

# CONNECTING ROD

The Oregon SAE Newsletter

November 2006

Volume 11 Issue 06



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

**Tuesday, Nov 28, 4:00-4:30 PM: OSAE Governing Board Meeting (short format)**

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

**Friday November 17, 11:45, Lunch: How to Build a Tram (see page 3 for details).**

**What:** Come and hear architect Robert Barnard describe and explain the technical challenges of constructing the now-famous OHSU tram. Mr Bernard is on-site full-time manager.

**Cost:** \$8 for a lunch meal, \$5 students.

**Location:** Old Spaghetti Factory, 715 SW Bancroft St., Portland, OR 97239 [map](#)

**Reservations Required by Tuesday, Nov 14:** Betty Kendall (503)223-0016 [bettykendall@aol.com](mailto:bettykendall@aol.com)

**Thursday November 30<sup>th</sup> 2006, 6:15pm: GD&T; When do you need it? (see page 4 for details).**

**What:** Dr. Faryar Etesami from PSU will address the issues of when and how much GD&T are required on a drawing. Determining fit and function of a part and applying the appropriate GD&T.

**Cost:** \$8 for a meal, \$5 students.

**Location:** Freightliner Truck Headquarters Cafeteria, 4435 N Channel Ave, Portland [map](#)

**Please RSVP by November 28th:** Andre Susanto, (503) 318-2547 or [AndreS@email.sae.org](mailto:AndreS@email.sae.org)

**Paid advertisement: Job position: Senior Mechanical Forensic/Consulting Engineer (page 2).**



**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**

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Secretary  
Tech Meeting Coordinator  
Lunch Meeting Coordinator  
VC Student Activities / Scholarship  
VC Motorsports  
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VC Investment Committee  
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[GeorgeGvakharia@Freightliner.com](mailto:GeorgeGvakharia@Freightliner.com)

Paid Advertisement:

## Senior Mechanical Forensic / Consulting Engineer

**Scope of position:** Work as a part of an engineering consulting staff in the field investigation, analysis, and reporting for numerous projects, most of which fall into the forensic category. The firm's scope of services includes vehicular accident reconstruction including cars, heavy trucks, motorcycles, karts, ATV's, pedestrians, aircraft, product failure / defect investigation and analysis, material failures, lighting issues, fire cause investigation, marine accidents, industrial accidents, acoustic and vibration effects, slip and fall investigation, HVAC and electrical system problems, highway design problems, building and substructure failures, seismic issues, structural damage to other structures, water intrusion into buildings, indoor air quality, storm water and drainage, water supply, sewage, and soils oriented issues. Work as a project manager / engineer on these cases as appropriate to qualifications and occasional mechanical engineering design or testing projects. Communicate verbally and through written reports with clients and testify in court as an expert witness. Report to firm's president, a P.E.

This is a senior level project engineering position which involves interaction with other project engineers, support staff, clients (companies, insurers, attorneys, private parties, governmental entities, etc.), judiciary entities, and others as part of a forensic engineering consulting firm. We have non-smoking offices on the east side of Portland and require travel to sites around Oregon and occasionally out of state.

**Qualifications:** B.S., M.S. or PhD. in Mechanical Engineering. Registered (or eligible) Professional Engineer (Mechanical) in Oregon. Experience in a broad range of mechanical engineering analysis, testing, and design. Interest and ability to continually learn and enhance professional capabilities and accreditations, participation in appropriate professional organizations. Excellent verbal and written communication skills. Self-motivated, high integrity, able to work independently but also in concert with other specialists.

**Physical requirements:** Able to drive to sites, crawl under vehicles or into small spaces and climb ladders to investigate field and equipment conditions, handle and retrieve evidence, etc.

**Company Profile:** Talbott Associates Incorporated continues to build on a 46 year national reputation for competence and integrity as a multi-discipline engineering consulting firm, owned by employees. The firm supports continuing education and participation in professional societies.

Full time preferred, part time / flex time possible, full benefits for F/T, equity position strongly encouraged, compensation based on capability and contribution.

