Graduate Research & Creative Works Showcase
Presented by the Division of Graduate Studies

April 30, 2015
29th Annual California State University Research Competition

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29th Annual California State University Research Competition
Campuswide Winners of the CSU Student Research Competition

Michael Duffield
Engineering
Behavior of a Five-Story Moment-Resisting Steel Framed Structure Subjected to Elevated Temperatures
Faculty Mentor: Cheng Chen
Graduate Student

Joshua Freimark
Museum Studies
Use of Integrated Pest Management in the Small to Midsize Museum of the 21st Century
Faculty Mentor: Edward Luby
Graduate Student

Eduardo Gonzalez
Political Science and International Relations
Contextualizing Conflicts: Anti-AKP Protests in Modern Turkey
Faculty Mentor: Burcu Ellis
Undergraduate Student

Torey Jacques
Biology
Epothilone B and Paclitaxel Display Synthetic Lethal Interactions with SAC Compromised Cells within the D. Melanogaster Compound Eye
Faculty Mentor: Blake Riggs
Undergraduate Student

Christine Rapadas Jimenez
Psychology (Mind, Brain, & Behavior)
The Neural Correlates of Music-Evoked Autobiographical Memories
Faculty Mentor: Mark Geisler
Graduate Student

Jessica Kwan
Biology
Comparison of Ixodes pacificus Tick Life Stages and their Microbiome Diversity in Relation to Borrelia burgdorferi Infection
Faculty Mentor: Andrea Swei
Graduate Student

Trevor Myers
Industrial Design
Improving the Eye Drop Experience
Faculty Mentor: Hsiao-Yun Chu
Graduate Student

Melanie Nuni
Public Administration
A Crime Prevention Strategy that Works: Association between Oakland Security Ambassador Program and Crime
Faculty Mentor: Sheldon Gen
Graduate Student

Taylor Valentino
Kinesiology
The Influence of Hydration on Thermoregulation during a 161km Ultramarathon
Faculty Mentor: Marialice Kern
Graduate Student

Ellen Young
Biology
Investigating Student Talk in University Biology Classrooms
Faculty Mentor: Kimberly Tanner
Graduate Student
**College of Business**

**Economics**

Norman Lo  
*Informational Policy Improve Consumers' Choice for Healthier Food*  
Faculty Mentor: Anoshua Chaudhuri

**College of Education**

**Communicative Disorders**

Timothy Kahn  
*The effectiveness of electropalatography as a clinical therapy tool*  
Faculty Mentor: Laura Epstein  
Other Presenter: Stevy Shadwick

Tim Runyon  
*Function of Laughter from a Student with Autism*  
Faculty Mentor: Betty Yu

Stevy Shadwick  
*The Effectiveness of Electropalatography as an Alternative Therapy Tool*  
Faculty Mentor: Laura Epstein  
Other Presenter: Timothy Kahn

Kiiya Shibata  
*Navigating Bicultural and Bilingual Identity Issues in Accent Modification: Perspectives from Japanese-Accented English Speakers*  
Faculty Mentor: Betty Yu

Sylvia Soule  
*Autism, Play, and Language Output*  
Faculty Mentor: Betty Yu

Stephanie Tran  
*Heritage Language Maintenance of a Child with Autism Spectrum Disorders: A Parent's Perspective*  
Faculty Mentor: Betty Yu

**Early Childhood Education**

Christine Sarigianis  
*The Joys and Benefits of Experimenting with Paint: Abstract Art in a Chinese Preschool*  
Faculty Member: Mina Kim  
Other Presenter: Mina Kim
Equity, Leadership Studies, and Instructional Technologies

Arwa Alghamdi
The E-book of Arabic Calligraphy
Faculty Mentor: Zahira Merchant

Jacob Aringo
It's Game Time: Finding The Motivation to Learn
Game Design
Faculty Mentor: Zahira Merchant

Nadine Sexton
Online Adaptive Assessment Learning Program
Addressing Multi-Cultural and Racial Biases
Faculty Mentor: Patricia Donohue

Special Education

Jerred Jolin
Using Comics To Measure Social Evaluative Reasoning in the Workplace: Instrument Calibration using a Rasch Modeling Approach
Faculty Mentor: Pamela Wolfberg

