Students are easy prey for scholarship scams

By Jeff Bush
Daily Stuff Writer

They're on a roll—and it shows.

Cal Poly's construction management department collected a handful of awards last week from the Ninth Annual Construction Management Competition in Reno, Nevada. Cal Poly was the only university to receive an award in every division.

"We have become the school everyone wants to knock off," Jim Rogers, head, construction management, said.

According to Jim Rogers, construction management department head, Cal Poly has won something every year. "We typically walk away with our fair share," Rogers said.

Another common scam is disguising post office boxes as suite addresses and not offering a phone number to answer students' questions.

"They collect the students' money from mail drop boxes and then they move on to more unsuspecting companies," Anderson said.

Darlene Cappellotti, a Financial Aid adviser, said students should be wary of names which sound impressive, but could be costly, such as operations that add "National," "Federal" or "Foundation" to their title.

The fraudulent operations often have trademarks students can use to spot a potential scam. Anderson said students should take extreme caution if the scholarship has an application fee.

"People are being asked to pay $5 or $10 and are never awarded," Anderson said.

A company that requires a fee can make a profit even if the price is low, because they receive thousands of applications. Some companies which charge students a fee may make awards, but some do not.

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See SCHOLARSHIPS page 3

Construction teams take top honors for projects for scholarship scans

The competition was presented by the Associated Schools of Construction Region VI and Colorado. Prizes from Montana to New Mexico and the University of Southern California and the University of California at Santa Barbara programs.

Each competition division had a team of five students who worked on a construction problem provided by industry representatives.

The teams were given the problems at 5 p.m. Monday and had to turn in their answers by 5 p.m. Tuesday. When finished, each team presented their solution and the reasoning behind that solution.

A panel of judges consisting of vice presidents, project managers and superintendents of construction companies who have worked on similar problems then determined the winners.

According to Bryan Diseman, a construction management senior and member of the residential team, his team was given a set of plans for an apartment complex. In 24 hours, they had to put together a bid for the project along with scheduling and budgeting of the work to be done.

See CONSTRUCTION page 16

Women's Week poet makes music out of 'A Journey to Spain'

Women's Week poet makes music out of 'A Journey to Spain'

By Allison Levitt

"A Journey to Spain" was one of the ventures Francesca Nemko brought her audience Monday afternoon.

The barely 5-foot, 55-year-old, Russian Jew from London cat­ivated her audience while being accompanied by Ken Huntz on the bass. Huntz, who plays with the San Luis Symphony, said he enjoys following the lead of Nemko.

"It gives me a chance to react to the spoken word rather than with instruments," Huntz said.

The energetic Nemko first be­came interested in poetry while in her 20s working in a jazz club. "I loved jazz and had never even listened to poetry before, but some lines started running through my head," Nemko said. "I knew that they were abstract, but I thought I should write them down.

With her hands flailing around, her knees bending with every beat, and her voice changing octaves continuously, her movements allowed the audience to almost move to the beat with her.

Her poems, which are her own material, have come from her personal experiences. While her poems rang through the room, the sound of a deep bass accom­panied her.

Although Nemko does not even know how to play an instru­ment, she feels her words convey her actions.

"This is my instrument. I al­ways wanted to play an instru­ment, but I never did, but now it feels as though I do," she said.

Nemko continued by saying that reading alongside Huntz allows the poem to have various interpretations.

"He inspires me to read it dif­ferently every time. I love it, be­cause we act off each other," Nemko said.

She said she loves doing exactly what she is doing and plans on taking advantage of every opportunity to make a poem out of it.
IRA admits to London bus bomb

By Robert Berr
Associated Press

LONDON — The IRA claimed responsibility Monday for a blast that ripped through a double-decker bus in central London, killing one person and injuring nine. Police said they believed the bomb was detonated accidentally and the carrier may have been among the victims.

Two people were arrested Monday under anti-terrorism laws, Scotland Yard said, but it refused to say whether they were connected to the Sunday night explosion. Police also said a weapon was recovered from the wreckage, but gave no details.

Despite some Protestant political leaders' demands that the government lock up all suspected IRA leaders, British and Irish leaders continued trying to salvage the battered peace process in Northern Ireland.

The Irish Republican Army had already killed two people in London since calling off its 17-month cease-fire Feb. 9. Scotland Yard said there was no warning before the 10:38 p.m. explosion at the edge of the theater district, near Covent Garden's popular restaurants and bars.

Commander John Grieve, head of Scotland Yard's anti-terror unit, said the bomb "was not the intended target," although he couldn't say what was.

The IRA, in a statement telephoned to the British Broadcasting Corp. in Belfast, Northern Ireland, claimed responsibility.

"We can say at this stage we regard the loss of life and injuries which occurred," the caller said.

The mangled and burned wreckage continued to block traffic Monday while police technicians probed for clues. Buses carry video cameras, but it wasn't known if they survived the blast.

Four victims of the blast remained hospitalized Monday. Dr. David Williams, director of Accidents and Emergencies at St. Thomas' Hospital, where the victims were treated, confirmed Monday that armed guards were on duty in the hospital. Scotland Yard refused to comment on the reason for the extra security.

Williams said one injured man, 38-year-old Ralph Hobart of Torquay in southwestern England, suffered severe injuries on the right side of his face and was in critical condition. His girlfriend, Denise Hall, 30, also was injured.

Londoners, meanwhile, settled into the familiar routine of bomb alerts, train cancellations and immobilized traffic.

"You have always got it in the back of your mind that you could be in the same street next time."

John Longton
Delivery person

Peter Robinson, deputy leader of the Democratic Unionist Party, the third-largest and exclusively Protestant party in Northern Ireland, urged the government to simply lock up suspected IRA leaders.

However, Sir Patrick Mayhew, Britain's minister responsible for governing Northern Ireland, said the search for a peaceful settlement would continue despite the bombing. He rejected Protestant calls for the government to end all contacts with the IRA's allies in the Sinn Fein party.

"It's perfectly clear that this (bombing) is part of a campaign designed to make the British government, a democratic government, comply with the wishes of terrorists. But of course that's going to fail," Mayhew said.

