



EL CAMINO COLLEGE



STEM CONFERENCE

Science • **T**echnology • **E**ngineering • **M**athematics

"Enhancing Student Success and Encouraging Diversity through STEM Pathways"

**Empowering Future STEM Leaders
to Reach for the Stars!**



**Friday, November 20, 2009
8:00 a.m. - 2:00 p.m.
Marsee Auditorium**

HIGHLIGHTS OF THE DAY

- Learn about the latest careers you can pursue in STEM
- Find out about degrees and certificates offered at El Camino College
- Get transfer information, meet faculty and counselors
- Be inspired by expert industry leaders

STEM Student Conference Agenda

8:00–8:45 am

Check-In & Breakfast

Marsee Auditorium, South Patio, El Camino College

9:00–9:10 am

Welcome

Dr. Francisco Arce, Vice President of Academic Affairs, El Camino College

Dr. Don Goldberg, Dean, Mathematical Sciences, El Camino College

Marsee Auditorium, El Camino College

9:10–10:00 am

Keynote Address

“What do you mean YOU ARE a rocket scientist?!”

Dr. Glenn Orton, Senior Research Scientist, NASA Jet Propulsion Laboratory

10:00–10:15 am

Conference Overview

Mr. Ken Key, MESA Counselor, El Camino College

Ms. Idania Reyes, Director, STEM Grant Project, El Camino College

10:30–11:20 am

SESSION I Workshops (BLUE TICKET)

Humanities 206

UNIVERSITY TRANSFER PANEL (WORKSHOP-A)

Panelists: UCLA, Cal State Northridge, Cal State Fullerton, Cal State Long Beach, Cal State Los Angeles

Facilitator: **Ms. Lori Suekawa**, Articulation Officer, El Camino College

This workshop will give you insight into the transfer process specifically for engineering majors, and will provide information about the programs at the university. Have your questions ready for this expert panel of university reps!

MESA Center
MCS 100F

ROBOTS AND YOU (WORKSHOP-B)

Presenter: **Mr. Emmanuel Villaroman**, Chemical Engineering, Manufacturing Engineering and Computer Hardware Technology, El Camino College

If you think robots are mainly the stuff of space movies, think again. Right now, all over the world, robots are on the move. They're painting cars at Ford plants, walking into live volcanoes, driving trains, and defusing bombs. Get the scoop on how you can be a part of this innovative world, uncover career pathways that use robotics and visit El Camino College's Automation Robotics Manufacturing (ARM) Center to see robots at work.

Humanities 205

WHY BIOTECHNOLOGY? (WORKSHOP-C)

Presenter: **Dr. Wendie Johnston**, Director, Los Angeles/Orange County Biotechnology Center

Facilitator: **Dr. Teresa Palos**, Biology, El Camino College

Biotechnology and the Future - California is home to the majority of the nation's biotechnology companies and the fastest growing industry in the next decade. Discover what this field has to offer!

STEM Student Conference Agenda

Workshop list continued...

- Humanities 202 CAREERS IN ENGINEERING/ENGINEERING-TECH (WORKSHOP-D)**
Presenters: **Mr. Steven Cocca**, Industry & Technology, El Camino College; **Mr. Bill Latto**, Engineering, El Camino College
Facilitator: **Mr. Paul-Anthony Quintero**, Math, Science & Vocational Counselor, El Camino College
- Learning the Basics - Did you know that engineering job openings are projected to increase 13.4% by 2014? Have you ever wondered what engineers do, what types of engineering professions exist, and what it takes to start on this career pathway? This workshop is for you! Hear what engineers and counselors have to say about engineering-technology and the many specializations in engineering.*
- Humanities 204 ECC AND BEYOND! (WORKSHOP-E)**
Panelists: **Mr. Daniel Aleman**, Engineering; **Mr. Estuardo Iriarte**, Engineering; **Mr. Steve Lopezlavalle**, Mechanical Engineering; **Ms. Ana Orellana**, Aerospace Engineering; **Mr. Armando Hernandez**, Electrical Engineering;
Facilitator: **Mr. Arturo Hernandez**, Director, MESA, El Camino College
- ECC STEM Alumni Panel - Do you want to meet professionals in the field who got started at El Camino College, just like you? Don't miss out on this panel of former ECC students who will share their success stories of how they've transferred, and have moved on to exciting careers in STEM.*
- Humanities 301 TOUCH THE FUTURE-TEACH! (WORKSHOP-F)**
Panelists: **Dr. Kamal Hamdan**, Director, Noyce Scholars Program, CSUDH; **Dr. Judy Kasabian**, Mathematics, El Camino College, **Mr. Gerardo Sandoval**, Mathematics, CSUN
Facilitator: **Ms. Naomi Tokuda**, Career & Technical Education Teacher Pipeline, El Camino College
- Teaching Careers in Math, Science & Technology - Are you interested in career pathways teaching math, science or technology? Make a difference by becoming a teacher. This panel of leaders in STEM education will provide information on teacher preparation, credential programs, and scholarship opportunities for future teachers.*
- Humanities 302 PROFESSIONAL WOMEN IN STEM (WORKSHOP-G)**
Panelists: **Dr. Jennifer Chotiner**, Biology, Mount St. Mary's College; **Ms. Tamra Johnson**, Systems Engineering, Northrop Grumman; **Dr. Trinh Pham**, Mechanical Engineering, CSULA; **Ms. Ruby Vargas Lainez**, Center for Excellence in Engineering and Diversity (CEED), UCLA
Facilitator: **Dr. Jean Shankweiler**, Dean, Natural Sciences, El Camino College
- The representation of U.S. women in STEM fields has risen dramatically in recent decades and great opportunities await females who choose to pursue STEM professions. Meet female industry and academic professionals who will share valuable advice on what it takes to succeed and learn how you can prepare yourself for the future.*
- 11:35—12:25 pm SESSION II Workshops (ORANGE TICKET)**
Repeat of Session I Workshops
- 12:30—1:30 pm Lunch, Raffle**
Marsee Auditorium, South Patio, El Camino College

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El Camino College would like to extend a special thank you to our workshop presenters from universities, local industries, and El Camino College. We appreciate your participation in making this day a great success for our students!

ADDITIONAL THANKS TO

Staff Volunteers

Student Ambassadors

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