Seth Miller
Stakeholder Perceptions of E/BD Services
Faculty Mentor: Susan Courey

College of Ethnic Studies

Ethnic Studies

Heather Porter Abu Deiab
The Orientalist Gaze: Impacts on Islamophobic Surveillance Projects in the United States
Faculty Mentor: Rabab Abdulhadi
## College of Health & Social Sciences

### Consumer and Family Studies/Dietetics

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Project Title</th>
<th>Faculty Mentor</th>
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</thead>
<tbody>
<tr>
<td>Rebecca Cahua</td>
<td><strong>Designing A Difference: Social Advancement in Apparel Training and Contractor</strong></td>
<td>Connie Ulasewicz</td>
</tr>
<tr>
<td>Alicia Connor</td>
<td><strong>Women’s Perceived Support Compared with Weight Loss Behavior Changes</strong></td>
<td>Gretchen George</td>
</tr>
<tr>
<td>Elena Geels</td>
<td><strong>Childhood Obesity: Parental Self-Efficacy and Perceived Barriers for Fruit and Vegetable Consumption</strong></td>
<td>Sarah Josef</td>
</tr>
<tr>
<td>Kate Haisch</td>
<td><strong>Effects of Harvest of the Month Curriculum on Mediators of Children’s Vegetable Intake</strong></td>
<td>Gretchen George</td>
</tr>
<tr>
<td>Christine Kastanos</td>
<td><strong>Communication Related to Preproduction Processes for Large and Small Apparel Businesses</strong></td>
<td>Kelly Reddy-Best</td>
</tr>
<tr>
<td>Bethany Pianca</td>
<td><strong>Case Study: Nutrition Support in Patients with Cerebrovascular Accident</strong></td>
<td>Gretchen George</td>
</tr>
<tr>
<td>Ghazaleh Tabrizi</td>
<td><strong>The Relation Between Fruit and Vegetable Intake and BMI Among SFSU Students</strong></td>
<td>Gretchen George</td>
</tr>
</tbody>
</table>

### Counseling

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Project Title</th>
<th>Faculty Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revae Hitt</td>
<td><strong>Career Counseling with Transgender Clients: Cultivating Resilience</strong></td>
<td>Alison Cerezo</td>
</tr>
<tr>
<td>Jessica Li</td>
<td><strong>Bronfenbrenner’s Ecological Model &amp; Strengths-Based Practice: Recommendations for Women Entering Science, Technology, Engineering, &amp; Math (STEM) Sector</strong></td>
<td>Rebecca Toporek</td>
</tr>
</tbody>
</table>

### Gerontology

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Project Title</th>
<th>Faculty Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sumiyo Brennan</td>
<td><strong>Impact of Life Enrichment Services on Quality of Life: A Cross-Cultural Study</strong></td>
<td>Darlene Yee-Melichar</td>
</tr>
<tr>
<td>Daniel Keith</td>
<td><strong>A Needs Assessment for an Innovative Assisted Living Community in San Francisco</strong></td>
<td>Brian DeVries</td>
</tr>
</tbody>
</table>
### Gerontology (continued)

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Faculty Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Siobhan Rhea Surraco</td>
<td>Care Coordination for Older Adults in a Continued Care Retirement Community (CCRC): Quality and Scope of Services</td>
<td>Darlene Yee-Melichar</td>
</tr>
<tr>
<td>Bethelyn Otte</td>
<td>Aging-in-Place with Home Modifications</td>
<td>Darlene Yee-Melichar</td>
</tr>
<tr>
<td>Katelyn Goodman</td>
<td>Successful Transition: From Home to Assisted Living</td>
<td>Darlene Yee-Melichar</td>
</tr>
<tr>
<td>Matthew Rodgers</td>
<td>Creative Health</td>
<td>Darlene Yee-Melichar</td>
</tr>
</tbody>
</table>