John Hume, leader of the Social Democratic and Labor Party, which gets most Roman Catholic votes in Northern Ireland, met for two hours Monday with British Prime Minister John Major. Hume said they exchanged proposals, but he gave no details.

"I welcome the fact that the government is urgently dealing with the matter by meeting with all parties and with the Irish government," said Hume, whose secret dialogue with Sinn Fein prevented Adams from contributing to the IRA cease-fire.

Bertie Ahern, leader of Fine Gael, said he planned to meet this week with Adams. Ahern's party had enthusiastically welcomed Sinn Fein as a partner in the peace process following the IRA cease-fire in September 1994.

The Asl Board of Directors needs your comments on what we are doing wrong, what we are doing right, and what you would like to see changed. All input is valuable and will be treated as such. Everyone currently enrolled on campus is invited to attend.
CAMPAIGN: Dole says he's 'clear choice' for GOP

From page 1
offering himself as the 'clear choice' for Republicans.
At a high-tech computer company in Rochester, he attacked Buchanan for promoting tax proposals he said would put the export-reliant plant 'out of business.'
Buchanan, for his part, opened the day with a pep rally for workers at his Manchester campaign headquarters and proclaimed himself 'a little nerv­ous.'

When a supporter predicted a big Buchanan victory, the candidate didn't say, 'If we can get something like that here, we will go all the way. They will not stop us.'

In a TV interview, Buchanan faced more questions about his views on social issues such as homosexuality.
He said he wouldn't allow openly gay people to work in his administration if elected. 'I don't think their lifestyle should discredit the administration,' Buchanan told CNN.
The major candidates kept up the negative tone of the cam­paign. Buchanan refuted most of the harshest ever.

' I'm not used to doing it,' he explained.

The heir to the Forbes publishing fortune had a more positive prediction for his self-financed campaign, saying he expected to win by the slimmest of margins.

'We're in for the duration,' he said, predicting 'a surprise' on Tuesday.

I don't think their lifestyle should discredit the administration,' Buchanan told CNN.

At a campaign stop in Manchester, Forbes also tossed out the names of two well-known conservatives he considered potential running mates on a ticket.

The crash, which killed the pilot and the radar-interceptor officer, was the 31st involving an F-14 jet since 1991, although Navy spokesman Doug Sayers said there has been no apparent 'common thread' among the mishaps.

The names of the dead were being withheld Monday after­noon because the Navy was still trying to locate one family. Sayers said.

The crash occurred around 12:30 p.m. Sunday about 120 miles off the coast in an area the Navy uses for exercises. The cir­cumstances were not immediate­ly known.

Few details in military jet crash

SAN DIEGO Details remained sparse Monday in the fatal crash of an F-14D "Tomcat" fighter during routine flight exercises off the Southern California coast.

The crash, which killed the pilot and the radar-interceptor officer, was the 31st involving an F-14 jet since 1991, although Navy spokesman Doug Sayers said there has been no apparent "common thread" among the mishaps.

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The crash occurred around 12:30 p.m. Sunday about 120 miles off the coast in an area the Navy uses for exercises. The cir­cumstances were not immediate­ly known.

Given the area they operat­ing in, they could have been doing anything," Sayers said. "Supersonic, missile shoots, gun­nery practice, just basic boat work. They could have been prac­ticing their approaches to the carrier."

The jet was part of Fighter Squadron 11, which was taking part in a two-week operation with the USS Carl Vinson. The squadron is based at Miramar Naval Air Station in San Diego and the Carl Vinson is based in Alameda, Calif.

The Carl Vinson arrived in San Diego late Monday morning.
The last mishap involving a jet from Fighter Squadron 11 was Feb. 22, 1994, when two aviators bailed out of their F-14D Tomcat about 900 miles south­west of San Diego. The jet crashed into the ocean and the crew members suffered minor in­juries.

SCHOLARSHIPS: Most scholarship databases can be accessed for free

From page 1
"We are hearing about comp­anies who disguise their offer as an academic affiliation," Cappel­otti said. "They use the names to target students by campus and by sex."

Not only are students being ripped off by operations that pretend to award scholarships, but some franchises claim to be searching for scholarships for a fee. Instead of providing oppor­tunities to pay for students' education, they are stealing stu­dents' aspirations.

Cappelotti said one student's parents paid $800 to scholar­ship-search services and never received anything.

"Whether you pay $25 or $800, you basically get the same information," Cappelotti said. "Anything over $50 for database information is excessive."

Scholarship-search franchises use a small number of national databases to locate the awards, she said, so a cheaper company may have the same information that a more expensive one will provide.

Instead of paying a ridiculous amount for information on scholarship opportunities, Cap­pelotti said, students can find the same information for a small cost. Scholarship infor­mation is available through the library, Student Services and the Financial Aid office.

Cappelotti said students should come to the Financial Aid office if they want information or help applying for a scholarship. Suspicious or­ganizations can also be checked with the Better Business Bureau, the National Fraud In­formation Center (800-876-7060) or the State Bureau of Consumer Protection.

Senators introduce 1996 ciderwine bill

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in front of the

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Career Symposium: Feb 22nd
Student Services Bldg.
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MUSTANG DAILY

When you partake...

So it's 2 a.m. ... You've made the mistake of having too much to drink. Getting behind the wheel of a vehicle is just not an option at this point, as the many drinks you've partaken in have rendered you useless. Your vision is cloudy and your reflexes are diminished. Now the person who was walking in front of you looks like three. TIME TO MOVE!

Get up, get out of the car, and head home. Actually, get up, get out of the car, and head into the soft comforts of bed, or the floor, or wherever else you choose to land after flying in the front door. But how are you going to get home?

Well there are a few things you can do. For a mere $4, you can call the folks at Ride-On at 541-TRIP. Or an even better deal, buy your Ride-On pass ahead of time for only two bucks! Next to you who stumbles over and says "Aaww dude, I was sober. Someone who you know has NOT been drinking."

But how are you going to get home? If you do, you have been the beneficiary of feminists. Oh, say it isn't so — the "F" word. Yes, that nasty word that describes those neo-Nazi lesbians who hate all men and are trying to destroy the family with their evil ways. Fortunately, those ladies make up but a small minority of the women and men who describe themselves as feminists. We feminists are also mothers, doctors, lawyers, teachers and secretaries. Feminists are married and single, we are all shades of the rainbow and of all religions. Thanks to the work of such early feminists as Margaret Sanger, who fought the political establishment controlled by men, we are now reaping the benefits of birth control. I want to dispel the myth of feminism, to open your eyes to the realities of the assaults on your legal rights by the right wing.