Send resume to [tboyer@talbottassociates.com](mailto:tboyer@talbottassociates.com) or call Tom Boyer, President or David Karlin, Vice-President at (503) 256-3852

Company Vision Statement + Info at: [www.talbottassociates.com](http://www.talbottassociates.com)



7 SE 97<sup>th</sup> Avenue  
Portland, OR 97216-2427  
(503) 256-3852  
FAX (503) 252-7806

Oregon SAE Friday Luncheon:

## ***How to Build a Tram!***



Come and hear architect Robert Barnard describe and explain the technical challenges of constructing the now-famous OHSU tram. Mr. Barnard has been involved with this project from the early design phase through the engineering and on into construction, as the on-site full-time manager.



**Friday November 17, 11:45 am**

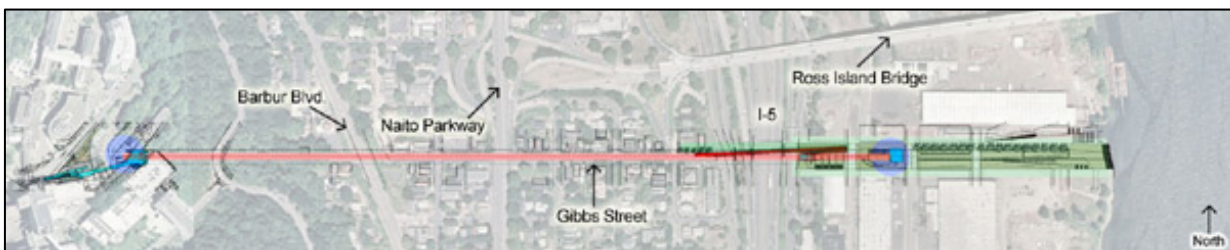
**Cost:** \$8 for a lunch meal, \$5 students.

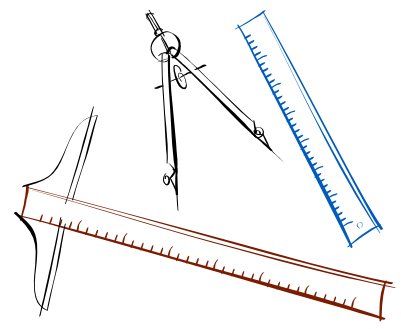
**Location:** Old Spaghetti Factory, [map](#)  
0715 SW Bancroft St., Portland, OR 97239

**Menu:** Choice of spaghetti, meatball sandwich, or Caesar salad with bread, salad, coffee/tea/milk included.

**Reservations Required by Tuesday, November 14 to:**

Betty Kendall (503) 223-0016 or [bettykendall@aol.com](mailto:bettykendall@aol.com)





Oregon SAE Evening Technical Meeting:

# GD&T

## When do you need it?

Geometric Dimensioning and Tolerancing is an important part of any design engineer's work; especially when the work involves a physical part. Many engineers have a love/hate relationship with GD&T and are content with simple tolerances.

This seminar will address the issues of when and how much GD&T are required on a drawing. Determining fit and function of a part and applying the appropriate GD&T.

Dr. Faryar Etesami is a professor at Portland State University's Mechanical and Materials Engineering department. He specializes in Mechanical Design, Computer-Aided Design, Mechanical Tolerancing, and Statistical Process Improvement.

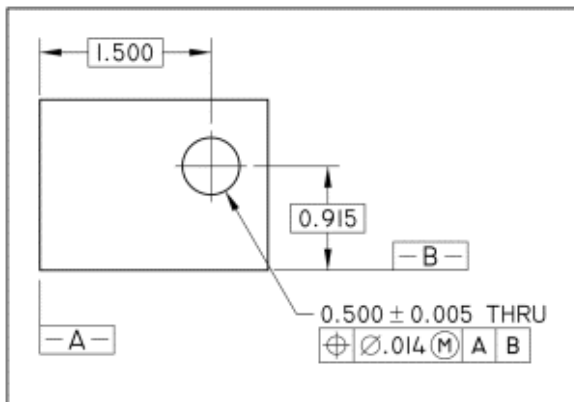
**Where:** Freightliner Truck Headquarters Cafeteria [map](#)  
4435 N Channel Ave  
Portland, OR 97217

**When:** Thursday, November 30<sup>th</sup> 2006, 6:15pm

**Agenda:** 6:00-6:30 dinner/social  
6:30-7:30 presentation  
7:30-8:00 Q&A

**Cost:** \$8 for a meal, \$5 students.

**Please RSVP by November 28<sup>th</sup> to:**  
Andre Susanto, (503) 318-2547 or [AndreS@email.sae.org](mailto:AndreS@email.sae.org)



GD&T Method

