

NORTHWEST SCIENCE EXPO SYSTEM

2009 Annual Report

The Northwest Science Expo System (NWSES) is a system of fairs affiliated with the Intel International Science and Engineering Fair, the world's largest international pre-college science competition, which is a program of the Society for Science and the Public. NWSES provides opportunities for middle and high school students statewide to participate in scientific research. The Center for Science Education (CSE) at PSU administers the NWSES by providing leadership and support.

The Natural Science Inquiry class offered through CSE provides students participating in NWSES fairs four general science college credits for work done on their

research projects. Through supporting development of more Intel ISEF fairs and teacher development programs, CSE is increasing access to "learning science by doing science" for more students in our community.

NWSES is proud to welcome the support of the Oregon University System (OUS) as a presenting sponsor this year. Many students who participate in the fairs are candidates for admission to OUS schools, several of which provide scholarships for students at the regional fairs and the state fair. We are also pleased to welcome Applied Materials to our list of sponsors. Additional levels of sponsorship are available to support Team Oregon each year.



Team Oregon included 40 students presenting 26 projects at Intel ISEF. They were selected from the 1392 middle and high school students who participated system-wide.

Team Oregon won 15 Grand Awards, a 58% success rate, and 11 special awards, an accumulated total of \$237,000.

Award winners represent every fair in the Northwest Science Expo System that sent participants to Intel ISEF.

The Northwest Science Expo System

Intel Northwest Science Expo

Location: Portland State University, Portland
Director: Stephanie Jones

Aardvark Science Expo

Location: Oregon Episcopal School, Portland
Directors: Bill Lamb, Tanja Horvat

Beaverton-Hillsboro Science Expo

Location: Intel Jones Farm Campus, Hillsboro
Directors: Melissa Potter, Chris Steiner

Central Western Oregon Science Expo

Location: Linn-Benton Community College, Albany
Directors: Dan Lara, David Hackleman

CREST-Jane Goodall Science Symposium

Location: West Linn High School, West Linn
Director: Amy Schauer

Portland Community College Science Expo

Location: PCC Sylvania Campus, Portland
Director: Stacey Fiddler

Portland Public Schools Science Expo

Location: Benson High School, Portland
Director: Nancy Lapotin

Southwestern Oregon Regional Science Expo

Location: Southwestern Oregon Community College, Coos Bay
Director: Robyn Darbyshire

System Sponsors

Presenting Sponsor:

Oregon University System

Bronze Partner:

Applied Materials

TEAM OREGON

All members attend the Intel International Science and Engineering Fair.





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The Intel Northwest Science Expo (NWSE) is the premier forum for the young scientists, engineers, and mathematicians of Oregon and Clark County, Washington, to showcase their talents. It is the state-level fair in the NWSES.

Fair Statistics

High School Students	222
Middle School Students	329
Total Students	551
High School Projects	186
Middle School Projects	283
Total Projects	469
New Adult Sponsors	41
Total Adult Sponsors	118
New Participating Schools	19
Total Participating Schools	75
Special Award Sponsors	48
Total Awards Given	312
Volunteer Judges	257



*Eric Larson of South Eugene High School
Winner of Best in Category, First Place Grand Award,
United Technologies Award and Seaborg SIYSS Award
at the 2009 Intel ISEF in Reno, Nevada.*

Intel NWSE Sponsors

- Title Sponsor:** Intel Foundation
- Presenting Sponsors:** Portland State University
Vernier Software and Technology
Edward and Romell Ackley Foundation
- Gold Partner:** PSU Center for Science Education
David and Christine Vernier
- Bronze Partner:** Madden Industrial Craftsmen
Genentech
Bill Becker
- Investor:** AREVA
Bonneville Power Administration

Scholarships

- Portland State University
 - Oregon State University
 - University of Oregon
- The OUS awarded \$228,000 in four year scholarships.
- Lewis and Clark College
- Seventeen high school first place category winners qualified for a 1/4 year tuition and fees scholarship.

Intel NWSE Budget

Due to the generous support of our sponsors we have been able to meet our operations budget of \$110,000 for the 2008-09 fiscal year.

Highlights

"It was my first time judging and I was amazed at the quality of projects that students presented. It was a pleasure to be part of the journey of developing minds." —Elizabeth Traczyk

Of particular note in our post-fair statistics is the fact that female high school participants outnumbered male high school participants by 16. Thanks to some timely coverage in the Oregonian, we saw record numbers of local professionals turn out to judge. We also helped nearly 100 college students get extra credit in their chemistry classes by tracking their volunteer hours at the fair and submitting the info to their instructors.

*"Thanks so much for another great experience at NWSE!
I really enjoyed coming to PSU and talking with the judges."
—Matthew Nugent*