We have forgotten it was only 75 years ago that we gained the right to vote. Without the work of feminist organizations, you would not have been granted the right to an abortion, legalized just 23 years ago.

Lastly, we have seen many attacks on women, men and minorities. For example, the effort to repeal affirmative action, appealing the Family Leave Act, cuts to student loan programs, Head Start, Medicaid and Medicare, parental consent for abortions as well as waiting periods. Now Congress has taken over the role of doctor by outlawing medical practices regarding abortions and RU-486, the abortion pill.

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Have you forgotten it was only 75 years ago that we gained the right to vote? Without the work of feminist organizations, you would not have been granted the right to an abortion, legalized just 23 years ago.

The pill, condoms, diaphragm, Norplant. Do you use any of these birth control methods? If you do, you have been the beneficiary of feminists.

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The fight isn't over by Lisa A. Grossman

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Don't bag on Modesto

Editor,

I have had it! This is going too far for my hometown, Modesto. I understand why you changed the subject and stop my hometown a bad place. I lived in Modesto for 20 years and had no problems. I have never seen such problems with republics as the KKK before in my life. Jason Plemons did not pick the headlines from another town and rewrite them into big headline for the Mustang Daily. This is dumb. It is not right and I suggest that he pick his words elsewhere and do it right for the Mustang Daily. This is college life. Enjoy the freedom!

Lee Walttip
Environmental horticulture sophomore

Computer clueless censors

Editor,

To the people that made up this Decency Act, I say "Stay out of things that you have no clue about!" Bill Clinton and our lovely legislators and representatives have no clue to what the Internet is all about. They probably call it the "Information Superhighway." When I hear this catch phrase, I know they have no clue to what they are talking about. These people making these acts are old and have no sense of technology. They are afraid that the Internet will get out of control so they make up all the acts that restricts them. My answer to them is, "You're very much misinformed."

I have to agree with James Green, Feb. 9, that we need to turn our homepages background to black. We need to show our opinions now or we might not have that right later down the road. We also need to raise hell to our senators and representatives to stop any further acts like this one.

This is just infringing on our First Amendment rights, and if we let this continue it will be the downfall of the ruling of being unconstitutional. So send your senator or representative a friendly e-mail stating how you feel.

Shawn C. Farmer
Electrical engineering junior

The Daily ship runs aground

Editor,

It is by now quite clear that Jason made an error in judgment. I share the opinion that the now notorious headline was misplaced. However, as a member of the journalism program, is saddens me to see what has happened in the aftermath. Rather than standing behind Jason as a good reporter and editor who has made a serious mistake, some of the members of the Daily staff are divying off the bow of what they believe is a sinking ship. Rather than standing together as a team and bailing water, they're chastising the man at the helm for running aground. It's pathetic to see reporters and staff trying to separate themselves from the controversy and begging readers for forgiveness. What readers ought to hear is how immature some reporter thinks the editor in chief is, but what the Daily is doing to prevent this kind of thing from happening again. Where did the Daily go wrong, where did NEWSROOM POLICY go wrong?

I fully expected the readers to nail Jason to the cross for this one. And so they should if that's their inclination. I just didn't expect to see members of the Daily staff in the dance around the ritual fire.

Derek Aney
Journalism senior

Good Good, Plemons

Editor,

I congratulate you for having the chutzpah to publish this question. It was considered "indecent" by everyone who was selected editor, giving the responsibility for what goes in the paper, and the right to make final decisions. You write the paper, we decide whether or not to read it.

I read it every day.

Brian Johns
Computer science senior

FROM THE HIP:

Who is your role model or who do you admire?

Interviews by Jennifer Camuels
Daily photo by Ian Butterman

"G. Gordon Liddy. Because when the heat was turned on, he took it like a man. He didn't look silly when it was in his self-interest to do so and didn't take anyone else down."

Tad (David) Stacy is a social science senior.

"Winnie the Pooh. He's so simple. He has a simple philosophy on life, always looking for his honey. He's a good guy."

Christie Lawy
Soil science senior

"My dad. He's the person who taught me the most. I do a lot like him. My dad died in June. I think about him everyday. If one of the things I do, I do cause I've learned it from him."

Patrick Sharp
Mechanical engineering senior

"My dog, Beants. She lives for the moment and loves life and she's refreshing company when she's not a pain."

Kim Bickle
Agriculture business senior

"Richard Feynman (a Nobel prize physicist). I admired it to do science and remain crazy."

J D Driscoll
Environmental engineering senior

"My husband. He's very solid, goal oriented, and understanding. He is not too set in his ways. We listen to each other. He's the reason I'm back in school."

Karen Hoke
Liberal studies junior
Supreme Court Looks at sentencing in King case

**Associated Press**

LOS ANGELES — The U.S. Supreme Court will consider how many sentencing discretion federal judges should have when the government argues for longer prison terms for two policemen convicted of beating Rodney King.

The Supreme Court will consider whether a judge erred when he sentenced Stacey Koon and Laurence Powell to 30-month prison terms rather than the 70 to 87-month terms recommended in sentencing guidelines.

"What this case is really about is what kind of discretion does a trial court have to deviate from the guidelines and what should be the role of the Court of Appeals in reviewing that," said University of Southern California law professor Erwin Chemerinsky.

The case was originally scheduled to be heard by the nation's highest court in early January, but was postponed after a fierce snowstorm prevented lawyers from getting to the courthouse in Washington D.C.

Koon and Powell, now former police officers, were convicted of violating King's civil rights by beating him during a 1991 traffic stop. Koon, Powell and two other officers were convicted for state charges in a jury verdict that prompted the 1992 Los Angeles riots. The latter were later retired on federal civil rights charges. The other officers were acquitted a second time, but Koon and Powell were convicted.

Koon and Powell, both freed in December, face the possibility of going back to prison for an additional four or five years.

U.S. District Judge John Davies, who sentenced the officers, offered several reasons for departing from the guidelines.