### Health Education

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Faculty Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angelica Cardenas</td>
<td>Diversity in the Primary Care Physician Workforce</td>
<td>Vivian Chavez</td>
</tr>
<tr>
<td>Nancy Carmona</td>
<td>Historical Construction of Occupational Health Disparities Among San Francisco Female Firefighters</td>
<td>Juliana van Olphen</td>
</tr>
<tr>
<td>Corey Drew</td>
<td>Criminalizing Homelessness</td>
<td>Lisa Moore</td>
</tr>
<tr>
<td>Maiya Evans</td>
<td></td>
<td>Juliana van Olphen</td>
</tr>
<tr>
<td>Jesus Gaeta</td>
<td>Lost Opportunities: Rejection of Queer Latino Male Youth from their Families</td>
<td>Mary Beth Love</td>
</tr>
<tr>
<td>Monique Hosein</td>
<td>Nation Time: Institutional Racism and Police Killings of Unarmed Black People</td>
<td>Jessica Wolin</td>
</tr>
<tr>
<td>Cameron Kephart</td>
<td>&quot;Stop Thief! Don't Steal my Grief!&quot;</td>
<td>Jose Ramon Fernandez Pena</td>
</tr>
<tr>
<td>Devayani Kunjir</td>
<td>A review of Community Food Security</td>
<td>Emma Sanchez</td>
</tr>
</tbody>
</table>
Heidi Lucas  
HIDDEN BRUISES: The Effects of Violence on Mental Health  
Faculty Mentor: Jose Ramon Fernandez Pena

Carlos Martinez  
The Young Lords & New York’s Radical Health Movement: Towards a Broader History of Health Social Movements  
Faculty Mentor: Rama Kased

Maritza Pulido  
Equitable Outreach and Recruitment: The Metro College Success Program Mode  
Faculty Mentor: Savita Malik

Malia Schlaefer  
Infusing Sex Worker Voice  
Faculty Mentor: Lisa Moore

Sophia Simon-Ortiz  
U.S. Militarism and Its Impacts on Public Health: Consequences Today and Possibilities for the Future  
Faculty Mentor: Laura Mamo

C. Tijen Sumbul  
Resilience, Trauma, and Mental Distress vs. Disease  
Faculty Mentor: Laura Mamo

Sahana Vasanth  
Cultural Humility in the Health Services  
Faculty Mentor: Emma Sanchez

Filmer Yu  
Obesity Stigma in Healthcare Settings: Treating the Real Disease  
Faculty Mentor: Richard Harvey

Gina Malan  
Beyond Displacement: Latino Elders in Place and Displaced in San Francisco  
Faculty Mentor: Judith Ottoson

Amy Preut  
Critical Analysis of Online Education and Capacity for Community Building  
Faculty Mentor: Marty Martinson

Eloyesia Ratliff  
Septicemia disparity among African Americans  
Faculty Mentor: Laura Mamo

Chris Schouest  
Positive Health Behavior Change  
Faculty Mentor: Richard Harvey

David Stipplebeen  
Unboxing Mixed Race: A Political Economy Analysis of Multiracial Health Knowledge Production  
Faculty Mentor: Michele Eliason

Lana Tilley  
Disabling Constructions of Mental Health in the Workplace  
Faculty Mentor: Sarah Wongking

Jasmine Vassar  
Black Students Matter  
Faculty Mentor: Vivian Chavez
# Kinesiology

**Rebecca Parks**  
*The Relationship Between Athletic Identity, Coping, and Mood State Among Injured Runners*  
Faculty Mentor: Mi-Sook Kim

**Robert Magbanua**  
*Moral Behavior in Youth Sport: The Role of Team Climate and Motivation*  
Faculty Mentor: Diane Allen

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# Nursing

**Erin Fowler**  
*Depression Screening for Geriatric Heart Failure Patients*  
Faculty Mentor: Fang-Yu Chou

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# Physical Therapy

**Jason Gee**  
*Effects of Balance-Based Torso Weighting on Muscle Activation*  
Faculty Mentor: Diane Allen  
Other Presenter: Anthony Harrell and Diane Allen

**Sarah Whiteford**  
*The Effects of Balanced Based Torso Weighting on Balance and Mobility*  
Faculty Mentor: Diane Allen  
Other Presenter: Nicole Conley

---

**Valerie Block**  
*Do Physical Therapy Interventions Affect Functional Incontinence and Quality of Life in People with Multiple Sclerosis? An Evidence-based Review*  
Faculty Mentor: Diane Allen

