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## FRIDAY, MAY 6, 2011

### Registration

11:00 a.m. – 4:30 p.m. Science II Front Lobby Area

### Refreshments

11:00 a.m. – 4:30 p.m. Science II, Lobby

### Student Presentations: Science II

- 6 Session: 1 Behavioral and Social Sciences – Graduate  
12:40 – 4:40 p.m., Room 109
- 7 Session: 2 Behavioral and Social Sciences – Undergraduate  
12:40 – 5:00 p.m., Room 110
- 8 Session: 3 Biological and Agricultural Sciences – Graduate  
12:40 – 4:40 p.m., Room 210
- 9 Session: 4 Biological and Agricultural Sciences – Undergraduate  
12:40 – 5:00 p.m., Room 307
- 10 Session: 5 Business, Economics and Public Administration  
2:00 – 4:20 p.m., Room 308
- 11 Session: 6 Education – Graduate  
1:00 – 4:40 p.m., Room 309
- 12 Session: 7 Engineering and Computer Sciences – Graduate  
1:00 – 5:00 p.m., Room 320
- 13 Session: 8 Humanities and Letters – Graduate  
12:00 – 5:00 p.m., Room 314
- 14 Session: 9 Physical and Mathematical Sciences – Undergraduate  
12:00 – 5:00 p.m., Room 318

### Reception

5:30 – 7:30 p.m., courtyard of Science II  
Musical Entertainment by Cool Reflections

## SATURDAY, MAY 7, 2011

### Registration and Continental Breakfast

7:30 – 9:30 a.m., Science II Lobby

### Refreshments

9:30 – 11:30 a.m., Science II Lobby

### Student Presentations Sessions: Science II

- 15 Session: 10 Behavioral and Social Sciences – Undergraduate  
8:00 a.m. – 12:00 p.m., Room 109
- 16 Session: 11 Biological and Agricultural Sciences – Graduate  
8:40 a.m. – 12:00 p.m., Room 110
- 17 Session: 12 Biological and Agricultural Sciences – Undergraduate  
8:00 a.m. – 12:00 p.m., Room 210
- 18 Session: 13 Creative Arts and Design  
10:00 a.m. – 11:20 p.m., Room 307
- 19 Session: 14 Engineering and Computer Sciences – Undergraduate  
8:00 a.m. – 12:00 p.m., Room 308
- 20 Session: 15 Health, Nutrition and Clinical Sciences  
8:20 a.m. – 12:00 p.m., Room 309
- 21 Session: 16 Humanities and Letters – Undergraduate  
10:00 a.m. – 11:20 a.m., Room 314
- 22 Session: 17 Interdisciplinary  
8:40 a.m. – 11:20 a.m., Room 318
- 23 Session: 18 Physical and Mathematical Sciences – Graduate  
9:00 a.m. – 11:20 a.m., Room 320

### Awards Luncheon and Keynote Address

12:30 – 3:00 pm., University Dining Hall

### 24 Campus Delegations

### 32 The California State University System

### 40 Acknowledgements



A MESSAGE FROM  
**DR. CHARLES B. REED**, CHANCELLOR  
CALIFORNIA STATE UNIVERSITY

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**The California State University** (CSU) prides itself on delivering the very best education for the citizens of California. Important aspects of our educational programs are the many opportunities we provide for students to become involved in learning through research, both at the undergraduate and graduate levels. The students and their faculty mentors who are participating in the 25th CSU Student Research Competition at California State University, Fresno, are a testament to our success in preparing students to enter productive careers in California and beyond. Twenty-five years is a significant milestone, commemorating CSU's sustained commitment to student success through engagement in research, scholarship, and creative activities. I also note that California State University, Fresno, is marking its 100th anniversary this year, which makes 2011 a banner year for the campus, as well as the system.

The research presented at California State University, Fresno, on May 6th and 7th, 2011 will showcase excellence in the full range of CSU's academic programs, including mathematics, the arts, humanities, sciences, education, business, engineering, social sciences and the health professions. The scholarship undertaken by our students is impressive. The breadth of their abilities and commitment to their educational experiences, in addition to the responsibilities some have to work and support their families, make me proud to be a part of this system.

Nearly 200 undergraduate and graduate students will convene at the event and show their competitive prowess as they present their research findings to juries of professional experts. This is one of the CSU system's largest student competitions, and the participating students are a source of pride to their families and the state. They stand as examples of what it means to be a CSU student. Many thanks to the faculty members whose hard work and mentoring of students encourage them to keep pursuing the answers and the knowledge that may make a difference in all of our lives.

Thank you California State University, Fresno, for hosting the competition this year and for demonstrating a strong commitment to our students' success. My best wishes go out to all participants, and I congratulate all students and faculty mentors involved in the 25th CSU Student Research Competition, and the faculty, staff, and students at California State University, Fresno, who are hosting the competition.



A MESSAGE FROM  
**DR. JOHN D. WELTY, PRESIDENT**  
CALIFORNIA STATE UNIVERSITY, FRESNO

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**CSU Student Research Competition Participants:**

On behalf of California State University, Fresno, I am honored to welcome you to the 25th Annual CSU Student Research Competition!

We are celebrating our University's Centennial – 100 years of providing opportunities, service, achievement, and San Joaquin Valley Pride. The exemplary characteristics of Fresno State and the CSU system are showcased by this competition. The dedication of the student participants is a fulfilling testament of the strength of the educational experience within the CSU.

Good luck to all researchers in the competition! You have demonstrated a strong desire to showcase your academic leadership and a willingness to embrace the importance of scholarship as your foundation for success.

I hope you enjoy your time spent at Fresno State and continue your commitment to higher education for the good of our society.





A MESSAGE FROM  
**DR. WILLIAM A. COVINO,**  
PROVOST AND VICE PRESIDENT FOR ACADEMIC AFFAIRS  
CALIFORNIA STATE UNIVERSITY, FRESNO

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I am very pleased to welcome you to the 25th Annual CSU Student Research Competition.

There is a strong and important relationship between student research and student success. We know that those students who become part of the often path-breaking research that their professors undertake, and who develop and present their own research and scholarship, gain great benefits. They gain professional experience that provides a head start as they begin their careers, they build lifetime relationships with their research colleagues and professors, and they contribute fresh insights and ideas that help us meet important intellectual challenges. In addition, students actively engaged in research and scholarship make better progress toward earning a degree, and often graduate with distinction.

The students who are part of this competition represent knowledge-making at its best. Their presentations will give us new and exciting perspectives, and place them among the next generation of intellectual leaders. So, congratulations one and all, for the dedication and intelligence that has brought you here to Fresno State to share your accomplishments.

Let me add a special thanks to the faculty and staff members who helped make this event possible, especially the staff in our Office of Research and Sponsored Programs. This will be, I am sure, a memorable event.



## BIOGRAPHY

# DR. ANDREW ROGERSON, KEYNOTE SPEAKER

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Andrew Rogerson joined California State University, Fresno as Dean of the College of Science and Mathematics in 2008. He is also a professor in the Department of Biology where he retains a research laboratory focusing on the ecology of protists. Prior to Fresno State, he worked in six universities (University of London, UCSB, University of Toronto, South Dakota School of Mines & Technology, Oceanographic Center of Nova Southeastern University, and Marshall University) and two internationally important government laboratories (Freshwater Biological Association, UK and Atlantic Research Laboratory, Canada). He is a firm believer that the value of university research is enormous and the benefit to our students without question – research with faculty is often the vital spark to ignite active learning and the key to student success. In addition to being a Dean for the last six years, he has 25 years of teaching/research experience and was Director of Graduate Programs at the Oceanographic Center of Nova Southeastern University, Florida.

A self-proclaimed “wandering microbiologist,” Rogerson has consistently involved students in his varied research that has included the microbial ecology of protists, the biomineralization of silicon in diatoms, the taxonomy of naked amoebae, fecal contamination of beaches, the efficacy of ballast water treatment systems and microbial pathogenicity. His research has been funded by federal agencies including the National Oceanic and Atmospheric Administration, the U.S. Environmental Protection Agency, the National Science Foundation, and the National Environmental Research Council (UK). He has over 120 research publications, almost all involving his students, and has been a major supervisor for seven Ph.D students and 15 M.S. students.

Rogerson has been a longstanding associate editor of the *Journal of Eukaryotic Microbiology* and is a member of the editorial board of the *European Journal of Protistology* and the journal *Protistology*. He has served on the West Virginia EPSCoR Scientific Advisory Council and the WV NASA Space Grant Executive Council. He was a member of the Scientific Advisory Board on Waste Water Practices of Cruise Lines and served for seven years on the Coast Guards Environmental Technology Panel.

Rogerson received his Ph.D. (1978) in microbial ecology from the University of Stirling, Scotland.

FRIDAY, MAY 6, 2011: SESSION 1

## BEHAVIORAL AND SOCIAL SCIENCES – GRADUATE SCIENCE II; ROOM 109

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**12:40 – 1:00**

**Jessica Bibbo**

California State University, Chico  
Degree Objective: MA, Psychological Science  
Staff Perceptions on the Addition of a Volunteer Animal-Assisted Activity at a Regional Cancer Center

**1:00 – 1:20**

**Nicholas Cragoe**

California State University, East Bay  
Degree Objective: MA, Sociology  
Institutional Connectivity: Toward an Expanded Theory of Student Engagement in Higher Education

**1:20 – 1:40**

**Olga Kramarova**

California State University, Northridge  
Degree Objective: MA, Psychology  
The Effects of Culture on Preference of Text Layout

**1:40 – 2:00**

**Shubha Rani Gargava**

San Francisco State University  
Degree Objective: MA, Political Science  
Framing for Justice: The Bhopal Gas Tragedy Movement

**2:00 – 2:20**

**Joseph Gonzales**

California State University, Stanislaus  
Degree Objective: MA, Psychology  
Ovulatory Effects of Women's Uncommitted Sexual Desire and Use of Red in Self-Ornamentation

**2:20 – 2:40**

**Marianne Klumph**

California State University, San Marcos  
Degree Objective: MA, Psychology  
Adolescents Show an Enhanced Behavioral Response to Dissociative Drugs

**2:40 – 3:00**

**Alisa Kosheleff**

California State University, Los Angeles  
Degree Objective: MA, Psychology  
Effects of Binge Doses of Methamphetamine on Effortful Behavior in Rats

**3:00 – 3:20**

**Heather Fickas**

California State University, San Bernardino  
Degree Objective: MSW, Social Work  
Outcome Evaluation of HIV/AIDS Outreach Program at Malmesbury Prison in South Africa

**3:20 – 3:40**

**Gina Merchant**

California State University, San Marcos  
Degree Objective: MA, Psychology  
Coping with the Urged to Smoke: A Real-Time Analysis

**3:40 – 4:00**

**Phoutdavone Phimphasone**

California State University, Los Angeles  
Degree Objective: MA, Psychology  
Academic Achievement in Adolescents:  
Perceiving is not Achieving

**4:00 – 4:20**

**Gary Scholze**

California State University, Sacramento  
Degree Objective: MA, Anthropology  
Native American Root Use within Northeastern California and the Utilization of Starch Grain Analysis

**4:20 – 4:40**

**Miriam Walsh**

California State University, Fresno  
Degree Objective: EdS, Psychology  
Cultural Frame Switching and Cognitive Performance

FRIDAY, MAY 6, 2011: SESSION 2

## BEHAVIORAL AND SOCIAL SCIENCES – UNDERGRADUATE SCIENCE II; ROOM 110

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**12:40 – 1:00**

**Ashley Yaughner**

California State University, Fresno

Degree Objective: BA & BS, Psychology and Criminology  
Exploring Impulsivity and Inhibition on Individuals with Traits  
in Intermittent Explosive Disorder and Psychopathy

**1:00 – 1:20**

**Alex Liu**

San Diego State University

Degree Objective: BA, Psychology  
Neuropsychological Functioning Predicts Occupational  
Attainment in an Indian Cohort

**1:20 – 1:40**

**Anna Hood**

California State University, San Marcos

Degree Objective: BA, Psychology  
Female Smokers Show Increased Pain Sensitivity for  
a Physically Distressing Task

**1:40 – 2:00**

**Daniel Snipes**

California State University, Long Beach

Degree Objective: BA, Psychology  
Blaming the Victim: Perceptions of Gay Male Hate Crime  
Victims and The Role of Prejudicial Attitudes.