Davies said he believed that King provoked the officers' actions and that Koon and Powell would experience an "unnatural susceptibility to prison abuse" because they were former police officers and because of public outcry over the beatings.

In late 1994, the 9th U.S. Circuit Court of Appeals disagreed with Davies and ordered the defendants re-sentenced. Their attorneys appealed to the Supreme Court.

"Our approach is that Congress intended that judges have some flexibility in the sentencing process and that what the judge in this case did is squarely within the discretion that Congress intended sentencing judges to have," said Koon's attorney, Theodore Olson, of Washington D.C.

"We believe the Supreme Court took this case because the 9th Circuit was wrong," Olson said. "We expect that the 9th Circuit case will be overturned and judge Davies' decision will be upheld."

**Macintosh software to Motorola**

By Cetadas Ortiz

Associated Press

SAN JOSE, Calif. — Apple Computer Inc. said Monday it was reviewing its stalled licensing strategy and boosting its shrinking market share, saying Monday it has granted rights to its Macintosh operating system to Motorola Inc.

The agreement could greatly extend the Macintosh's reach into China through a joint Motorola venture with that nation's biggest electronics company. It also is part of an Apple drive to spur the development of more Macintosh software.

Encouraging more Macintosh software is seen as critical to the survival of Apple, which is suffering from a string of financial and marketing missteps.

"Our intention is to get as many people around the world excited using the Macintosh operating system as we can," said Gilbert Amelio, Apple's new chairman and chief executive officer.

With Monday's agreement, Motorola becomes the largest company to "lease" the Macintosh. It also is the first company to win the right to sublicense the MacOS, the program that controls the Mac's basic operations.

Under Monday's pact, Schaumburg, Ill.-based Motorola will use the MacOS in its own operating system and in network equipment. It also is part of an Apple policy of letting third-party software developers keep more Macintosh software in the works before he became CEO. Amelio has pledged to aggressively pursue such licensing deals to try to encourage software developers to keep writing programs for the Macintosh.

Amelio succeeded Apple CEO Michael Spindler, who was ousted Feb. 2 after the company reported a loss in the last three months of 1995, forecast another for the start of 1996 and began laying off 1,300 workers.

Apple, based in Cupertino, Calif., for years would not let other companies make copies of its popular Macintosh. Industry observers considered that Apple's greatest mistake, a missed opportunity to set the industry standard.

But the company, hurt by competition from personal computer makers around Intel Corp. and Microsoft Corp. software, relented in September 1994. So far, however, only a handful of small companies have reached licensing agreements with Apple, most notably Power Computing Corp. of Milpitas, Calif.

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Amelio succeeded Apple CEO Michael Spindler, who was ousted Feb. 2 after the company reported a loss in the last three months of 1995, forecast another for the start of 1996 and began laying off 1,300 workers.

Apple, based in Cupertino, Calif., for years would not let other companies make copies of its popular Macintosh. Industry observers considered that Apple's greatest mistake, a missed opportunity to set the industry standard.

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A Message from Dean Lee

It's a pleasure to welcome you to National Engineers Week. This annual celebration honoring engineers and the engineering profession is an ideal opportunity to spotlight our students and faculty in the College of Engineering and to recognize their enthusiasm and commitment to the highest possible standard of achievement. Additionally, it's a time when we can reflect on the significant contributions made by engineers in general to our quality of life and to our national prosperity.

Engineering, without a doubt, is the single profession most responsible for the look and nature of modern society. Our lives, both at work and at home, are shaped by technological innovation and by transportation and communication systems designed by engineers. Engineering molds the world we live in, and the services whose exchange is the basis of our economy, and the tools we use. Engineers led the Industrial Revolution of the late 18th and early 19th centuries with a host of inventions that would change the world, forever changing the way we live.

Likewise, today, engineers are establishing the cutting edge of the 21st century by leading a revolution in telecommunications and computer technologies. But engineering is more than just round out the classroom curriculum; they address the students' need for social and professional interaction while providing a vital link to the community.

As a result of the Association of Environmental Professionals and the International Society of Hybrid Micro-Electronics to the Robotics Society and the Space Advocacy Society, the student organizations represent most of the national professional societies in the field of engineering.

"I'd guess that over 90% of all engineering students belong to one or more organizations," says Dan Bleaizad, aeronautical engineering professor and Faculty Advisor to Mustang Aviation. "These groups do more than just round out the classroom curriculum; they address the students' need for social and professional interaction while providing a vital link to the community."
The Minority Engineering Program: A Partner in Success

ASME Contests Highlight Creativity

For most of us, popping a balloon means simply sticking a pin into inflated latex. For contestants in the Qwerty Competition, however, popping a balloon must involve at least an arbitrary job such as popping a balloon, pouring a drink, or launching a marble into a cup; but according to contest rules, the machines must perform such modest functions as ingeniously as possible using levers or pulleys or any other mechanical devices (electrical components are limited).

ME senior Justin Roman, ASME's National Engineers Week Chair, notes that the Qwerty Competition tests creativity as well as engineering skills. "This contest gives students a chance to dream up some wild machines—it really capitalizes on the ME design classes we take that emphasize the importance of creative approaches to engineering problems."

In comparison to the Qwerty Competition, ASME's 1996 Student Design Competition (to be held Wednesday at 11:30) has stricter design parameters. All the shoe box-sized machines entered must transfer water between two cups using a single AA battery and Radio Shack DC motor. Roman explains that the strict regulations not only necessitate a creative response, but that the contest simulates the conditions encountered in professional engineering. "In real life," Roman says, "there's a lot of fixed design constraints and engineering approaches you have to meet the challenge of those limits."

Winners of both the Qwerty and Student Design Competition will receive cash prizes. Additionally, ASME will sponsor the winners of the Design Competition to compete regionally. "We've had Cal Poly engineers go all the way to the National ASME Design Competition," states Roman. "Our club looks forward to putting on these contests every year because they're exciting and inspiring and because we want to have a hand in poly's tradition of engineering excellence."

