

For High School and Community College Faculty

Teaching Workshop:

The Virtual Chemical Vapor Deposition (CVD) Laboratory

Oregon State University

Corvallis, OR

August 6-7, 2008



The Virtual CVD Laboratory allows your students to practice skills currently used in the microelectronics industry, in much the same way a flight simulator is used for training pilots. The laboratory is housed within a three-dimensional (3D) graphical user interface where students become familiar with the appearance of a cleanroom in a comfortable environment, similar to popular video games. CVD reactor operation and wafer measurements have costs associated with them adding a realistic economic constraint.



Come to the **Virtual CVD Workshop** and:

- Learn to enhance student understanding of experimental design in an authentic, real-world context.
- Participate in separate high school and community college breakout groups where model curriculum and assessment will be presented.
- Address:
 - Increased graduation requirements for high school science (from 2 to 3 courses per year and include laboratory experiences for scientific inquiry).
 - The Oregon Essential Skills that include the ability to apply mathematics in a variety of settings, think critically and analytically across disciplines, and use technology to live, learn and work.
 - The Oregon Science Standards will explicitly address students' knowledge of and ability to engage in engineering design.



Travel funds available
Also receive up to \$500 in stipend

For more information and to apply:
<http://cbee.oregonstate.edu/education>

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