering talent. Throughout most of her career, Elizabeth was a headhunter and has held thousands of conversations with hiring managers across the country. She understands why an individual is hired, fired or promoted in this tough economy. Elizabeth will provide a sound strategy for students to market themselves, despite the recession. Worth noting, Elizabeth sits on the Advisory Board of Directors for Portland Community College in Technology Division and has been a contributing writer for IEEE-USA in Today's Engineer. For more information about Elizabeth please visit www.elizabethlions.com