**2:00 – 2:20**

**Katrina Newcomb and MacKenzie Garcia**

California State University, Channel Islands

Degree Objective: BA, Political Science; BA Political Science  
Earmarks and Media Effects: An Experimental Approach

**2:20 – 2:40**

**Samantha Kuri**

California Polytechnic State University, San Luis Obispo

Degree Objective: BA, Anthropology/Geography  
Urbanization & Sex-Biased Parental Investment in Fiji

**2:40 – 3:00**

**Chad Bower**

Sonoma State University

Degree Objective: BA, Sociology  
The New Wave of the Feminist Movement:  
What Do College Students Have to Say About It?

**3:00 – 3:20**

**Dirk Horn**

California State University, Bakersfield

Degree Objective: BA, Political Science  
Democracy, Institutions, and Economic Growth?

**3:20 – 3:40**

**Celso Jaquez**

California State University, Dominguez Hills

Degree Objective: BA, Anthropology  
Olmec Shamanism: Transformation and the Legitimized  
Right to Rule

**3:40 – 4:00**

**Arnold Farias**

California State University, Northridge

Degree Objective: BA, Anthropology  
Cuicapeuhcayotl (The Origin of Song):  
Revisiting the Cantares Mexicanos

**4:00 – 4:20**

**Eleuterio Federico Limas**

California State University, San Marcos

Degree Objective: BA, Psychology  
Pain Tolerance is Influence by Social Normative Message

**4:20 – 4:40**

**Lauren Hall and Vanessa Castro**

California State University, Stanislaus

Degree Objective: BA, Anthropology and History; BA,  
Anthropology and History  
Farmer's Markets: Building Communities by Buying Local

**4:40 – 5:00**

**Jesse Mangiagli**

California State University, Monterey Bay

Degree Objective: BA, Psychology  
College Student's Attitudes' Toward Sexuality:  
An Analysis of Homophobia as a Function of Masculinity

FRIDAY, MAY 6, 2011: SESSION 3

## BIOLOGICAL AND AGRICULTURAL SCIENCES – GRADUATE SCIENCE II; ROOM 210

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**12:40 – 1:00**

**Cynthia Anderson**

California State Polytechnic University, Pomona  
Degree Objective: MS, Biological Sciences  
GATMD:  $\gamma$ -Aminobutyric Acid Transporter Mutagenesis Database

**1:00 – 1:20**

**Gursharan Bains**

California State University, Long Beach  
Degree Objective: MS, Biochemistry  
Developing Pyrene Fluorescence as a Powerful Probe to Study Conformation of Apolipoprotein E: A New Aspect of an Old Tool

**1:20 – 1:40**

**Amber Barton**

California State University, Bakersfield  
Degree Objective: MA, Anthropology  
A Craniometric Investigation of Biological Contacts between Populations of the Iranian Plateau and Central Asia during the Last Three Millennia B.C.

**1:40 – 2:00**

**Drew Shami**

California State University, Channel Islands  
Degree Objective: MS, Biology  
Targeted Killing of L1CAM $\pm$  Brain Tumor Stem Cells with T Cell Therapies

**2:00 – 2:20**

**Jose Zamalloa**

California State University, Los Angeles  
Degree Objective: MS, Biochemistry  
A Mutagenic Study of the Conserved Threonines in an Antifreeze Protein from *Dendroides canadensis*

**2:20 – 2:40**

**Martis Cowles**

San Diego State University  
Degree Objective: PhD, Biology  
A Planarian Ortholog of Lissencephaly 1 is Required for Stem Cell Maintenance

**2:40 – 3:00**

**Kelli Upton**

California State University, Fresno  
Degree Objective: MS, Biology  
Hormonal Regulation of Food Intake During Acute Stress in the Tilapia, *Oreochromis*

**3:00 – 3:20**

**Jenny Gowan**

California State University, Northridge  
Degree Objective: MS, Biology  
Coral-Algal Interaction Frequencies and Outcomes Along Gradients in Sedimentation and a Proposed Mechanism Underlying the Observed Patterns

**3:20 – 3:40**

**Julie Hale**

California State University, Fresno  
Degree Objective: MBt, Biotechnology  
Proteomic Evaluation of Pesticide-Resistant Breat Cancer Cell Lines

**3:40 – 4:00**

**Tim Hanson**

California State University, Chico  
Degree Objective: MS, Biological Sciences  
Assessing the Ecology and Life History Traits of a Rare California Endemic, Windowpane *Monardella* (*Monardella venosa*)

**4:00 – 4:20**

**Emily Harvey**

Sonoma State University  
Degree Objective: MS, Biology  
Recognition of Heterospecific and Conspecific Chemical Cues by the Rough-Skinned Newt, *Taricha granulosa*

**4:20 – 4:40**

**Nicholas Hum**

California State University, East Bay  
Degree Objective: MS, Biology  
Optimization and Application of Transgenic Frog Enhancer Assay: A Novel Approach to Evaluate Genomic Evolution

FRIDAY, MAY 6, 2011: SESSION 4

## BIOLOGICAL AND AGRICULTURAL SCIENCES – UNDERGRADUATE SCIENCE II; ROOM 307

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**12:40 – 1:00**

**Macarena Aloï**

California State University, Fullerton  
Degree Objective: BS, Biological Science  
A Putative Phytochrome-Like Photoreceptor Regulates the  
Expression Of Red Light-Induced *Psba* RNA Binding Protein  
Genes In *Chlamydomonas Reinhardtii*

**1:00 – 1:20**

**Break**

**1:20 – 1:40**

**Tomasine Quinney**

California State University, Sacramento  
Degree Objective: BS, Biology  
Identification of Antibody to Group A Streptococcal Antigen  
in Pediatric Neuropsychiatric Disorders

**1:40 – 2:00**

**Charlene Emerson**

California State University, Stanislaus  
Degree Objective: BS, Biology  
Phylogenetics of Freshwater Sculpin

**2:00 – 2:20**

**Cynthia Contreras**

California State University, Fresno  
Degree Objective: BS, Biology  
Anti-Angiogenic Effects of Zoledronic Acid on Osteotropic  
Breast Cancer

**2:20 – 2:40**

**Stacy Mauzey**

California State University, Monterey Bay  
Degree Objective: BS, Biology  
Extended Host Range of *Pseudomonas cannabina*  
*pv. alisalensis* includes Brussels Sprouts and Cabbage

**2:40 – 3:00**

**Tracy Audisio**

California State University, Sacramento  
Degree Objective: BS, Biological Sciences  
(Conservation Biology)  
The Depths Of Divergence: A Phylogenetic Analysis  
of Troglomorphic Spiders In The Genus *Usofila*  
(Araneae, Telemidae)

**3:00 – 3:20**

**Sukhvir Kaur Dhillon**

California State University, Sacramento  
Degree Objective: BS, Biological Sciences  
The Quantity of Male DNA Found on a Female's Mouth  
After Kissing

**3:20 – 3:40**

**Nicole Christie**

Sonoma State University  
Degree Objective: BA, Biology  
Effects of Nest Site Selection and Nest Temperature Variation  
on Development in a Northern California Population of  
Western Pond Turtles (*Emys marmorata*)

**3:40 – 4:00**

**Simon Majeno and Kaela Belicove**

California State University, Channel Islands  
Degree Objective: BS, Biology (Cell and Molecular  
emphasis); BS, Biology (Clinical Lab Sciences emphasis)  
Natural Oils as Cancer Suppressors

**4:00 – 4:20**

**Brock Genter**

California State University, Bakersfield  
Degree Objective: BS, Biology  
Allopurinol Prevents Skeletal Muscle Adaptation to Eccentric  
Contractions

**4:20 – 4:40**

**Kevin Johnson**

California State University, Monterey Bay  
Degree Objective: BS, Biology  
A Comparison of Cyanobacterial Abundance and Potential  
Toxicity In Two California Coastal Lakes

**4:40 – 5:00**

**Samantha A. Lang**

California State University, San Marcos  
Degree Objective: BS, Biological Sciences  
Chronic Calorie Restriction Increased Mouse Immune  
Response But Did Not Protect Against Parasite Infection

FRIDAY, MAY 6, 2011: SESSION 5

# **BUSINESS, ECONOMICS AND PUBLIC ADMINISTRATION SCIENCE II; ROOM 308**

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## **2:00 - 2:20**

### **Angela Fizer**

California State University, Long Beach

Degree Objective: MA, Economics

Perceived Job Security among American Workers:  
1988-2008

## **2:20 - 2:40**

### **Yuliya Idemenko**

California State Polytechnic University, Pomona

Degree Objective: MBA, Business

Superstitions and Consumer Decision Making

## **2:40 - 3:00**

### **April Moreno**

California State University, Northridge

Degree Objective: MPA, Public Administration

Current Issues in Environmental Justice and Equity  
in Los Angeles

## **3:00 - 3:20**

### **Chris Rosenlund**

San Francisco State University

Degree Objective: MPA, Public Administration

Examining Possible Effects of Telework Upon  
Career Advancement

## **3:20 - 3:40**

### **Vincent Sritapan**

California State University, San Bernardino

Degree Objective: MBA, Information Assurance and  
Security Management

Metrics Framework for Computer Security Incident Response

## **3:40 - 4:00**

### **Artemio Cardenas and Esra Kose**

California State University, East Bay

Degree Objective: MA, Economics; MA, Economics

An Application Based Analysis of the Effect of Product  
Market Volatility on a Physician's Choice Between Multi-  
skilling and Specialization

## **4:00 - 4:20**

### **Bree Nguyen**

California State University, Dominguez Hills

Degree Objective: BS, Business Administration:  
Finance Concentration

Venture Capital Growth in Southern California:  
The New "Silicon Valley"?