Taking it to the limit and beyond is TRW's Electronic Systems and Technology Division. And "it can be anything from space technology to leads to wireless communication systems for diverse international markets. New opportunities to shoot for the stars or shake the world is coming to campus. During 1996, our high tech electronics organization has targeted over 100 positions to be filled by individuals with either a BS or MS in:

• ELECTRICAL ENGINEERING
• MECHANICAL ENGINEERING
• COMPUTER SCIENCE
• MATERIAL SCIENCE
• MANUFACTURING ENGINEERING AND TEST

We also have summer positions for junior year and up students with a 3.0 GPA and a fellowship or any other mechanical design. All the shoe box-sized machines entered must transfer water between two cups using a single AA battery and Radio Shack DC motor. Roman explains that the strict regulations not only necessitate a creative response, but that the contest simulates the conditions encountered in professional engineering. "In real life," Roman says, "there's a lot of fixed design constraints and engineering approaches you have to meet the challenge of those limits."

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The Minority Engineering Program located in Building 40 may not supply fresh-baked cookies or latex inflatable latex. For contestants in the Qwerty Competition, however, popping a balloon must involve at least an arbitrary job such as popping a balloon, pouring a drink, or launching a marble into a cup; but according to contest rules, the machines must perform such modest functions as ingeniously as possible using levers or pulleys or any other mechanical devices (electrical components are limited).

ME senior Anna Franco, explains how MEP has helped her: "Not only do I receive scholarship aid through MEP, but from my freshman year on, I've gone there for tutoring services, to work in the two computer labs, to connect with study groups, and to meet friends. MEP has even given me a job—a couple years ago, I got hired as a math tutor and now I work 20 hours a week with incoming freshmen as a math facilitator. But more than anything, I've found that MEP staff really cares about my goals and achievement, David Cantu, Roy Haynes and Dorothy Jefferson are terrific counselors and always willing to provide assistance."

Juan Plancarte, an ME senior agrees, "I really appreciate the help available from MEP, the staff, tutors and students are open and willing to share their experience and advice."

As Plancarte and Franco indicate, MEP offers the academic, counseling and financial support services which boost the retention rates and help ensure the academic and professional success of Poly's minority technical and engineering students. Some of those successes will be celebrated on February 24 at MEP's annual Corporate Social and Academic Recognition Banquet held from 5-9 pm at the Sandwich Plant. Anna Franco and Juan Plancarte, in fact, are two of the forty students slated to receive financial scholarship awards at the event which features a reception, dinner and awards program. Attendees include corporate representatives as well as students. Several student groups also make presentations including the Society of Black Engineers and Scientists (SBES), the Society of Hispanic Professional Engineers (SHPE), and the American Indian Science and Engineering Society (AISES).

MEP Director David Cantu explains the multifold importance of the Banquet: "We're very proud of these students all of whom have GPA's of 3.0 or above, and we think they deserve special recognition. Additionally, the Banquet is a way to thank the company donors while personalizing their gifts. Obviously, MEP students are thrilled to receive awards, but industry representatives also enjoy meeting the students who benefit directly from scholarships provided by their companies."

Among others, MEP's corporate sponsors include the following:

• AMDahl Corporation
• Applied Magnetics
• Hewlett-Packard
• Hughes Aircraft
• Hughes/Santa Barbara Research Ctr.
• IBM
• Chevron Advisory Service

TRW Electronic Systems and Technology Division

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• • Field Process Engineers
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• Technical Design Engineers
• Manufacturing Engineers
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Techinical Marketing Engineers
• Software
• Quality Assurance
• Field Engineers

Information Session, February 15 at 7 PM
On-Campus Interviews, February 16

We've become the 'Employer of Choice,' offering substantial rewards: competitive benefits, collaborative environments and the opportunity for a boundless future. Contact your Placement Center or Human Resources Dept to discuss Watkins-Johnson's career opportunities.
SWE'S Evening With Industry Tops Success-Filled Year

Once again, Cal Poly's Society of Women Engineers has been named the "Best Student Section" in the Southern U.S., an honor it has earned for seven of the past eight years. Recognized as one of the "top ten" in the country, the organization also placed first in the College of Engineering project displays for Open House 1996.

SWE President Tara McLaughlin credits the club's success to an active Engineering project displays for Open "ten" in the country, the organization the "Best Student Section" in the Southwestern U.S., an honor it has received from the College and industry. "We've had a great year: we've increased membership participation; we've planned new and continuing programs to give SWE students as much academic and social support and exposure to the professional world as we can; and we've benefited from the confidence and generosity of industry sponsors like Hewlett-Packard and Lockheed Martin."

With these successes in mind, SWE members look forward to their 20th Evening With Industry, an event that combines celebration, recognition of excellence and support, and career-building. Banquet Chair Tiffany Martindale explains, "The Evening With Industry Banquet is always inspiring and fun. It gives us a chance to clap for the outstanding engineering students who receive awards and to recognize and thank the companies who have supported our efforts. And because over thirty-five companies attend, the event presents a unique opportunity to meet and mingle with industry professionals in a casual atmosphere."

Evening With Industry (Friday, Feb. 23) begins with a social hour at 6:00 PM in the Embassy Suites atrium, followed by dinner and an awards program in the Grand Ballroom. Sun Microsystems V.P. and Cal Poly alumna, Kathleen Holmgren, will be the Keynote Speaker.

Alum Kathleen Holmgren Returns as SWE's Keynote Speaker

Although she was pretty sure she wanted to be an engineer, Kathleen Holmgren's first major at Cal Poly was mathematics. "I just didn't know what the different engineering fields entailed," she remembers. "But the speakers programs sponsored by SWE and the various engineering clubs and departments provided role models who really helped me choose a major and determine a career path."

On Friday, Feb. 23, Holmgren returns to Poly as a speaker and role model herself. "I'm honored and thrilled to address the 20th annual Evening With Industry," she says. "I hope that by presenting my own career road map and the lessons I've learned along the way, I'll help SWE members envision career options and opportunities, and give them some ideas on how to reach their goals."

Holmgren's "road map" studied at, and received a B.S. in Industrial Engineering and was the first woman ever to receive the College of Engineering's Outstanding Graduate Award. After earning a M.B.A. from Stanford University, Holmgren went to work for 3Com's Personal Connectivity Group currently has positions available for a few outstanding individuals with B.S or BS in COURSE.

