

# ***STEM Workforce Development Program Office***

## **US Department of Energy's Real World Design Challenge**

The University of Hawai'i STEM Workforce Development Program Office invites you to participate in the US Department of Energy's Real World Design Challenge, an exciting program that aligns secondary education with 21st Century workforce needs. All tools, design problems and participant roles are based in reality, making the experience relevant and compelling to students.

### **Professional development for teachers:**

- Each team will receive FREE permanent licenses and upgrades of Pro/ENGINEER Wildfire design software (300 seats plus student home use, worth \$900,000) and one license of EFD.Pro fluid dynamics simulation program.
- FREE hands-on teacher training, project-based curriculum and online support from professionals at national laboratories.
- Learn a cutting-edge and multi-purpose CAD software program including collaboration tools.

### **Opportunities for students:**

- Learn professional tools and work with mentors from the US Department of Energy (DOE), the Federal Aviation Administration (FAA), industry experts and higher education.
- Tackle a real-world engineering problem in a context that addresses national standards in science, mathematics and technology.
- Have submissions evaluated by a Peer Review Committee, just as professional work is reviewed. Each participating Hawai'i team will be invited to attend an awards ceremony hosted by Governor Lingle. The winning Hawaii team will be sponsored (all expenses paid, up to 7 students and 1 teacher) by the US DOE to represent Hawai'i at the National Challenge in Washington, DC

### **Upcoming program dates:**

- \*Free four-day teacher training: July 13-16, location: UH Manoa, POST Room 214. Please register online by visiting: <http://www.ptc.com/appserver/mkt/etd/workshop.jsp?&dbkey=900>
- Challenge is released Oct 1, 2009 and teams may begin registering (see Dept of Energy link below).
- Governor's kickoff ceremony: TBD

For more information and to register for the training visit

<http://www.scied.science.doe.gov/RWDC/index.html>

Contact: Jeff Bloom or Leyla Cabugos at 808-539-3824 or [stemwd@hawaii.edu](mailto:stemwd@hawaii.edu)

\*Travel stipends available for neighbor island teachers, contact Jeff or Leyla for details

*Training sponsored by the College of Engineering, University of Hawai'i at Manoa*