

Community Engagement Opportunities

CE-CERT's mission is to educate future generations of engineers, scientist and policy makers, and to conduct research in the areas of air quality, energy and transportation.

CE-CERT's designed opportunities that will result in positive exposure for your group, excite young students to pursue careers in engineering and environmental sustainability, and improve their presentation skills, policy awareness, and critical thinking of students.

General Community Engagement Opportunities - University of California, Riverside serves the public through providing education, conducting research and informing the nation and world on economic, social, cultural, and environmental issues. CE-CERT understands that public knowledge is crucial to addressing some of the major issues that our nation faces. Some of the events we hold to help inform the public include:

Date	Name
March	Sustainable Transportation Policy Forum topics of sustainability and environmental issues
April	PEMS Conference (emissions measurement and policy implications)
May	Board of Advisors & General Open House
June	Solar Conference – Inland Empire Focus
October	STEP Conference
Nov/Dec	Shanghai Exchange Program

STEM Focused Engagement - CE-CERT has had several ongoing successful programs designed to engage, excite and demonstrate the interdisciplinary nature of STEM education for grades 9-12 as it applies to engineering.

Hands On Learning in Our Laboratories

CE-CERT co-hosts an annual Science Technology Education Program (STEP) Conference with Bourns, Inc. to educate students about the importance of science and math. A dozen high school classes visit CE-CERT graduate students in their laboratories to learn about various environmental topics such as: how intelligent transportation technologies work, how to make solar panels, making alternative fuels from waste, and how air pollution is formed and how it affects climate change.



Curriculum Development & Implementation



Solar Energy- Alvord Solar Energy Education Program. CE-CERT designed an eight week course carrying out five units of credit towards graduation. The sessions were designed to be one hour in length, one session per week, with an emphasis on hands-on activities to introduce kids to what solar energy is all about and how to make solar panels.