FRIDAY, MAY 6, 2011: SESSION 6  
**EDUCATION – GRADUATE**  
SCIENCE II; ROOM 309

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**1:00 – 1:20**

**Christian Robin Patz**

California State University, Sacramento  
Degree Objective: EdD, Education Leadership and  
Policy Study  
The Black and White World of Emotional Disturbance

**1:20 – 1:40**

**David Wick**

San Francisco State University  
Degree Objective: EdD, Educational Leadership  
Study Abroad for Students of Color: A Third Space  
for Negotiating Agency and Identity

**1:40 – 2:00**

**Heather Karuza**

California State University, Dominguez Hills  
Degree Objective: MA, Educational Administration  
Implementing Diagnostic, Rescue Assignment, Translations,  
and Story Problems (DRTS): An Intervention Model Used  
Among Middle School Math Teachers to Increase Student  
Achievement

**2:00 – 2:20**

**Alison Williams**

San Diego State University  
Degree Objective: MA, Master's of Arts in K-8  
Mathematics Education  
An Elementary Look at Productive Disposition

**2:20 – 2:40**

**Sher Moua**

California State University, Long Beach  
Degree Objective: MA, Education  
The Underpinnings of a Populist Anti-Tax Backlash:  
A Critical Examination of the Political, Economic,  
and Social Forces That Led to the Passage of Proposition 13

**2:40 – 3:00**

**Lena Moua**

California State University, Stanislaus  
Degree Objective: EdD, Educational Leadership  
Navigating Multiple Worlds: A Qualitative Study  
Of The Lived Experiences Of Hmong Women Leaders

**3:00 – 3:20**

**Steve Charbonneau**

California State University, Stanislaus  
Degree Objective: EdD, Educational Leadership  
Becoming Culturally Proficient

**3:20 – 3:40**

**Heather Contreras**

California State University, Stanislaus  
Degree Objective: EdD, Educational Leadership  
The Relationship Between Title I Budget Allocations  
And Student Achievement

**3:40 – 4:00**

**Break**

**4:00 – 4:20**

**Nori Sogomonian**

California State University, San Bernardino  
Degree Objective: EdD, Educational Leadership  
Academic Self-efficacy and Persistence in the Context  
of High-stakes Testing

**4:20 – 4:40**

**Frances Kaki McLachlan**

Sonoma State University  
Degree Objective: MA, Education  
How Middle School Students Use Digital Media Tools  
Within a Scientific Investigation

FRIDAY, MAY 6, 2011: SESSION 7

## ENGINEERING AND COMPUTER SCIENCE – GRADUATE SCIENCE II; ROOM 320

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**1:00 - 1:20**

**Benjamin Adams**

California State University, Fresno  
Degree Objective: MS, Civil Engineering  
Piping Erosion Mechanisms of Organic Soils  
and Bioabatement of Piping Erosion in Sand

**1:20 - 1:40**

**Joe Beaty**

California State University, Los Angeles  
Degree Objective: MS, Civil Engineering  
The Use of Flow Penetrometers to Determine the  
Strength of Soft Clays at Shallow Penetration

**1:40 - 2:00**

**M. Mahdi Biabani**

California State University, Fullerton  
Degree Objective: MS, Civil Engineering  
Evaluation of Compaction Techniques and  
Characteristics for Soft Clays

**2:00 - 2:20**

**Ali Eslambolchi**

California State University, Northridge  
Degree Objective: MS, Mechanical Engineering  
Aerodynamic Characteristics of Cargo Ram-Air  
Canopies during Maneuvering

**2:20 - 2:40**

**Anhduong Le**

California State University, Fullerton  
Degree Objective: MS, Civil Engineering  
High Strength Steel: Potential Applications  
in Building Design

**2:40 - 3:00**

**Jonathan Hofert**

California State Polytechnic University, Pomona  
Degree Objective: MS, Civil Engineering  
A Comprehensive Method to Conduct Hot Spots  
Identification

**3:00 - 3:20**

**Victor Mejia**

California State University, Los Angeles  
Degree Objective: MS, Computer Science  
Automatic Detection for Tracking Moving Objects in H.264  
Video Sequences Using Multiples Features and Gaussian  
Approximation

**3:20 - 3:40**

**Victor Sanchez Escalera**

California Polytechnic State University, San Luis Obispo  
Degree Objective: MS, Civil and Environmental Engineering  
Enhancing Progressive Collapse Resistance of Steel Building  
Frames Using Thin Infill Steel Panels

**3:40 - 4:00**

**Ronald Sloat**

California Polytechnic State University, San Luis Obispo  
Degree Objective: MS, Industrial Engineering  
High-Resolution, Non-Contact Angular Measurement System  
for PSA/RSA

**4:00 - 4:20**

**David Smith**

California Polytechnic State University, San Luis Obispo  
Degree Objective: MS, Mechanical Engineering  
Synthesis and Implementation of Advanced Controllers  
for a New Pneumatic Semi-Active Wheelchair Suspension

**4:20 - 4:40**

**Xu Zhou**

San Francisco State University  
Degree Objective: MS, Engineering (Embedded Electrical  
and Computer Systems)  
Reliability Enhancement of Power Gating Transistor under  
Time Dependant Dielectric Breakdown

**4:40 - 5:00**

**Fu-Yuan Cheng and Shan-Ming Chang**

California State Polytechnic University, Pomona  
Degree Objective: MS, Computer Science; MS,  
Computer Science  
Development of an Evaluation Function for Eye-Hand  
Coordination Robotic Therapy

FRIDAY, MAY 6, 2011: SESSION 8

## HUMANITIES AND LETTERS – GRADUATE

SCIENCE II; ROOM 314

**12:00 – 12:20**

**Kristin Cornelius**

California State University, Northridge  
Degree Objective: MA, English: Rhetoric and Composition  
Preventing Catharsis: An Exploration Of The Use Of  
Comedy For Rhetorical Purposes In Documentary Films

**12:20 – 12:40**

**Sarah Billingsley**

California State University, Sacramento  
Degree Objective: MA, Communication Studies  
The Effect Of Teacher Classroom And E-Mail Immediacy  
On Student Affective Learning And Motivation

**12:40 – 1:00**

**Kathleen Nelson**

California State University, Long Beach  
Degree Objective: MA, French  
Female Perspectives on the French Revolution:  
A Comparison of Olympe de Gouges' Declaration of the  
Rights of Women and the Female Citizen and The Memoirs  
of Madame Roland

**1:00 – 1:20**

**Tara Fansler**

California State University, Los Angeles  
Degree Objective: MA, History  
Writing American Identity: Impressions of Race in  
19th Century Southern California Travel Literature

**1:20 – 1:40**

**David Marks**

California State University, Dominguez Hills  
Degree Objective: MA, Humanities  
From the Will to Wessex to Arkham:  
Lovecraft's Geophilosophical Debt to Hardy

**1:40 – 2:00**

**Joseph Krulder**

California State University, Chico  
Degree Objective: MA, History  
"More Dangerous Enemies": The Role of Nationalism  
in the Execution of Admiral John Byng, 1756-1757

**2:00 – 2:20**

**Daniel Slusser**

California Polytechnic State University, San Luis Obispo  
Degree Objective: MA, History  
Learning to Fly: An Examination of the Wright Brothers' Education

**2:20 – 2:40**

**Natanella Wolfson**

San Francisco State University  
Degree Objective: MA, English (Literature)  
Trauma Theory in Literature

**2:40 – 3:00**

**Jeanette O'Neill**

California State University, Bakersfield  
Degree Objective: MA, English  
The Linguistics Of Translating Beowulf: Donaldson, Lehmann,  
And Heaney A Comparative Study Of The Lexicon And  
Syntax Between The Original And Three Translations

**3:00 – 3:20**

**David Lowell Pelfrey**

California State University, East Bay  
Degree Objective: MA, Public History  
The Cossack and the Stratovolcano: The Pacific in an Age  
of Interruption 1815-1824

**3:20 – 3:40**

**Stacy Schwartz**

San Jose State University  
Degree Objective: MA, Art History  
A Sign of the Times: Contemporary Post-Holocaust Art  
and Jewish Identity

**3:40 – 4:00**

**Yelena Severina**

San Jose State University  
Degree Objective: MA, English  
The Russian Émigré in America: Translating and  
Transcending Exile in Vladimir Nabokov's Pnin and Pale Fire

**4:00 – 4:20**

**Matthew Gervase**

California State University, Long Beach  
Degree Objective: MA, French and Francophone Studies  
Hey, you! Poetic Apostrophe and the Formation of the  
Subject in Les Fleurs du Mal

**4:20 – 4:40**

**Maria Visperas**

San Diego State University  
Degree Objective: MA, Mass Communication  
Sexual Pathology And Assimilation Frames In DTC  
Advertisements On Erectile Dysfunction

**4:40 – 5:00**

**Irina Chukhray**

San Diego State University  
Degree Objective: MA, Women's Studies  
Analysis of Children's Literary Criticism: How Scholars  
Examine Gender, Race/Ethnicity, and Sexuality in Picture Books

FRIDAY, MAY 6, 2011: SESSION 9

# PHYSICAL AND MATHEMATICAL SCIENCES – UNDERGRADUATE SCIENCE II; ROOM 318

**12:00 – 12:20**

**Troy Cannon, Carlos Hernandez, and Luis Torres**

California State University, Fullerton  
Degree Objective: BA, Mathematics; BA, Mathematics; BA,  
Mathematics  
On  $k^{\text{th}}$  Roots in the Symmetric Inverse Monoid

**12:20 – 12:40**

**Galen Cauble and Grant Olson**

California Polytechnic State University, San Luis Obispo  
Degree Objective: BS, Physics; BS Physics  
Effect of Solvent and Cathode Type on Bulk Heterojunction  
Plastic Solar Cell Performance

**12:40 – 1:00**

**Jenna Bernard**

Sonoma State University  
Degree Objective: BS, Chemistry  
Isolation and Characterization of a Novel Chromium  
Binding Protein

**1:00 – 1:20**

**Alexandra Davis and Craig Mueller**

California State University, Monterey Bay  
Degree Objective: BS, Environmental Science, Technology  
& Policy; BS, Biology  
A Regional Analysis of the Distribution of Rippled Scour  
Depressions along the California Coast

**1:20 – 1:40**

**Nisar Farhat**

California State University, San Bernardino  
Degree Objective: BS, Chemistry/Biochemistry  
Qualitative Analysis of Simulated Photolyzed Cometary Matter

**1:40 – 2:00**

**Kellan Candee and Melanie Miller**

California Polytechnic State University, San Luis Obispo  
Degree Objective: BS, Chemistry; BS, Biochemistry  
Kinetics and Reactivity of 1-Arylbicyclo[n.1.0]alkanes

**2:00 – 2:20**

**Ian Lacey**

California State University, East Bay  
Degree Objective: BS, Physics  
Optimization of a Dual-Isotope Rubidium Magnetometer  
for Measuring the Coupling of Gravity to Proton Spin

**2:20 – 2:40**

**Melanie Lomotan**

Sonoma State University  
Degree Objective: BS, Biochemistry  
Isolation and Purification of Chromate Reductase from Novel  
*Pseudomonas veronii*

**2:40 – 3:00**

**Jamison Barsotti**

California State University, Chico  
Degree Objective: BA, Mathematics  
Minor Minimal Intrinsically Knotted Graphs with 21 Edges

**3:00 – 3:20**

**Paul Schroeder**

San Diego State University  
Degree Objective: BS, Physics  
Investigation Of A Suspension Of Sub-Micron Carbon  
Particles Generated By A Hydrocarbon Cracking Chamber

**3:20 – 3:40**

**Dillon Giblin**

California State University, Bakersfield  
Degree Objective: BS, Mathematics  
Application of Calculus of Variations to Optimization  
of Aircraft Fuel Consumption

**3:40 – 4:00**

**Karen Antonio**

California State University, San Bernardino  
Degree Objective: BS, Chemistry  
The Analysis of Cyanide in Wastewater

**4:00 – 4:20**

**Michael Medrano**

California State Polytechnic University, Pomona  
Degree Objective: BS, Physics  
Fiber Optic Stress and Temperature Sensor

**4:20 – 4:40**

**Coleman Dobson**

California State University, Los Angeles  
Degree Objective: BS, Pure Mathematics, Physics (double major)  
Saturn Ring Data Analysis and Thermal Modeling

**4:40 – 5:00**

**Rodolfo Lopez Jr., Josh Casara, Gregorio Franco Jr.,  
and Steven Lee**

California State University, Stanislaus  
Degree Objective: BS, Physics; BS, Physics; BS, Physics; BS, Physics  
Perfecting a Super Recipe: A Study of Pb-doped  $\text{Bi}_2\text{Sr}_2\text{Ca}_2$   
 $\text{Cu}_3\text{O}_{11-\delta}$  Superconductors

SATURDAY, MAY 7, 2011: SESSION 10

## BEHAVIORAL AND SOCIAL SCIENCES – UNDERGRADUATE SCIENCE II; ROOM 109

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**8:00 – 8:20**

**Brittany Rudd**

California State University, Fresno

Degree Objective: BA, Psychology

Perception of Stressors: The Difference between Caucasian and Mexican American College Students