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What Drives You?

Toyota Information Session
Embassy Suites Hotel, San Luis Obispo
Monday, February 28, 1996
7:00pm - 8:30pm
Interviews are being scheduled for Tuesday, February 27, 1996.

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SOCIAL NETWORKS

Andy Jones

What makes a good networking opportunity? The "networking" event must be structured and purposeful. The "networking" event must be structured and purposeful. The "networking" event must be structured and purposeful.

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• Air Defense • Guidance and Control Algorithms • Electromagnetics
• Detection and Estimation Theory • Signal Processing • Modeling
• Scientific Programming

Qualified candidates will perform system level analysis to design, develop, test, and evaluate in one or more of the above technical areas. Experience coursework should include: Classical and Modern Control Systems, Probability and Statistics, Stochastic Processes, Stochastic Processes, Probability and Statistics, Stochastic Processes, etc.

APICS, the Educational Society for Resource Management, was honored for the most outstanding Student Branch for Region 6, placed 2nd and 3rd in the Student Design Competition, and had a student member win 1st in the Individual Student Design Division.

As the projects and awards listed above demonstrate, the members of Cal Poly's engineering groups and societies have high achievement goals and they are committed to their profession and their community. But what also stands out is that engineers are incredibly accidents and committed to getting the most out of their engineering education. And, as SWE club member Steve Myers points out, "Engineering students would have to be statistically inderterminate not to join the fun!"
Bright Employment Forecast for Poly Engineers

Like most students, engineering majors have concerns about finding a job after graduation. And, after listening to the national news announcing cutbacks and layoffs at many major companies, it is certainly possible to have employment nightmares. Take heart. Career Counselor Jane Johnson has good news: "The employment outlook for Cal Poly's 1995-96 engineering graduates is definitely good and getting better," she states. "There are more jobs at better salaries, and we're seeing more recruiters on campus." In fact, according to a nationwide survey by the Western Association of Colleges and Employers, job opportunities will be up about 3.1% this recruiting season.

The favorable employment outlook is reflected in more campus recruiting by employers and an increase in jobs listed with Career Services. Johnson observes, "Over forty more employers visited the campus this fall, 75% of whom were recruiting for engineers. Plus, we placed approximately 258 more students in cooperative education assignments."

Asked to comment on the relative attractiveness of Poly engineers, Ken Larson, Personnel Manager at Hewlett-Packard's Roseville Networks Division replies, "Cal Poly is a great school and we find that its engineering graduates come to industry trained on the latest technology. But each firm has its own view of the abilities that differentiate candidates beyond their technical background. At HP, we feel that the ability to think "outside the box," to look for the underlying problem or issue and to be curious about the different pieces of the puzzle—to think in terms of systems rather than discrete topics, are what differentiates candidates for our positions. This implies correctly that we don't have pure hardware, software or mechanical jobs. We need people with detailed technical skills and a broad understanding of technology. We find that here at Cal Poly."

Johnson notes that opportunities are most plentiful for graduates in electrical/electronics engineering and computer-related fields. But the number of entry-level engineering positions available have also increased because many companies in fields that have been downsizing in recent years (such as aerospace) are back in the market. Additionally, while the job market continues to be strongest for employers in the service sector, such as the fast-growing computer software development industry, the percentage of openings from manufacturing employers has also increased. "Cal Poly engineers are receiving most of their offers from consulting firms, electrical and electronic equipment manufacturers, and mechanical equipment manufacturer," reports Johnson.

Top Employers of Poly Engineers

Each year, Career Services surveys graduates within the first year of graduation to determine employment status, job titles, employers, and salaries. The information collected is combined with independent surveys conducted by academic departments and employer recruiting reports. Based on the last three years of this Employment Status Report, the top employers for the College of Engineering are the following:

- Andersen Consulting
- Hewlett-Packard
- Teradyne
- Applied Materials
- General Electric
- Silicon Graphics
- IBM
- TRW
- Microsoft
- CalTrans

HOLMGREN from A-3 for Sun Microsystems Computer Corporation. During the past eleven years with Sun, Holmgren has managed multiple functions such as industrial engineering, materials, production, and logistics. She is currently Vice President/General Manager of the Storage Products Business Unit which handles all of Sun's disk, removable media, and memory products. The company recognized Holmgren as one of its top leaders with the presentation of Sun Microsystem's Excellence Award in 1992. In addition to her impressive professional resume, Holmgren is the mother of three children aged 8, 6 and 2.

"It's a special pleasure to return to Cal Poly," Holmgren states, "because I'm a strong advocate of the education I received here. I'm a 'hands-on' learner who really benefited from the 'learn by doing' philosophy. Moreover, I'm very grateful for the personal interest my professors took in me; their support and friendship has had a lasting effect on my personal and professional development."

Hewlett-Packard Company has a long and very robust relationship with Cal Poly's College of Engineering. Year-in and year-out, we work closely in a number of ways that include: significant donations, hiring of graduates, and support for student organizations. HP is the #1 recruiting company of Cal Poly Engineers.

We look forward to continuing this strong partnership and salute the many individuals at Cal Poly that make it happen!

On Campus:
Thursday, February 22, 1996
Career Symposium
MBA Reception
Friday, February 23, 1996
Society of Women Engineers - Evening with Industry Banquet
Saturday, February 24, 1996
Minority Engineering Program, Corporate Social and Academic Recognition Banquet

Hewlett-Packard Company is an equal opportunity employer dedicated to affirmative action and work force diversity.

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This remarkable group of students comprises the College's public relations team. They regularly greet industry representatives and campus visitors and also represent the College at special events.

They are: (front, left to right) Daniel Mahoney, Janet Alviso, Jennifer Perez, Susan Wian, and Josh Molho; (middle) Aaron Olsen, Yesenia Alvarado, Nancy Buehler, Dolores Contreras, Heather Fortunati, Alicia Young, and Carlos Padilla; (back) Eric Vinande, Molho; (middle) Aaron Olsen, Yesenia Alvarado, Nancy Buehler, Dolores Contreras, Heather Fortunati, Alicia Young, and Carlos Padilla; (back) Eric Vinande, Molho.
ESC members beam with pride after winning the award for Outstanding Student Representation. Council members from left to right are: front Aileen Sconce, Cheryl King, Lara Tjoma, Yasmin Torres, and Yasmina Alvarezado; (back) Brian Lim, Ramin Kolahi, Mike Giannini, Ryan Averill, and Bill Willams.

