



*Inspiring students
to pursue careers in
science, math,
engineering, and
technology.*

STEP 7 Conference Participant Highlights

DISCOVERY ZONE

ABBOTT VASCULAR: The world leader in the design and development of cardiovascular medical products displayed some of its line of high-tech, life-saving cardiac products.

AMBRYX BIOTECHNOLOGY, INC.: Ambryx Biotechnology Inc. is a biotech company focused on creating new medicine to fight cancer and obesity. Ambryx conducts laboratory research and clinical studies to bring safe and effective products to the marketplace.

AMERICAN SOCIETY OF NAVAL ENGINEERS (ASNE): ASNE consists of military and civilian professionals and students, engaged in or associated with the many facets of naval engineering. ASNE works to advance the knowledge and practice of naval engineering in public and private applications and operations, enhance the professionalism and well-being of members, and to promote naval engineering as a career field.

CALIFORNIA BAPTIST UNIVERSITY, SCHOOL OF ENGINEERING: California Baptist College offers information on opportunities in the engineering educational and career fields. Students were able to interact with hardware used for university student research projects.

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA; COLLEGE OF ENGINEERING: Projects and displays were offered from various departments within the College of Engineering. Students and professors were on hand to offer information about Cal Poly Pomona.

CALIFORNIA STATE UNIVERSITY SAN BERNARDINO, DEPARTMENT OF COMPUTER SCIENCE: Game playing is one area in computer science where graphics and artificial intelligence come into play. Games were demonstrated illustrate this synergy.

COMPUTER SCIENCES CORPORATION (CSC): CSC is the world's third largest provider of IT services. CSC professionals integrate technologies and solutions across industries to create the Best Total Solution™ – uniquely customized to meet the individual business goals of their clients.

EAGLES PEAK CHARTER SCHOOL: Eagles Peak Charter School opened Wathen Aviation High School at Flabob Airport and Medical Office High School Academies in Riverside this year. The Charter will display information relating to Wathen Aviation High School, Young Eagles educational aviation program for children, and Medical Office High School.

ENCOREPHARMA LABORATORIES: EncorePharma laboratories works collaboratively with other organizations, both academic and commercial, in streamlining the introduction of new products to the healthcare marketplace.

GENERAL ATOMICS: Plasma and fusion are the focus of this "high-energy" exhibit. Students were able to interact with General Atomics engineers and scientists, while learning about and playing with plasma globes, infrared detectors, and more.

GOVERNMENT INDUSTRY DATA EXCHANGE PROGRAM (GIDEP): GIDEP provides a valuable technical information link between the government and private business. GIDEP discussed how technology impacts data transfer and dissemination.

JET PROPULSION LABORATORY: JPL has pioneered efforts in deep space navigation and communication, digital image processing, imaging systems, intelligent automated systems, instrument technology, microelectronics, and more. Many of these disciplines found applications outside the planetary spacecraft field, from solar energy to medical imagery.

KAISER PERMANENTE: Kaiser Permanente, America's leading integrated health plan, presented a demonstration of ultrasound. This is technology and innovation that allows us to look beyond the surface. Using ultrasound, we can visualize internal body structures in a non-invasive way, without introducing any radiation into the body.

MEASUREMENT SCIENCE CONFERENCE (MSC): The MSC booth gave students a look at the world of metrology, the science of measurements. Engineers described how measurements impact everyone's daily life.

MESA PROGRAM, UNIVERSITY OF CALIFORNIA RIVERSIDE: The mathematics, engineering, science, achievement program is partnered with UC Riverside to serve schools and students that can benefit from math and science enrichment. MESA helps students by providing fun math based group learning activities, "hands-on" math and science projects, and field trips; in addition, contact with college students, university professors and professionals in math, science, and engineering is emphasized.

MY LEARNING STUDIO: My Learning Studio has Science Kits for students and offers workshops where kids can conduct science projects, learn sign language, or choose from a wide variety of other classes.

NASA DRYDEN FLIGHT RESEARCH CENTER: The world's premier space agency will provide students with a glimpse of what life is like in space. Astronaut equipment and supplies were on display.

MISSION TO MARS: This exhibit displayed a video depicting the launch of the Mars rover and its entry into space.

NAVY (NORCO) - INDEPENDENT ASSESSMENT CENTER: NSWC Corona Division, the Navy's Independent Assessment Agent in Norco, California assesses the effectiveness and reliability of advanced systems and equipment. An Infrared Camera and other measuring devices used for assessment were on display. NSWC Corona engineers were available to discuss the technology with the students.

QMOTIONS: Located in Riverside, QMotions specializes in developing and marketing PC/Console-based active game technologies that deliver "full-motion" participation in video sports games.

RIVERSIDE PUBLIC LIBRARY: Riverside Public Library provided useful information on the various types of library services that are offered to the community.

RIVERSIDE COUNTY AMATEUR RADIO ASSOCIATION: A display was offered that explains how the ionosphere is used for radio communications.

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DEPARTMENT: Provided information on water quality protection best management practices.

RIVERSIDE CITY FIRE DEPARTMENT: Riverside City firefighters will demonstrate various firefighting tools and will display one of their fire engines.

SCIENCE FAIR WINNERS: Science Fair Winners from the Inland Empire will be on hand to exhibit and discuss their science projects.

SCIENCE AND TECHNOLOGY EDUCATION PARTNERSHIP (STEP): STEP serves as the catalyst that brings parents, schools, industry, and government together to provide innovative math, science, and technology education programs that inspire students to become America's future science and technology professionals.

SOCIETY OF AUTOMOTIVE ENGINEERS, UCR STUDENT CHAPTER: International association for technology workers in the automotive and aerospace industries. Members will be exhibiting a student-built vehicle, which competed in the Mini-Baja West Competition 2006 event in Oregon. The students are prepared modifications for the competition in spring 2007.

SURADO CRM: A best of breed Customer Relationship Management (CRM) software innovator demonstrated its latest CRM software and provided interactive workstations for students to configure the software to better understand how CRM software technology is used in business.

TRAVELING SPACE MUSEUM: The TSM, Orion Mini-Shuttle, is a 12-foot-long, motion-controlled flight simulator that resembles the Space Shuttle and gives students the sensation of piloting a spacecraft in low Earth orbit. The same technology used to train real pilots is featured in this video-linked two-seat shuttlecraft.

UNIVERSITY OF CALIFORNIA, RIVERSIDE; ENTOMOLOGY DEPARTMENT: UCR Entomology Department will exhibit insect specimens with staff available to answer questions.

WESTERN AND EASTERN MUNICIPAL WATER DISTRICTS: This exhibit features the Splash Mobile, a completely self-contained mobile laboratory that provides your students with hands-on experience using microscopes - with live specimens, chemistry experiments, state of the art computers, and cooperative learning skills.