**8:20 – 8:40**

**Daniel Penilla**

California State University, Fullerton

Degree Objective: BA, Sociology

A Sociological Study Of Community Generated Art And Activism

**8:40 – 9:00**

**Cody Rosasco**

California State University, Monterey Bay

Degree Objective: BA, Psychology

Adult Sleep Patterns are not Predicted by Parental Perceptions of or use of a Sleep Method

**9:00 – 9:20**

**Matthew Pasillas**

California State University, Los Angeles

Degree Objective: BA, Sociology

Emotional Labor of a Disney Resort Character

**9:20 – 9:40**

**Michelle Calderwood**

California State University, San Marcos

Degree Objective: BA, Psychology

Behavioral Effects of Ketamine Depend on Route of Administration

**9:40 – 10:00**

**Ryland Cleveland and Garrett Kuiken**

California State University, Channel Islands

Degree Objective: BA, Anthropology; BA, Liberal Studies

Living on the Edge ( of the Oxnard Plain)

**10:00 – 10:20**

**Stacy Teeters**

California State University, Bakersfield

Degree Objective: BA, Psychology/History

The "Bi" in Ambiguity: Tolerance of Ambiguity and Attitudes toward Bisexual Women and Men

**10:20 – 10:40**

**Vincent Aguirre**

California State University, Fresno

Degree Objective: BA, Psychology

The Lexical Effects of Visual Similarity Structure on Audiovisual Spoken Word Recognition

**10:40 – 11:00**

**Alexander Spradlin**

California State University, Dominguez Hills

Degree Objective: BA, Psychology

Virtual Friendships: A Study of Digital Media Usage and Empathy

**11:00 – 11:20**

**Selina Anjum**

Sonoma State University

Degree Objective: BA, Sociology & AMCS

Constructing Identity: Perceptions of Middle Easterners in a Post-9/11 World

**11:20 – 11:40**

**Casey Padginton and Brandon Dowling**

California State University, Channel Islands

Degree Objective: BA; Political Science/Environmental

Science Resource Management , BA, Political Science

Congressional Appropriations Earmarks and Representation in American Politics

**11:40 – 12:00**

**Cassie Comley**

California State University, Long Beach

Degree Objective: BA, Psychology

Fall in Line: How Surfers' Perceptions of Localism, Territoriality, and Waves as Limited Resources Influence Surf-related Aggression

SATURDAY, MAY 7, 2011: SESSION 11

## BIOLOGICAL AND AGRICULTURAL SCIENCES – GRADUATE SCIENCE II; ROOM 110

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**8:40 – 9:00**

**Alex Keleman**

California State University, Dominguez Hills  
Degree Objective: BS, General Biology  
The Efficacy of Combination and Metronomic Therapy with Gemcitabine and Sunitinib on Pancreatic Cancer In Vitro and In Vivo

**9:00 – 9:20**

**Ying Zou**

California State University, East Bay  
Degree Objective: MS, Molecular & Cell Biology  
Modulation Of Fate And Phenotype Of Human Embryonic Stem Cells And Their Progenies In Response To Ionizing Radiation

**9:20 – 9:40**

**Prasad Yadavali**

California State University, Fresno  
Degree Objective: MS, Plant Science  
Yield and Blossom End Rot in Tomatoes Subjected to Calcium Fertilization and Acidification in Salt-Affected Soils

**9:40 – 10:00**

**Brandee Stone**

California State University, Chico  
Degree Objective: MS, Microbiology/Biology  
Rethinking Phosphorus Cycling: A View of Bacteria's True Role

**10:00 – 10:20**

**Kelly Thomasson**

California State University, Sacramento  
Degree Objective: MS, Biology  
An Analysis Of The Efficacy Of The Marine Protected Areas Of Maui County In Consideration Of Tourism

**10:20 – 10:40**

**Rebecca Flegel**

California State University, Los Angeles  
Degree Objective: MS, Biology  
Landscape Pattern And Process In The Disturbance Paradigm: An Alternative View Of Mussel Beds

**10:40 – 11:00**

**YueJia Wu**

California State University, Channel Islands  
Degree Objective: MS, Biotechnology  
Articular Mesenchymal Stem Cell and the Effect of Growth Differentiation Factor-5 (GDF-5)

**11:00 – 11:20**

**Erin Stanfield**

California State University, Monterey Bay  
Degree Objective: MS, Coastal and Watershed Science & Policy  
Presence and Toxicity of Freshwater Cyanobacteria in Pinto Lake, Monterey Bay Area, California

**11:20 – 11:40**

**Andrew Core**

San Francisco State University  
Degree Objective: MS, Biology  
A New Honey Bee Threat- the Phorid Fly *Apocephalus borealis*

**11:40 – 12:00**

**Julia Busch**

San Diego State University  
Degree Objective: MS, Molecular Biology  
Copper Tolerance in Bacteria Associated with *Macrocystis pyrifera*

SATURDAY, MAY 7, 2011: SESSION 12

## BIOLOGICAL AND AGRICULTURAL SCIENCES – UNDERGRADUATE SCIENCE II; ROOM 210

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**8:00 – 8:20**

**Duc Le**

California State University, Long Beach  
Degree Objective: BS, Biochemistry  
Lysine Residues Mediate Antimicrobial Activity  
Of Apolipoprotein III

**8:20 – 8:40**

**Armbien Sabillo**

San Francisco State University  
Degree Objective: BS, Biology (Physiology)  
Tracking Cell Migration during Muscle Formation  
in *X. laevis* Embryos

**8:40 – 9:00**

**Nicholas Macias**

California State University, Sacramento  
Degree Objective: BS, Conservation Biology  
Potential Direct And Indirect Effects Of Omnivorous Shrimps  
On Mayfly Naiads In A Tropical Island Stream:  
A Laboratory Study

**9:00 – 9:20**

**Anthony Basilio**

California State University, Monterey Bay  
Degree Objective: BS, Biology  
Effects Of Body Size On The Swimming Performance  
And Pectoral Fin Growth Of Black Surfperch (*Embiotoca*  
*Jacksoni*) From Central California

**9:20 – 9:40**

**Danelle Reddy**

Sonoma State University  
Degree Objective: BS, Biology  
Killing *Listeria*: The Effectiveness of Two Antibacterial  
Peptides

**9:40 – 10:00**

**Ricco Reynolds**

California State University, Bakersfield  
Degree Objective: BS, Biology  
Exercise Induced Skeletal Muscle Damage And Adaptation  
Following Eccentric Muscle Contractions In Normal And  
Muscular Dystrophic (*Mdx*) Mice

**10:00 – 10:20**

**Andrew Cooper**

California State University, San Marcos  
Degree Objective: BS, Biological Sciences  
Silencing Glutaredoxins in *Arabidopsis thaliana*

**10:20 – 10:40**

**Rachel Sanchez**

California State Polytechnic University, Pomona  
Degree Objective: BS, Biological Sciences  
Functional Consequences of Sulfhydryl Modification  
of the  $\gamma$ -Aminobutyric Acid Transporter 1 (GAT1)  
at a Single Solvent-Exposed Cysteine Residue

**10:40 – 11:00**

**Ishita Shukla**

California State University, Fullerton  
Degree Objective: BS, Biology  
Genetic Organization of Antibiotic Resistance Genes  
at the RNA Level

**11:00 – 11:20**

**Sara Warren**

California State University, Sacramento  
Degree Objective: BA, Anthropology  
Seasonal Food Resources' Effect On The Activity Budgets  
Of Two Nicaraguan Mantled Howler Monkey Groups

**11:20 – 11:40**

**Kai Battenberg and Erika Todd**

California State University, Stanislaus  
Degree Objective: BS, Biology; BS, Biology  
The Effects Of Cigarette Smoke On Plasma Glucose, Insulin,  
And Cortisol Levels

**11:40 – 12:00**

**Sarah Gao**

California State University, Los Angeles  
Degree Objective: BS, Biochemistry  
Antiproliferative Effects Of The Novel Anti-Cancer Agent,  
Chlorambucil-Templol, And Its Use In Drug Delivery Research

SATURDAY, MAY 7, 2011: SESSION 13

## **CREATIVE ARTS AND DESIGN**

SCIENCE II; ROOM 307

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### **10:00 - 10:20**

#### **Jessica Eastburn**

San Jose State University

Degree Objective: MFA, Pictorial Art

Brain Drain: Thesis Exhibition

### **10:20 - 10:40**

#### **Jesus Santos**

San Francisco State University

Degree Objective: MA, Family and Consumer Sciences

The Desert Xpandable House: Closing the Gap on Social  
Accessibility and Affordability in Green Housing

### **10:40 - 11:00**

#### **Laura Male, Elizabeth Hurst, and BriAnna Michelle Weldon**

California State Polytechnic University, Pomona

Degree Objective: MLA, Landscape Architecture; MLA,

Landscape Architecture; MLA, Landscape Architecture

Humans vs. Fire: Designing for Sustainable Living Along  
the Wildland-Urban Interface

### **11:00 - 11:20**

#### **Ned Imming**

California State University, San Marcos

Degree Objective: BS, Biochemistry

Relative Remembrance

SATURDAY, MAY 7, 2011: SESSION 14

# ENGINEERING AND COMPUTER SCIENCE – UNDERGRADUATE SCIENCE II; ROOM 308

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**8:00 – 8:20**

**Giovanni Bryden**

California State Polytechnic University, Pomona  
Degree Objective: BS, Civil Engineering  
Performance Evaluation of Alternative Freeway Designs

**8:20 – 8:40**

**Edgar Calcanas**

California State University, Monterey Bay  
Degree Objective: BS, Computer Science and Information  
Technology (CSIT)  
Performance Analysis of a Delay Tolerant Routing Protocol

**8:40 – 9:00**

**Chris Glaubig**

California State University, San Bernardino  
Degree Objective: BS, Computer Engineering  
Improved Implementation of Facial Tracking using OpenCV

**9:00 – 9:20**

**Jon Haider**

California State University, Fullerton  
Degree Objective: BS, Civil Engineering  
Effectiveness of Friction Dampers of Dissipation  
of Seismic Energy

**9:20 – 9:40**

**Ricky Hennessy**

California Polytechnic State University, San Luis Obispo  
Degree Objective: BS & MS, Biomedical Engineering  
Automated Detection Of Malignant Features In Confocal  
Microscopy On Superficial Spreading Melanoma Versus  
Benign Lesions

**9:40 – 10:00**

**Stephanie Guadalupe, Matthew Edward Rose,  
and Hovig Yarialian**

California State Polytechnic University, Pomona  
Degree Objective: BS, Aerospace; BS, Aerospace;  
BS, Aerospace  
Intelligence, Surveillance, and Reconnaissance for an  
Unmanned Aerial System through Automation and Image  
Recognition

**10:00 – 10:20**

**Kevin Norman Teodoro**

California State University, Dominguez Hills  
Degree Objective: BS, Business Administration: Information  
Systems Security  
Risk Management - An Empirical Study

**10:20 – 10:40**

**Danika Lindsay, Lawrence Averion, Luis Contreras,  
Matthew Dawson, and Raquel Barata**

California State University, Channel Islands  
Degree Objective: BS, Mathematics; BS, Mathematics;  
BS, Mathematics; BS, Mathematics; BS, Mathematics  
Stem Detection of Strawberries Utilizing the Medial  
Axis Transform

**10:40 – 11:00**

**Jessica Rasmussen, Anthony Hartman,  
and Jose Torres**

California State University, Long Beach  
Degree Objective: BS, Aerospace Engineering;  
BS, Aerospace Engineering; BS, Aerospace Engineering  
Design and Analysis of a Liquid Oxygen/Propylene  
Upper Stage Rocket Engine