Last October, ten members of Cal Poly’s Engineering Student Council (ESC) flew to Austin, Texas to attend the Annual Conference of the National Association of Engineering Student Councils. They returned with the Award for Outstanding Student Representation.

“We were honored,” says ESC Chair Cheryl King, “but not totally surprised because I think the award reflects two things: first, ESC has tremendous energy generated by the enthusiasm and hard work of its Officers, Directors, Senators and Commissioners. Second, the Council is implementing a new structure this year which is designed to maximize participation and communication among engineering students, departments and administration, and to enhance representation of the College and at the university level.”

At ESC’s helm is the Executive Board which oversees all the Council’s activities; this year the executives are Chair King, Senior Vice Chair Lara Tjoma, Vice-Chair of Finance Joe Ventura, and Vice-Chair of Communications Ramin Kolahi. Guiding and supporting the Council are Dr. Ken Brown, Faculty Advisor, and Dr. Paul Rainey, Associate Dean of Engineering.

Representatives of over forty engineering student clubs and societies make up the ESC Senate which functions as a meeting place for delegates to clarify the collective perspective of the College of Engineering regarding university and academic policies. This perspective is then conveyed to the Associated Students, Inc. (ASI) Board of Directors via five representatives elected by engineering students. The ASI Board of Directors for the College of Engineering include Bakir Begovic, Nick Demounges, Alberto Gonzalez, Mike Roca and Guiv Soofer.

Another function of the Council is to bring engineering students together in activities that reinforce their personal and professional goals. The ESC Commissioners plan and direct events sponsored by the Council such as National Engineers Week, the Annual Engineering Awards Banquet (so-sponsored by Dean Lee), and Open House. In addition, each department is represented by a student in the major. These major Commissioners act as liaisons between ESC and the faculty and students of the various departments.

“By incorporating department liaisons and students who plan and administer ESC activities, the new structure decentralizes the Council and allows more people to become actively involved,” explains King. “Where, in the past, five or so officers did all the work planning events, now at least twenty students have joined the ESC leadership team. As a result, the Council has more energy, is more visible and can do more for the engineering students at large.”

Kolahi, sees even broader advantages: “I truly respect the professional commitment of engineers; and when they have strong communications and teamwork abilities, they become even more valuable members of society. Getting involved with the ESC gives students a chance to hone those skills. Not only does the Council enable students to meet socially, have fun, and get excited about engineering, but it offers lots of opportunities for leadership training and experience.”

The ESC Commissioners and event planning groups meet Mondays at 6:00 p.m. in UU 219. The ESC Senate convenes each Wednesday at 5:00 p.m. in UU 220. All Cal Poly engineering students are invited to attend these open meetings.

NUMERICAL ENGINEERS WEEK 1996

ESC = Outstanding Student Representation

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ON CAMPUS

Thursday, February 22
Career Symposium
Eight of 11 killed by flames and smoke in Maryland train crash

By H. Josef Horteb Associated Press

WASHINGTON — Eight of 11 people killed in the fiery crash of a commuter and an Amtrak passenger train died from flames and smoke, not from the impact of the crash, a medical examiner said Monday.

The disclosure focused renewed interest on reports from survivors about jammed exit doors and windows aboard the commuter train. It also raised questions about Amtrak’s widespread use of a retrofitted model locomotive with diesel tanks exposed on the sides and susceptible to rupture.

The Maryland Rail Commuter train smashed into the lead Amtrak locomotive at an angle during a snowstorm Friday in Silver Spring, Md., just north of Washington. The collision punched a gaping hole into the locomotive’s side and ruptured a fuel tank, and burning fuel oil engulfed in flames both the locomotive and the lead commuter car.

A second Amtrak locomotive, just behind the one that sped away, packed the massive ball of flame, was not a newer model in which the diesel tanks are enclosed.

All of the 11 fatalities, including eight Job Corps trainees and three MARC crewmen, were inside the lead commuter car.

The collision punched a gaping hole into the locomotive’s side and ruptured a fuel tank, and burning fuel oil engulfed in flames both the locomotive and the lead commuter car.

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**Nevada's new attraction: 'Extraterrestrial Highway'**

By Robert Maty

Top-secret government base known as Area 51 or Groom Lake.

"I really believe in UFOs. This is not just something to sell T-shirts." Pat Travis Nevada resident

Nevada's new attraction: "Extraterrestrial Highway". It runs between the hamlets of Rachel and Rachel's Hammond, 100 people. "I think our government is working in conjunction with them." "I don't doubt for a minute that there are extraterrestrials," added Chuck Clark, an amateur astronomer who has written a guidebook on the area. "To think we're the only life in the universe is ludicrous." The governor said the designation shows Nevada has a sense of humor, as was the case several years ago when a magazine named U.S. 50 across the state "the loneliest road in America." Instead of being insulted, we turned it around, set up way stations, and created T-shirts and bumper stickers reading, "I survived the loneliest road in America," Miller said.

The Extraterrestrial Highway runs between the hamlet of Rachel and Warm Springs, traversing mountain passes and desert covered with scrub brush and juniper trees. Highway officials say it draws only about 50 vehicles a day, on average, though more show up twice annually when Rachel holds "UFO Friendship Con payouts" for tourists looking for flying saucers.

Clark, 50, said he has seen mysterious sightings such as glowing orbs of light around Area 51. "I think the stuff that is being seen is alien, but under the control of our government," he said.

**NASA ready for potential problems with satellite**

By Maria Dome

CAPE CANAVERAL, Fla. — Supposed, just supposed, Columba's astronauts are reeling in a half-ton satellite at the end of a 12.8-mile cord when the motor inexplicably revs, yanking the satellite toward the space shuttle like an incoming cannonball.

Or maybe a micrometeorite whizzes by and sever the tether, whipping the cord around the shuttle. Or maybe the cord goes slack and — being! — the satellite becomes an out-of-control yo-yo.

"Everybody was surprised," said astronaut Franklin Chang-Diaz. "We didn't expect this."

