

ENGINEERS MAKE IT WORK.

**46th Annual
Engineers Week
High School Program**

Event Schedule

Thursday, February 18, 2010

**Lloyd Center DoubleTree Hotel
1000 NE Multnomah Street, Portland**

- 1:30-2:00 Students, teachers + engineer chaperones sign in for field trips, pick up name tag.
- 2:15 Field trips depart.
 - Port of Portland / Portland International Airport Expansion construction
 - Portland bridges and ODOT Traffic Management Operations Center
 - Twelve West Building – LEED certified green building
 - Rockwell Collins research and development facilities
 - Boeing design and manufacturing facilities
 - Legacy Biomechanical Laboratory
 - Daimler Trucks North America Wind Tunnel & Product Validation facilities
 - Precision CastParts design and manufacturing facilities
- 4:30 Student/teachers/engineer chaperones return from field trips.
- 4:30-6:15 Students, teachers and parents explore Exhibit + Information Halls.
- 4:30-6:15 Engineers participate in Information Hall and talk to students about different engineering disciplines.
- 6:15 Banquet Hall opens. Find your seats.
- 6:30-8:30 46th Annual Engineers Week High School Dinner Banquet.
- Speaker: Matthew Markstaller
Research & Development Senior Program Manager
Daimler Trucks North America
- Topic: “Engineering solutions for the Freightliner Wind Tunnel”
- Summary: Daimler’s full scale wind tunnel is located at their Product Validation Facility on Swan Island, in Portland, Oregon. Matt’s presentation will explain the project limitations (money, time and space) and the unique solutions he and his design team developed to mitigate the limitations in order to build the first full scale wind tunnel of its type in North America. Daimler uses this wind tunnel to test large truck designs– and also shares the facilities for other types of wind testing, from high elevation backpacking tents to racing motorcycles.

Register online at www.asceor.org/eweek .

QUESTIONS? Contact Tova Peltz at tova.r.peltz@odot.state.or.us or 503-731-4850.