**11:00 – 11:20**

**Melissa Marchand and Kevin Velado**

California State University, Bakersfield  
Degree Objective: BS, Mathematics; BS, Computer Science  
A Bayesian Times Series Attack on Video Digital Watermarks

**11:20 – 11:40**

**Ankit Patel, Jose Hernandez, Moises Rivera,  
and Jamie Orozco**

California State Polytechnic University, Pomona  
Degree Objective: MS, Structural Engineering; BS, Civil  
Engineering; BS, Civil Engineering; BS, Civil Engineering  
Seismic Design of a Prototype Building with Moment  
Resisting Frames and Supplemental Dampers Using  
a Simplified Design Procedure

**11:40 – 12:00**

**Adam Lewis**

California State University, Fullerton  
Degree Objective: BS, Civil Engineering  
Experimental Modeling of Sandy Slope with Simulated  
Rainfall and 1g Earthquake Shaking

SATURDAY, MAY 7, 2011: SESSION 15

# HEALTH, NUTRITION, AND CLINICAL SCIENCES

## SCIENCE II; ROOM 309

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**8:20 - 8:40**

**Dalziel R. Soto**

California State University, San Marcos  
Degree Objective: BA, Kinesiology  
Preserving Lower Limb Muscle Function Following Spinal  
Cord Injury: Optimizing Robotic Training Techniques

**8:40 - 9:00**

**Marilyn Baker-Venturini**

San Jose State University  
Degree Objective: MS, Nutrition  
Nutrition Status as a Risk Factor for Falls Among Older Adults

**9:00 - 9:20**

**Aubrey Smith**

California Polytechnic State University, San Luis Obispo  
Degree Objective: MS, Biomedical Engineering  
Characterization and Implementation of a Decellularized  
Porcine Vessel as a Biologic Scaffold for a Tissue  
Engineered Blood Vessel Mimic

**9:20 - 9:40**

**Shreya Ghiya**

San Francisco State University  
Degree Objective: MS, Kinesiology  
Effects of Acute Anulom-Vilom Breathing on Autonomic  
Control of the Heart

**9:40 - 10:00**

**Timothy Mackey**

San Diego State University  
Degree Objective: PhD, Global Health  
Off Label, Off Limits?: Assessing the Regulation, Debate,  
Enforcement and Potential Policy Considerations of  
Off-Label Promotion

**10:00 - 10:20**

**Pilar Chilet**

California State University, Northridge  
Degree Objective: MS, Family and Consumer Science -  
Nutrition, Dietetics, & Food Science  
An Examination of Culturally Sensitive Educational Materials  
on Eating Behaviors

**10:20 - 10:40**

**Keri Zaro**

California State University, Monterey Bay  
Degree Objective: BS, Kinesiology  
Applied Warm-Up Strategies: Effects on Vertical Jump

**10:40 - 11:00**

**Alexandra Waite**

California State University, Chico  
Degree Objective: MS, Nutrition and Food Science  
Impact of Harvest of the Month Program on School  
Cafeteria Lunch Selection among K-6 Students

**11:00 - 11:20**

**Anna Stiles Hanlon**

California State University, Fullerton  
Degree Objective: MPH, Public Health  
Food choice: Using the Multi-Attribute Utility Model  
to Understand Eating Behaviors among College Students

**11:20 - 11:40**

**Jeanine Mattijetz, Dehra Lopez, and Mandy Kusumoto**

California State University, Dominguez Hills  
Degree Objective: MS, Occupational Therapy; MS,  
Occupational Therapy; MS, Occupational Therapy  
Exploring the Relationship Between Persons with Visual  
Impairments and their Guide Dogs

**11:40 - 12:00**

**Amy Noble, David Kim, and Kristine Nakama**

California State University, Dominguez Hills  
Degree Objective: MS, Occupational Therapy; MS,  
Occupational Therapy; MS, Occupational Therapy  
Experiences of Combat Veterans Upon Re-entrance  
Into the Civilian Society

SATURDAY, MAY 7, 2011: SESSION 16

# **HUMANITIES AND LETTERS** – UNDERGRADUATE SCIENCE II; ROOM 314

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**10:00 - 10:20**

**Christina Sabuco**

Sonoma State University

Degree Objective: BA, Spanish

Speak And Write Spanish As If It Were Your

Native Language

**10:20 - 10:40**

**John Garcia**

California State University, Dominguez Hills

Degree Objective: BA, Chicano Studies/Linguistics

Chicana/Chicano Indigenous Identity

**10:40 - 11:00**

**Michelle Kittel**

California State University, Stanislaus

Degree Objective: BA, Anthropology and English

Power and Prestige: Elite architecture at Los Naranjitos,

El Paraiso, Western Honduras

**11:00 - 11:20**

**Scott Brantner**

California State University, Northridge

Degree Objective: BA, History

Cato the Elder: The Role of Psychological Understanding

in His Public Career

SATURDAY, MAY 7, 2011: SESSION 17

## **INTERDISCIPLINARY** SCIENCE II; ROOM 318

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**8:40 - 9:00**

**Stephen Chang, Juliane Nguyen, and Nina Nguyen**

California State University, Fullerton  
Degree Objective: BA, Political Science, BA,  
Asian American Studies; BS, Biology  
Reproductive Health Knowledge and Behavior Among  
College Women: A Focus on Contraception and  
Papanicolaou Screening Rates

**11:00 - 11:20**

**Selena Mone**

California State University, Channel Islands  
Degree Objective: BA, English  
Poetry and Music: The Felt Language of Sound

**9:00 - 9:20**

**Rebecca Milosevic**

California State University, Chico  
Degree Objective: MA, Teaching International Languages  
Early Bilingual Acquisition of the Voicing Contrast in Spanish  
and English

**9:20 - 9:40**

**Darci Arnold**

San Jose State University  
Degree Objective: MA, Interdisciplinary Studies  
Planet Building: A Case Study of Corporate Sustainability  
for a Globalized World

**9:40 - 10:00**

**Rika Traxler**

California State University, Northridge  
Degree Objective: MA, Theatre and Art Education  
Clothing the Un-clothed: The Evolution of Dance Costumes  
in Tahiti and Rarotonga

**10:00 - 10:20**

**Roberto Gutierrez**

San Diego State University  
Degree Objective: PhD, Language and Communicative  
Disorders  
Plausibility, grammaticality and pupillometry

**10:20 - 10:40**

**Break**

**10:40 - 11:00**

**Maria-Isabel Rocha**

California State University, San Marcos  
Degree Objective: BA, Communication  
Linking Coachella Farmworkers to Vital Resources

SATURDAY, MAY 7, 2011: SESSION 18

# PHYSICAL AND MATHEMATICAL SCIENCES – GRADUATE SCIENCE II; ROOM 320

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**9:00 – 9:20**

**Jennifer Bonsangue**

California State University, Channel Islands

Degree Objective: MS, Mathematics

Cubic Algebraic Surfaces

**9:20 – 9:40**

**Heemal Dhanjee**

California State University, Northridge

Degree Objective: MS, Chemistry

The Total Synthesis of Dehydrorabelomycin and Derivatives

**9:40 – 10:00**

**Amber Jean Michael Kuss**

San Francisco State University

Degree Objective: MS, Geosciences

Effects Of Climate Variability On Recharge In Regional  
Aquifers Of The United States

**10:00 – 10:20**

**Greg Strange**

California Polytechnic State University, San Luis Obispo

Degree Objective: MS, Polymers and Coatings

Controlling Nanoparticle Dispersion Via Diels-Alder Chemistry

**10:20 – 10:40**

**Minh Tran**

California State University, Long Beach

Degree Objective: MS, Applied Mathematics

Wildfire Spread Models Using Advection-Diffusion-Reaction  
Equation

**10:40 – 11:00**

**Robert Wilson**

San Diego State University

Degree Objective: PhD, Chemistry

Self Assembly of Group-III Tin Nitride Clusters:  
Unique Anionic Ammonia and Ammonium Analogues

**11:00 – 11:20**

**Brent Wilson**

California State University, Fresno

Degree Objective: MS, Physics

Detecting W and Z Bosons at the ATLAS Experiment  
of the Large Hadron Collider at CERN

# CAMPUS DELEGATIONS

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## CALIFORNIA STATE UNIVERSITY, **BAKERSFIELD**

- Fri. 1:20** Amber Barton  
Session 3; Room 210
- Fri. 2:40** Jeanette O'Neill  
Session 8; Room 314
- Fri. 3:00** Dirk Horn  
Session 2; Room 110
- Fri. 3:20** Dillon Giblin  
Session 9; Room 318
- Fri. 4:00** Brock Genter  
Session 4; Room 307
- Sat. 9:40** Ricco Reynolds  
Session 12; Room 210
- Sat. 10:00** Stacy Teeters  
Session 10; Room 109
- Sat. 11:00** Melissa Marchand and Kevin Velado  
Session 14; Room 308

## CALIFORNIA STATE UNIVERSITY, **CHANNEL ISLANDS**

- Fri. 1:40** Drew Shami  
Session 3; Room 210
- Fri. 2:00** Katrina Newcomb and MacKenzie Garcia  
Session 2; Room 110
- Fri. 3:40** Simon Majeno and Kaela Belicove  
Session 4; Room 307
- Sat. 9:00** Jennifer Bonsangue  
Session 18; Room 320
- Sat. 9:40** Ryland Cleveland and Garrett Kuiken  
Session 10; Room 109
- Sat. 10:20** Danika Lindsay, Luis Contreras, Matthew Dawson,  
Lawrence Averion, and Raquel Barata  
Session 14; Room 308
- Sat. 10:40** Yuejia Wu  
Session 11; Room 110
- Sat. 11:00** Selena Mone  
Session 17; Room 318
- Sat. 11:20** Casey Padginton and Brandon Dowling  
Session 10; Room 109

## CALIFORNIA STATE UNIVERSITY, **CHICO**

- Fri. 12:40** Jessica Bibbo  
Session 1; Room 109
- Fri. 1:40** Joseph Krulder  
Session 8; Room 314
- Fri. 2:40** Jamison Barsotti  
Session 9; Room 318
- Fri. 3:40** Tim Hanson  
Session 3; Room 210
- Sat. 9:00** Rebecca Milosevic  
Session 17; Room 318
- Sat. 9:40** Brandee Stone  
Session 11; Room 110
- Sat. 10:40** Alexandra Waite  
Session 15; Room 309

## CALIFORNIA STATE UNIVERSITY, **DOMINGUEZ HILLS**

- Fri. 1:20** David Marks  
Session 8; Room 314
- Fri. 1:40** Heather Karuza  
Session 6; Room 309
- Fri. 3:20** Celso Jaquez  
Session 2; Room 110
- Fri. 4:00** Bree Nguyen  
Session 5; Room 308
- Sat. 8:40** Alex Keleman  
Session 11; Room 110
- Sat. 10:00** Kevin Norman Teodoro  
Session 14; Room 308
- Sat. 10:20** John Garcia  
Session 16; Room 314
- Sat. 10:40** Alexander Spradlin  
Session 10; Room 109
- Sat. 11:20** Jeanine Mattijetz, Dehra Lopez,  
and Mandy Kusumoto  
Session 15; Room 309
- Sat. 11:40** Amy Noble, David Kim,  
and Kristine Nakama  
Session 15; Room 309

## CALIFORNIA STATE UNIVERSITY, **EAST BAY**

- Fri. 1:00** Nicholas Cragoe  
Session 1; Room 109
- Fri. 2:00** Ian Lacey  
Session 9; Room 318
- Fri. 3:00** David Lowell Pelfrey  
Session 8; Room 314
- Fri. 3:40** Artemio Cardenas and Esra Kose  
Session 5; Room 308
- Fri. 4:20** Nicholas Hum  
Session 3; Room 210
- Sat. 9:00** Ying Zou  
Session 11; Room 110