Maybe, maybe, maybe.

The seven astronauts assigned to NASA's upcoming mission with the tethered satellite have trained for such dire possibilities and more during two years of preparation on the ground in simulators.

"All very hairy," said astronaut Michael Foale. "It's like going to the moon."

It will be the second trip into space for Italy's tethered satellite, which got no farther than 840 feet out the last time and almost had to be ditched. Chang-Diaz and three other astronauts who flew on that failed 1992 mission are back, along with many of the same flight controllers and scientists.

The countdown for Thursday's liftoff began Monday afternoon.

"It's unfinished business," said astronaut Jeffrey Hoffman, who like Chang-Diaz will be making his fifth shuttle flight. "People know this was the flight that got screwed up the first time, so the whole world is going to be looking, and I hope we can get it all the way out this time."

The tether jammed because of a protruding bolt that NASA had added to the reel at the last minute. That bolt has been removed, and more than 20 safety reviews have been conducted on the improved $443 million tethered-satellite system.

Officials insist neither the crew nor shuttle will be in any added danger in the two days the tethered satellite is supposed to be generating electricity while sweeping through Earth's magnetic field at 5 miles per second.

Scientists expect 5,000 volts of electricity to be generated by the satellite and its braided copper, nylon and Teflon tether, just one-tenth of an inch thick. A paltry 40 volts were generated last time.

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WE WILL BE AT THE CAREER SYMPOSIUM!
Peace plans have begun in Bosnia, but will it last?

By David Crary

SARAJEVO, Bosnia-Herzegovina — The guns that shattered schoolrooms and market stalls are silent, the armies separated. The hard part is still ahead.

Bosnia has indeed emerged from war, thanks to a NATO-led force that has carved out a twisted maze of buffer zones and firepower. The actual transfer of control under the Dayton peace agreement, including coveted Serb-held land around Sarajevo, has begun.

Progress has been slowed by Serb anger over the arrest of two senior military officers linked to war crimes. Freedom of movement, crucial to knitting civilians into a single community again, is in jeopardy.

Aid is being provided by aid agencies, which have been working for years to move civilians into the south. The November 1995 deadline for the start of a United Nations security operation to provide a mandate for an international force is now under way.

"Will they go all out for peace? Or do they want to be in the right position if things get nasty again when IFOR leaves?" — Michael Steiner, Bosnian government official

The peace force has successfully imposed buffer zones. The transfer of territory under the Dayton peace agreement, including coveted Serb-held land around Sarajevo, has begun.

Foremost among the pitfalls, says all three sides have a mandate to grapple with conflict. Freedom of movement, crucial to knitting civilians into a single community again, is in jeopardy.

"Why are they not indicating that they want peace at any price," he said in his headquarters in Ilidza, a tense Serb suburb outside Sarajevo. "There has to be some sense of reconciliation — the political leadership has to be prepared to compromise some of its more hardline positions."

On paper, the peace accord creates a unified Bosnia grouping together a Serb republic and a Muslim-Croat Federation. The Serbs have several contacts with the federation and the federation itself is in trouble.

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MISTER BOFFO

by Joe Martin

LIKE, I KNOW IT'S HEALTHY TO WORK OUT, OK, BUT I CAN'T HELP THINKING THAT IN 24 HOURS I'LL JUST KILL MYSELF AND DIE, ON SOME WINDOWSLILL ANYWAY.
CONSTRUCTION: Teams did well, even though they had very little sleep during the competition

From page 1

"The competition was a great learning experience," Dissman said. "You have to take the knowledge you learned in class and apply it to real-life situations."

Dissman said the residential team got along well together, even though no one slept for more than an hour.

"We knew we did well but we didn't know how well until they announced our name for first place," Dissman said.

Construction management senior Sam Robinson, a member of the heavy/civil team, said his team was given a 15-page problem and a set of plans for a stretch of highway to be paved. They had to estimate the cost of the project and the reasoning for the cost.

"The logic behind the numbers was more important than the numbers," Robinson said.

Robinson added that his team stayed in the hotel room from 5 p.m. Monday until 4:49 p.m. Tuesday when they turned in their proposal.

"The hotel's power went out at 12 a.m., so everyone was out in the hallway with their plans laid out on the floor," Robinson said. "We were 100 percent professional the whole time, which really helped out."

According to Colby Powell, a construction management and architecture senior and a member of the design build team, his team had to decide where to add an extension on an already existing building. The team had few constraints, however, on where they could actually build.

"We had to design the projects and then do all the calculations to come up with a bid price," Powell said. "We worked the project like a puzzle."

Powell said his team took the first five hours analyzing the problem. When finished, their bid was around $9.1 million, only $25,000 more than the actual bid for the project.

"We cranked and jammed and finished by 4 p.m. Tuesday," Robinson said.

Construction management junior Tom Ehlers, a member of the commercial team, said his team was given a set of plans and had to come up with a bid for the project. The team also had to create a plan for scheduling staff and work to be done.

"The building had to be 100 percent functional by the time we finished," Ehlers said.

The atmosphere of the competition was light with little or no tension, he added.

"If anyone is to be awarded it should be our professors and Coach Matt Wall," Ehlers said.

According to Roger, Cal Poly's success stems from the quality students and faculty in the construction management program.

"We were successful and the competition was tough this year, but next year we have to work even harder," Roger said. "We have become the school everyone wants to knock off."

Sponsors of the competition were The Morley Group, Charles Pankow Builders, Henkel Phelps Construction Company, McCarthy Construction, Drawbridge Construction and Granite Construction.

The coaches of the Residential team were Ed Turner and John Vial, with members Rick Bottrell, Bryan Dissman, Travis Moos, Tamara Mollison and Lisa Stoddard.

The Commercial team coach was Matt Wall with members Scott Brauninger, Tom Ehlers, David Gerber, Jason Hadnot and Michael Theilacker.

The Heavy/Civil team coach was Jim Borland with members Leticia Bugarin, Rosa Kaschowagi, Sam Robinson, T.J. Sekel and Jason Stevens.

The coach of the Design Build team was Hal Johnston with members Ruben Espinosa, Carlos Oceano, Jeannie Gambill and Matt Rusanoff.