## CALIFORNIA STATE UNIVERSITY, **FRESNO**

- Fri. 12:40** Ashley Yaughner  
Session 2; Room 110
- Fri. 1:00** Benjamin Adams  
Session 7; Room 320
- Fri. 2:00** Cynthia Contreras  
Session 4; Room 307
- Fri. 2:40** Kelli Upton  
Session 3; Room 210
- Fri. 3:20** Julie Hale  
Session 3; Room 210
- Fri. 4:20** Miriam Walsh  
Session 1; Room 109
- Sat. 8:00** Brittany Rudd  
Session 10; Room 109
- Sat. 9:20** Prasad Yadavali  
Session 11; Room 110
- Sat. 10:20** Vincent Aguirre  
Session 10; Room 109
- Sat. 11:00** Brent Wilson  
Session 18; Room 320

## CALIFORNIA STATE UNIVERSITY, **FULLERTON**

- Fri. 12:00** Troy Cannon, Luis Torres,  
and Carlos Hernandez  
Session 9; Room 318
- Fri. 12:40** Macarena Aloï  
Session 4; Room 307
- Fri. 1:40** M. Mahdi Biabani  
Session 7; Room 320
- Fri. 2:20** Anhduong Le  
Session 7; Room 320
- Sat. 8:20** Daniel Penilla  
Session 10; Room 109
- Sat 8:40** Stephen Chang, Juliane Nguyen,  
and Nina Nguyen  
Session 17; Room 318
- Sat 9:00** Jon Haider  
Session 14; Room 308
- Sat. 10:40** Ishita Shukla  
Session 12; Room 210
- Sat. 11:00** Anna Stiles Hanlon  
Session 15; Room 309
- Sat. 11:40** Adam Lewis  
Session 14; Room 308

## CALIFORNIA STATE UNIVERSITY, **LONG BEACH**

- Fri. 12:40** Kathleen Nelson  
Session 8; Room 314
- Fri. 1:00** Gursharan Bains  
Session 3; Room 210
- Fri. 1:40** Daniel Snipes  
Session 2; Room 110
- Fri. 2:00** Angela Fizer  
Session 5; Room 308
- Fri. 2:20** Sher Moua  
Session 6; Room 309
- Fri. 4:00** Matthew Gervase  
Session 8; Room 314
- Sat. 8:00** Duc Le  
Session 12; Room 210
- Sat. 10:20** Minh Tran  
Session 18; Room 320
- Sat. 10:40** Jessica Rasmussen, Anthony Hartman,  
and Jose Torres  
Session 14; Room 308
- Sat. 11:40** Cassie Comley  
Session 10; Room 109

## CALIFORNIA STATE UNIVERSITY, LOS ANGELES

<b>Fri. 1:00</b>	Tara Fansler Session 8; Room 314
<b>Fri. 1:20</b>	Joe Beaty Session 7; Room 320
<b>Fri. 2:00</b>	Jose Zamalloa Session 3; Room 210
<b>Fri. 2:40</b>	Alisa Kosheleff Session 1; Room 109
<b>Fri. 3:00</b>	Victor Mejia Session 7; Room 320
<b>Fri. 3:40</b>	Phoutdavone Phimphasone Session 1; Room 109
<b>Fri. 4:20</b>	Coleman Dobson Session 9; Room 318
<b>Sat. 9:00</b>	Matthew Pasillas Session 10; Room 109
<b>Sat. 10:20</b>	Rebecca Flegel Session 11; Room 110
<b>Sat. 11:40</b>	Sarah Gao Session 12; Room 210

## CALIFORNIA STATE UNIVERSITY, MONTEREY BAY

<b>Fri. 1:00</b>	Alexandra Davis and Craig Mueller Session 9; Room 318
<b>Fri. 2:20</b>	Stacy Mauzey Session 4; Room 307
<b>Fri. 4:20</b>	Kevin Johnson Session 4; Room 307
<b>Fri. 4:40</b>	Jesse Mangiagli Session 2; Room 110
<b>Sat. 8:20</b>	Edgar Calcanas Session 14; Room 308
<b>Sat. 8:40</b>	Cody Rosasco Session 10; Room 109
<b>Sat. 9:00</b>	Anthony Basilio Session 12; Room 210
<b>Sat. 10:20</b>	Keri Zaro Session 15; Room 309
<b>Sat. 11:00</b>	Erin Stanfield Session 11; Room 110

## CALIFORNIA STATE UNIVERSITY, **NORTHRIDGE**

<b>Fri. 12:00</b>	Kristin Cornelius Session 8; Room 314
<b>Fri. 1:20</b>	Olga Kramarova Session 1; Room 109
<b>Fri. 2:00</b>	Ali Eslambolchi Session 7; Room 320
<b>Fri. 2:40</b>	April Moreno Session 5; Room 308
<b>Fri. 3:00</b>	Jenny Gowan Session 3; Room 210
<b>Fri. 3:40</b>	Arnold Farias Session 2; Room 110
<b>Sat. 9:20</b>	Heemal Dhanjee Session 18; Room 320
<b>Sat. 9:40</b>	Rika Traxler Session 17; Room 318
<b>Sat. 10:00</b>	Pilar Chilet Session 15; Room 309
<b>Sat. 11:00</b>	Scott Brantner Session 16; Room 314

## CALIFORNIA STATE POLYTECHNIC UNIVERSITY, **POMONA**

<b>Fri. 12:40</b>	Cynthia Anderson Session 3; Room 210
<b>Fri. 2:20</b>	Yuliya Idemenko Session 5; Room 308
<b>Fri. 2:40</b>	Jonathan Hofert Session 7; Room 320
<b>Fri. 4:00</b>	Michael Medrano Session 9; Room 318
<b>Fri. 4:40</b>	Fu-Yuan Cheng and Shan-Ming Chang Session 7; Room 3
<b>Sat. 8:00</b>	Giovanni Bryden Session 14; Room 308
<b>Sat. 9:40</b>	Stephanie Guadalupe, Matthew Edward Rose, and Hovig Yaralian Session 14; Room 308
<b>Sat. 10:20</b>	Rachel Sanchez Session 12; Room 210
<b>Sat. 10:40</b>	Laura Male, Elizabeth Hurst, and BriAnna Michelle Weldon Session 13; Room 307
<b>Sat. 11:20</b>	Ankit Patel, Jose Hernandez, Moises Rivera, and Jamie Orozco Session 14; Room 308

CALIFORNIA STATE UNIVERSITY,  
**SACRAMENTO**

<b>Fri. 12:20</b>	Sarah Billingsley Session 8; Room 314
<b>Fri. 1:00</b>	Christian Robin Patz Session 6; Room 309
<b>Fri. 1:20</b>	Tomasine Quinney Session 4; Room 307
<b>Fri. 2:40</b>	Tracy Audisio Session 4; Room 307
<b>Fri. 3:00</b>	Sukhvir Kaur Dhillon Session 4; Room 307
<b>Fri. 4:00</b>	Gary Scholze Session 1; Room 109
<b>Sat. 8:40</b>	Nicholas Macias Session 12; Room 210
<b>Sat. 10:00</b>	Kelly Thomasson Session 11; Room 110
<b>Sat. 11:00</b>	Sara Warren Session 12; Room 210

CALIFORNIA STATE UNIVERSITY,  
**SAN BERNARDINO**

<b>Fri. 1:20</b>	Nisar Farhat Session 9; Room 318
<b>Fri. 3:00</b>	Heather Fickas Session 1; Room 109
<b>Fri. 3:20</b>	Vincent Sritapan Session 5; Room 308
<b>Fri. 3:40</b>	Karen Antonio Session 9; Room 318
<b>Fri. 4:00</b>	Nori Sogomonian Session 6; Room 309
<b>Sat. 8:40</b>	Chris Glaubig Session 14; Room 308

**SAN DIEGO** STATE UNIVERSITY

<b>Fri. 1:00</b>	Alex Liu Session 2; Room 110
<b>Fri. 2:00</b>	Alison Williams Session 6; Room 309
<b>Fri. 2:20</b>	Martis Cowles Session 3; Room 210
<b>Fri. 3:00</b>	Paul Schroeder Session 9; Room 318
<b>Fri. 4:20</b>	Maria Visperas Session 8; Room 314
<b>Fri. 4:40</b>	Irina Chukhray Session 8; Room 314
<b>Sat. 9:40</b>	Timothy Mackey Session 15; Room 309
<b>Sat. 10:00</b>	Roberto Gutierrez Session 17; Room 318
<b>Sat. 10:40</b>	Robert Wilson Session 18; Room 320
<b>Sat. 11:40</b>	Julia Busch Session 11; Room 110

## SAN FRANCISCO STATE UNIVERSITY

- Fri. 1:20** David Wick  
Session 6; Room 309
- Fri. 1:40** Shubha Rani Gargava  
Session 1; Room 109
- Fri. 2:20** Natanella Wolfson  
Session 8; Room 314
- Fri. 3:00** Chris Rosenlund  
Session 5; Room 308
- Fri. 4:20** Xu Zhou  
Session 7; Room 320
- Sat. 8:20** Armbien Sabillo  
Session 12; Room 210
- Sat. 9:20** Shreya Ghiya  
Session 15; Room 309
- Sat. 9:40** Amber Jean Michael Kuss  
Session 18; Room 320
- Sat. 10:20** Jesus Santos  
Session 13; Room 307
- Sat. 11:20** Andrew Core  
Session 11; Room 110

## SAN JOSÉ STATE UNIVERSITY

- Fri. 3:20** Stacy Schwartz  
Session 8; Room 314
- Fri. 3:40** Yelena Severina  
Session 8; Room 314
- Sat. 8:40** Marilyn Baker-Venturini  
Session 15; Room 309
- Sat. 9:20** Darci Arnold  
Session 17; Room 318
- Sat. 10:00** Jessica Eastburn  
Session 13; Room 307

## CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO

- Fri. 12:20** Galen Cauble and Grant Olson  
Session 9; Room 318
- Fri. 1:40** Kellan N. Candee and Melanie M. Miller  
Session 9; Room 318
- Fri. 2:00** Daniel Slusser  
Session 8; Room 314
- Fri. 2:20** Samantha Kuri  
Session 2; Room 110
- Fri. 3:20** Victor Sanchez Escalera  
Session 7; Room 320
- Fri. 3:40** Ronald Sloat  
Session 7; Room 320
- Fri. 4:00** David Smith  
Session 7; Room 320
- Sat. 9:00** Aubrey Smith  
Session 15; Room 309
- Sat. 9:20** Ricky Hennessy  
Session 14; Room 308
- Sat. 10:00** Greg Strange  
Session 18; Room 320

## CALIFORNIA STATE UNIVERSITY, SAN MARCOS

- Fri. 1:20** Anna Hood  
Session 2; Room 110
- Fri. 2:20** Marianne Klumph  
Session 1; Room 109
- Fri. 3:20** Gina Merchant  
Session 1; Room 109
- Fri. 4:00** Eleuterio Federico Limas  
Session 2; Room 110
- Fri. 4:40** Samantha A. Lang  
Session 4; Room 307
- Sat. 8:20** Dalziel R. Soto  
Session 15; Room 309
- Sat. 9:20** Michelle Calderwood  
Session 10; Room 109
- Sat. 10:00** Andrew Cooper  
Session 12; Room 210
- Sat. 10:40** Maria-Isabel Rocha  
Session 17; Room 318
- Sat. 11:00** Ned Imming  
Session 13; Room 307

## SONOMA STATE UNIVERSITY

- Fri. 12:40** Jenna Bernard  
Session 9; Room 318
- Fri. 2:20** Melanie Lomotan  
Session 9; Room 318
- Fri. 2:40** Chad Bower  
Session 2; Room 110
- Fri. 3:20** Nicole Christie  
Session 4; Room 307
- Fri. 4:00** Emily Harvey  
Session 3; Room 210
- Fri. 4:20** Frances Kaki McLachlan  
Session 6; Room 309
- Sat. 9:20** Danelle Reddy  
Session 12; Room 210
- Sat. 10:00** Christina Sabuco  
Session 16; Room 314
- Sat. 11:00** Selina Anjum  
Session 10; Room 109

## CALIFORNIA STATE UNIVERSITY, STANISLAUS

- Fri. 1:40** Charlene Emerson  
Session 4; Room 307
- Fri. 2:00** Joseph Gonzales  
Session 1; Room 109
- Fri. 2:40** Lena Moua  
Session 6; Room 309
- Fri. 3:00** Steve Charbonneau  
Session 6; Room 309
- Fri. 3:20** Heather Contreras  
Session 6; Room 309
- Fri. 4:20** Lauren Hall and Vanessa Castro  
Session 2; Room 110
- Fri. 4:40** Rodolfo Lopez Jr., Josh Casara,  
Gregorio Franco Jr., and Steven Lee  
Session 9; Room 318
- Sat. 10:40** Michelle Kittel  
Session 16; Room 314
- Sat. 11:20** Kai Battenberg and Erika Todd  
Session 12; Room 210



# THE CALIFORNIA STATE UNIVERSITY SYSTEM

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The California State University is a leader in high-quality, accessible, student-focused higher education. With 23 campuses, almost 433,000 students, and 44,000 faculty and staff, we are the largest, the most diverse, and one of the most affordable university systems in the country. We offer unlimited opportunities to help students achieve their goals. We prepare graduates who go on to make a difference in the workforce. We engage in research and creative activities leading to scientific, technical, artistic and social advances. And we play a vital role in the growth and development of California's communities and economy.

## **CALIFORNIA STATE UNIVERSITY, BAKERSFIELD** (1965)

Since classes were first offered in 1970, two strong traditions have emerged at CSU Bakersfield: an extraordinary level of student-faculty interaction and a highly personalized learning atmosphere. The schools of Natural Sciences and Mathematics, Business and Public Administration, Social Sciences and Education, and Arts and Humanities offer 32 bachelor's and 18 master's degree programs, including accredited degree programs in business, public administration, social work, education, nursing, and clinical science. Its School of Business and Public Administration is accredited by AACSB and NASPAA, placing it in the top 20 percent of American business schools. Campus life is enhanced by more than 90 student clubs and organizations, CSUB's move to NCAA Division I, and the construction of a state-of-the-art, 75,000-square-foot Student Recreation Center.

9001 Stockdale Highway, Bakersfield, CA 93311-1099  
Dr. Horace Mitchell, President  
(661) 654.2781 • [www.csub.edu](http://www.csub.edu)

This campus is on the quarter system.

## **CALIFORNIA STATE UNIVERSITY, CHICO** (1887)

CSU Chico, the second oldest campus in the CSU, is one of the highest rated public universities in the West. It has excellent graduation and job placement rates and boasts a beautiful residential campus located in a college-town setting. Ninety percent of the students live within a one-mile radius. Many programs, including teacher education, nursing, and recreation administration are known for their innovation and outreach to the university's primary service area and beyond. A distance education trailblazer, CSU Chico was the first university in the world to offer a graduate degree via satellite. Students have won national awards in business, engineering, construction management, journalism, political science, and speech.

400 West First Street, Chico, CA 95929-0150  
Dr. Paul J. Zingg, President  
(530) 898.4630 • [www.csuchico.edu](http://www.csuchico.edu)

This campus is on the semester system.

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## **CALIFORNIA STATE UNIVERSITY, CHANNEL ISLANDS** (2002)

CSU Channel Islands, nestled in a picturesque setting five miles from the Pacific Ocean, is the newest CSU campus. With its student-centered focus, it has quickly become known for its high-quality interdisciplinary, multicultural, and international education. Undergraduate departments and teaching credential programs, as well as several master's degrees, offer a close-knit atmosphere in which students receive individual attention from caring and dedicated faculty and participate in research projects, curriculum development, and campus and community activities focusing on leadership, service, and personal and professional skills.

One University Drive, Camarillo, CA 93012  
Dr. Richard R. Rush, President  
(805) 437.8400 • [www.csuci.edu](http://www.csuci.edu)

This campus is on the semester system.

## **CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS (1960)**

CSU Dominguez Hills is one of the most ethnically-diverse universities in the nation with students reflecting the rich cultural heritage of the surrounding South Bay communities. CSU Dominguez Hills is a community-minded, urban university that prides itself on its personal service to students, many of whom are the first in their families to pursue a college degree. The university offers more than 40 undergraduate majors, 30 master's degrees, and numerous certificate and credential programs. Business administration, liberal studies and nursing are among the most popular majors, as are programs in psychology, sociology and biology. CSU Dominguez Hills is a leader in distance-learning initiatives providing nine baccalaureate and graduate degrees via interactive online classroom sessions for students worldwide. CSU Dominguez Hills hosts a wide array of cultural and entertainment programs including a full season of plays and concerts in the University Theatre, world-class exhibits in the University Art Gallery, and a variety of athletic events such as basketball, baseball, softball, and soccer, in addition to activities organized by dozens of student clubs and organizations. The campus recently celebrated the grand opening of the University Library's 140,000 sq. ft. south wing addition which features sweeping panoramic views spanning from Catalina Island to downtown Los Angeles. The new wing also features a vast collection of fine art, two additional galleries and state-of-the-art technology and facilities.

1000 East Victoria Street, Carson, CA 90747-0005  
Dr. Mildred García, President  
(310) 243.3696 • [www.csudh.edu](http://www.csudh.edu)

This campus is on the semester system.

## **CALIFORNIA STATE UNIVERSITY, EAST BAY (1957)**

Cal State East Bay serves the east side of San Francisco Bay with two scenic campuses, one in the Hayward Hills and the other in the Concord foothills, as well as a professional development center in downtown Oakland. With an enrollment of more than 13,000, the university attracts students from throughout the region and from more than 80 countries. Named a "Best in the West" college by The Princeton Review, Cal State East Bay offers more than 100 fields of study, award-winning curricula, small classes, expert faculty, and a fast, flexible quarter system. It confers bachelor's and master's degrees, as well as a new Ed.D. in educational leadership.

25800 Carlos Bee Boulevard, Hayward, CA 94542  
Dr. Mohammad Qayoumi, President  
(510) 885.3000 • [www.csueastbay.edu](http://www.csueastbay.edu)

This campus is on the quarter system.

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## **CALIFORNIA STATE UNIVERSITY, FRESNO (1911)**

Fresno State is the premier university serving Central California's diverse, growing population. Faculty and students work with community partners on research focused on key regional challenges: water development and conservation, air quality, crop development and child-obesity prevention. The campus is home to the nation's first university commercial winery, the Downing Planetarium, the ultra-modern Henry Madden Library and the Smittcamp Family Honors College, which admits 50 top high school graduates each year with full scholarships. Fresno State's beautifully landscaped academic campus (officially an arboretum since 1978) is near the Sierra Nevada mountains, just two hours' drive from Yosemite, Kings Canyon and Sequoia national parks.

5241 North Maple Avenue, Fresno, CA 93740  
Dr. John D. Welty, President  
(559) 278.4240 • [www.csufresno.edu](http://www.csufresno.edu)

This campus is on the semester system.

## **CALIFORNIA STATE UNIVERSITY, FULLERTON (1957)**

CSU Fullerton offers the advantages of a dynamic, metropolitan university and a comfortable small-college atmosphere. Students flourish in mentoring relationships with outstanding professors who take pride in shaping a successful learning experience, including numerous opportunities for undergraduate research, professional internships, and prestigious competitions in the performing arts. Future communications professionals can choose from hundreds of professional internships. With a vibrant, multicultural student population, Fullerton ranks fifth in the nation in awarding baccalaureate degrees to minority students. Fullerton is a top choice for future scientists, animation artists, educators, musicians, engineers, and also for studies in the humanities and behavioral and health sciences. Fifty-five undergraduate and 51 graduate degrees provide students the best of current practice, theory, and research and integrate professional studies with preparation in the arts and sciences.

800 N. State College Boulevard, Fullerton, CA 92834-9480  
Dr. Milton A. Gordon, President  
(657) 278.2011 • [www.fullerton.edu](http://www.fullerton.edu)

This campus is on the semester system.

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## **HUMBOLDT STATE UNIVERSITY (1913)**

Humboldt State University is a liberal arts and sciences university located on California's pristine north coast. HSU is distinguished by its emphasis on real-world learning. Opportunities abound for undergraduate fieldwork in both the natural and social sciences. The university is also well known for its small class sizes and its commitment to faculty-student mentoring. HSU is home to one of the strongest natural resource and environmental studies departments in the nation and is consistently ranked by national publications as among the top regional colleges.

One Harpst Street, Arcata, CA 95521-8299  
Dr. Rollin C. Richmond, President  
(707) 826.3011 • [www.humboldt.edu](http://www.humboldt.edu)

This campus is on the semester system.

## **CALIFORNIA STATE UNIVERSITY, LONG BEACH (1949)**

California State University, Long Beach (CSULB) is a diverse, student-centered, globally engaged university that provides highly valued degrees through superior teaching, research, scholarly and creative activity, and a commitment to service. Students can choose from 87 baccalaureate and 67 master's degrees, as well as a joint doctoral degree in engineering and industrial applied mathematics and an independent doctoral degree in educational leadership. CSULB has consistently been ranked one of the top five public comprehensive universities in the West by U.S. News and World Report in recognition of its high-quality education at an affordable cost.

1250 Bellflower Boulevard, Long Beach, CA 90840  
Dr. F. King Alexander, President  
(562) 985.4111 • [www.csulb.edu](http://www.csulb.edu)

This campus is on the semester system.

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## **CALIFORNIA STATE UNIVERSITY, LOS ANGELES (1947)**

California State University, Los Angeles is a distinguished comprehensive urban university with a long history of commitment to access and excellence. With a 175-acre hilltop campus just five miles from the civic and cultural center of Los Angeles, Cal State L.A. has been a leader in providing high-quality higher education since 1947, and now counts more than 205,000 alumni. Six colleges offer more than 60 nationally recognized graduate and undergraduate programs in the sciences, arts, business, criminal justice, engineering, nursing, education, and the humanities. The University has strong connections with the biotechnology and entertainment industries, and provides an extensive array of involvement and enrichment opportunities through service learning and collaborations between students and faculty.

5151 State University Drive, Los Angeles, CA 90032  
Dr. James M. Rosser, President  
(323) 343.3000 • [www.calstatela.edu](http://www.calstatela.edu)

This campus is on the quarter system.

## **CALIFORNIA MARITIME ACADEMY (1929)**

The California Maritime Academy, which joined the CSU in 1995, is one of only seven degree-granting maritime academies in the U.S. and the only one on the West Coast. Its 4,200 graduated cadets include the first woman to captain a commercial vessel. Cal Maritime graduates enjoy a very high job placement rate, thanks to a unique experiential learning curriculum that includes at least one international training cruise. Located in Vallejo, on the shore of San Pablo Bay, Cal Maritime offers accredited degrees in business administration, marine transportation, facilities engineering technology, maritime policy and management, marine engineering technology, and mechanical engineering. A program of intellectual learning, applied technology, global awareness, and leadership development prepares graduates for positions of responsibility in the areas of maritime, business, logistics, intermodal transportation, and engineering.

200 Maritime Academy Drive, Vallejo, CA 94590  
Dr. William B. Eisenhardt, President  
(707) 654.1000 • [www.csum.edu](http://www.csum.edu)

This campus is on the semester system.

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## **CALIFORNIA STATE UNIVERSITY, MONTEREY BAY (1994)**

CSU Monterey Bay is nationally recognized for its students' examination of issues of justice, diversity, and social responsibility through service learning and individualized study supported by sophisticated technologies. Nestled between the rich ecosystems of the Monterey Bay and the Salinas Valley, CSUMB is one of the few truly residential campuses in the CSU system with more than half of its students living on campus in affordable, spacious residence halls and student apartments. Drawing on the site's rich history of public service as the former Fort Ord Army base, CSUMB is home to the Leon & Sylvia Panetta Institute for Public Policy, created to help the nation meet the challenges of the twenty-first century by providing study opportunities in government, politics and public policy.

100 Campus Center, Seaside, CA 93955-8001  
Dr. Dianne F. Harrison, President  
(831) 582.3330 • [www.csumb.edu](http://www.csumb.edu)

This campus is on the semester system.

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## **CALIFORNIA STATE UNIVERSITY, NORTHRIDGE (1958)**

Cal State Northridge is the intellectual, economic, and cultural heart of the San Fernando Valley. One of the state's largest universities, "CSUN" each year educates over 33,000 students and produces 6,000 highly skilled graduates. The university's academic offerings, spread among 66 bachelor's and 53 master's degrees, include teacher preparation and undergraduate engineering programs ranked among the nation's best. The university also hosts a new, on-campus "learning laboratory" high school; a unique aquatic therapy center; and exceptional programs in the performing arts, sciences, and ethnic studies. Northridge is a culturally and ethnically diverse university focused on student-centered learning and success. Its 350-acre campus in a suburban setting was severely damaged by an earthquake in 1994, but it has been completely rebuilt; the university now boasts the newest facilities of any large university in California. Students enjoy a wide range of support services and extracurricular activities, including more than 200 clubs and organizations.

18111 Nordhoff Street, Northridge, CA 91330  
Dr. Jolene Koester, President  
(818) 677.1200 • [www.csun.edu](http://www.csun.edu)

This campus is on the semester system.

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## **CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA (1938)**

Cal Poly Pomona is internationally recognized for its outstanding academic programs, including offerings in hospitality management, architecture, and engineering. One of only six polytechnic universities in the United States, Cal Poly Pomona champions an approach that places learning-by-doing at the center of every program, course, and activity. Millions of dollars in grants are helping the university make a difference in its surrounding and academic communities, from advancing agricultural practice to improving teacher training. Additionally, U.S. News & World Report ranks Cal Poly Pomona as the fourth most ethnically diverse master's level university in the West.

3801 W. Temple Avenue, Pomona, CA 91768  
Dr. J. Michael Ortiz, President  
(909) 869.7659 • [www.csupomona.edu](http://www.csupomona.edu)

This campus is on the quarter system.

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## **CALIFORNIA STATE UNIVERSITY, SACRAMENTO** (1947)

Sacramento State offers a life-changing opportunity for students, preparing them to be leaders in their fields and communities. Students benefit from strong academic programs, as well as unique opportunities to study public policy and pursue careers in public service in California's capital city. High-quality teaching in small classes is a top priority. In addition, Sacramento State students can enhance their career preparation through extensive cooperative education, internship, and service-learning programs.

6000 J Street, Sacramento, CA 95819  
Dr. Alexander Gonzalez, President  
(916) 278.6011 • [www.csus.edu](http://www.csus.edu)

This campus is on the semester system.

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## **CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO** (1960)

Cal State San Bernardino, at the foot of the San Bernardino Mountains, was named by students as the most beautiful campus in the CSU system. Serving the Inland Empire region, its nationally accredited College of Business and Public Administration offers an M.B.A. tailored for executives. In addition, the university has a nationally acclaimed writing program and highly respected offerings in computer science, geographic information and decision sciences, psychology, public health administration, and accounting and finance. The university has a leading state-accredited teacher preparation program that is one of the nation's largest. Courses are also offered at off-campus locations, including a permanent satellite campus in Palm Desert.

5500 University Parkway, San Bernardino, CA 92407-2397  
Dr. Albert K. Karnig, President  
(909) 537.5000 • [www.csusb.edu](http://www.csusb.edu)

This campus is on the quarter system.

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## **SAN DIEGO STATE UNIVERSITY** (1897)

San Diego State University is the oldest and largest higher education institution in the San Diego region. Since it was founded in 1897, the university has grown to offer bachelor's degrees in 81 areas, master's degrees in 76, and doctorates in 22 disciplines. SDSU's 34,000 students participate in an academic curriculum distinguished by direct contact with faculty and an increasing international emphasis that prepares them for a global future. SDSU is designated by the Carnegie Foundation as a research university with high research activity and is ranked among the top 100 public universities in research support, with \$151 million in 2009-10. For more information, visit [www.sdsu.edu](http://www.sdsu.edu).

5500 Campanile Drive, San Diego, CA 92182  
Dr. Stephen L. Weber, President  
(619) 594.5200 • [www.sdsu.edu](http://www.sdsu.edu)

This campus is on the semester system.

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## **SAN FRANCISCO STATE UNIVERSITY** (1899)

San Francisco State University, located in one of the world's most vibrant, beautiful, and recognized cities, is a center of cultural innovation, civic community engagement, and scholarly inquiry. The campus leads the nation among comprehensive universities for the number of international students enrolled, and it leads the CSU in the number of students participating in study-abroad programs. In addition to studying other cultures abroad, SF State prepares students to navigate successfully in an increasingly global society at home, providing opportunities to engage in industry, science, business, technology, and the arts from new perspectives. With 113 undergraduate programs, 95 graduate programs, and 27 post-baccalaureate credential programs, SF State also offers three joint doctoral programs with the University of California and began its first independent Ed.D. in Educational Leadership in the Fall 2007. SF State offers programs of study that reflect contemporary scholarly standards within the disciplines and that address regional needs for advanced-level professionals in the fields of business, science, health, social services, and education, among others.

1600 Holloway Avenue, San Francisco, CA 94132  
Dr. Robert A. Corrigan, President  
(415) 338.1111 • [www.sfsu.edu](http://www.sfsu.edu)

This campus is on the semester system.

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## **SAN JOSÉ STATE UNIVERSITY** (1857)

San José State University (SJSU) is a metropolitan university offering more than 134 bachelor's and master's degrees with 110 concentrations. Quality teaching and small classes are a priority at SJSU, where tenured professors teach introductory as well as advanced courses. One of the 200 top research universities in the nation, SJSU offers rigorous course work and research opportunities to more than 30,000 undergraduate and graduate students in seven colleges. SJSU is in a fabulous location—in the heart of a dynamic city and in the world marketplace of Silicon Valley. Area firms and agencies regularly seek SJSU students for internships, summer work programs, and assistance with research projects. SJSU sends 6,000 well prepared graduates into this region every year, more than any other Bay Area school.

One Washington Square, San Jose, CA 95192-0001  
Dr. Don Kassing, Interim President  
(408) 924.1000 • [www.sjsu.edu](http://www.sjsu.edu)

This campus is on the semester system.

## **CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO** (1901)

Cal Poly San Luis Obispo is recognized by peer institutions and by U.S. News & World Report as one of the nation's finest public, primarily undergraduate institutions. The university is particularly well known for its outstanding programs in engineering, architecture, and agriculture. With over 6,000 acres, the campus is one of the largest in the nation and accommodates a working vineyard among other agricultural operations. With the recent completion of Poly Canyon Village, a spectacular sustainable living environment with a host of amenities, the primarily residential campus houses more than 5,500 students. Cal Poly's "learn-by-doing" philosophy permeates teaching, learning, and living as a campus community. Over 100,000 alumni and students have benefited from the Cal Poly advantage and have contributed to the state's and the nation's intellectual and economic engines. Among its prominent alumni are Robert "Hoot" Gibson, five-time NASA astronaut, and Al Smith, founder of the Orchard Supply Hardware chain.

One Grand Avenue, San Luis Obispo, CA 93407  
Dr. Jeffrey D. Armstrong, President  
(805) 756.1111 • [www.calpoly.edu](http://www.calpoly.edu)

This campus is on the quarter system.

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## **CALIFORNIA STATE UNIVERSITY, SAN MARCOS** (1989)

Celebrating two decades of service, CSUSM is a pioneer in providing broad access to quality instruction and a trail-blazer in hands-on education relevant to today's global and technology-rich society. The campus is nationally recognized as a model of public accountability, institutional innovation and community engagement. CSUSM builds regional alliances that foster economic, social, and cultural development while inspiring students to be exceptional. Faculty engages in the latest research and other creative activities. Graduates are prepared to lead and compete in the digital age.

333 S. Twin Oaks Valley Road, San Marcos, CA 92096-0001  
Dr. Karen S. Haynes, President  
(760) 750.4000 • [www.csusm.edu](http://www.csusm.edu)

This campus is on the semester system.

## SONOMA STATE UNIVERSITY (1960)

Sonoma State University, founded as a teacher education center for the North Bay, is now a liberal arts and sciences university that provides high-quality undergraduate education and selected professional graduate programs. Dedicated to the liberal arts and sciences and known for its active use of technology, the Sonoma State educational experience fosters intellectual, cognitive, social, and personal growth. The university's faculty and staff provide close mentoring relationships and an education that fosters ethical exploration, civic engagement, social responsibility, and global awareness combined with a solid foundation in an academic discipline.

1801 East Cotati Avenue, Rohnert Park, CA 94928-3609  
Dr. Ruben Armiñana, President  
(707) 664.2880 • [www.sonoma.edu](http://www.sonoma.edu)

This campus is on the semester system.

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## CALIFORNIA STATE UNIVERSITY, STANISLAUS (1957)

CSU Stanislaus, with top programs in the arts, letters, sciences, teacher education, and business, serves a diverse student body in one of the fastest growing regions in the country, the San Joaquin Valley. The University offers over 100 majors, minors, concentrations and teaching credentials, 24 master's degree programs and six graduate certificate programs as well as an Executive MBA and a doctoral degree program in Educational Leadership. Partnership programs in nursing, business, and agriculture help meet regional workforce needs. Its Endangered Species Recovery Program, unique in the CSU, teams university faculty and staff with state and federal agency experts to restore plant and animal life in the region.

One University Circle, Turlock, CA 95382-0299  
Dr. Hamid Shirvani, President  
(209) 667.3122 • [www.csustan.edu](http://www.csustan.edu)

This campus is on the semester system.



# ACKNOWLEDGEMENTS

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We would like to acknowledge and thank Lockheed Martin for sponsoring the awards for the Engineering and Computer Science and Physical and Mathematical Sciences sessions.

This event would not have been possible without the assistance of many faculty, staff and students across campus. We would especially like to thank the Office of the President; Office of the Provost and Division of Academic Affairs; Christine Thibodeaux and staff of the College of Science and Mathematics; Millicent Byers and the McNair Program; Associated Students, Inc; Office of University Communications; Traffic and Parking Services; University Catering Services; and Procurement Contract and Support Services.

Special thanks go to Philip LaPolt and Ellen Stein from California State University, Los Angeles and Pamela Stacks and staff from San Jose State University; and Elizabeth (Beth) Ambos and Ana Aguirre from the Assistant Vice Chancellor's Office for Research Initiative and Partnerships for their assistance with the coordination of this event.

**Thomas McClanahan, Ph.D.**  
**Associate Vice President for Research and Sponsored Programs**  
**Campus Coordinator, 2011 CSU Student Research Competition**