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# Public Administration

**Danelle Carey**  
*Motivators of Self Identification for Biracial Adolescents*  
Faculty Mentor: Genie Stowers
### Recreation, Parks, & Tourism

**Lauren Jackowitz**  
*Understanding Coastal Tourists’ Behavioral Intention Toward Nature-based Experiences*  
Faculty Mentor: Pavlina Latkova

### Sexuality Studies

**Allan Avila**  
*Child and Adolescent Pregnancy in Rural Guatemala: An Ethnography*  
Faculty Mentor: Rita Melendez

**Melinda Cordasco**  
*Courts' Response to Rape Victims - It's All for Show*  
Faculty Mentor: Clare Sears

**Carolyn Leach**  
*Engendering Support and Redefining Transgender Youth*  
Faculty Mentor: Rita Melendez

**Meghan Smith**  
*Tennessee's Gateway Sexual Activity Act: Life Beyond the Gate*  
Faculty Mentor: Jessica Fields

### Social Work

**Du Tran**  
*Cultural Perspectives and Help-Seeking Behaviors on Elder Mistreatment Among Chinese Immigrant Families*  
Faculty Mentor: Jocelyn Hermoso  
Other Presenter: Xiu Wen Liu

**Kirsten Irgens-Moller**  
*Families, Music and Memory*  
Faculty Mentor: Jocelyn Hermoso

### College of Liberal & Creative Arts

### Anthropology

**Koji Ozawa**  
*Archaeology of Gardens in Japanese-American Incarceration Camps*  
Faculty Mentor: Doug Bailey
Art

Bronwyn Dexter
SFSU Creative Writing/Printmaking Collaboration
Faculty Mentors: Susan Belau and Mario Laplante
Other Presenter: Patsy Creedy, MFA in Creative Writing

Broadcast and Electronic Communication Arts

Philippe Morel
Before it's Chocolate: The Forest and Ghana's Cocoa
Faculty Mentor: Nancy Reist

Cinema

Glenn Aquino
Orosi, CA
Faculty Mentor: Greta Snider

Communication Studies

Stephanie Jacobs
Personal Narratives and The Real Housewives: A Critical Excavation of Viewing Relationships
Faculty Mentors: Amy Kilgard and Karen Lovaas

Drama

Austin Edgington
The Birth of Biomechanics for the Actor
Faculty Mentor: Joel Schechter

Liatile Mohale
Humanism in Crisis through the play THE MEMORANDUM by Vaclav Havel
Faculty Mentor: Joel Schechter
# Drama (Continued)

**Maureen Obadha**  
*Ngaahika Ndeenda and the Warriors of Kamũũthũ Community Theatre*  
Faculty Mentor: Joel Schechter

**Anne Potter**  
*Political and Theatrical Revolutions: A Political Reading of Victor Hugo’s Hernani*  
Faculty Mentor: Joel Schechter

**Murray Smith**  
*Orton’s Bacchai the Erpingham Camp. Joe Orton’s Theatre In London’s Swinging 60’s*  
Faculty Mentor: Joel Schechter

**Ana Marie Zipagan**  
*Is the Personal Political for Aristophanes and Euripides? An Exploration of the Women in Their Plays*  
Faculty Mentor: Joel Schechter

# English

**Lindsey Sivaslian**  
*Two Heads Are Better Than One: A Collaborative Approach to Teaching Peer Feedback to Lower-level ESL Composition Students*  
Faculty Mentor: David Olsher

**Jackson Yan**  
*Student placement in first year Composition: Ethics of a standardized placement test*  
Faculty Mentor: Mark Roberge

# Foreign Languages and Literature

**Mika Sawada**  
*The Use Of Female Sentence-Final Particles In Japanese Tv Dramas*  
Faculty Mentor: Masahiko Minami

**Arisa Hiroi**  
*Socioeconomic/Cultural Factors and Parental Attitudes Toward Bilingual Education*  
Faculty Mentor: Masahiko Minami

# Museum Studies

**Rebecca Drudge**  
*Past Forward: Posthumous Photographs, Museums, and the Digital Age*  
Faculty Mentor: Edward Luby

**Alyson Ferrari**  
*Developing Audiences: Programs for Individuals with Disabilities in Children’s Museums*  
Faculty Mentor: Edward Luby

**Veena Vijayakumar**  
*STEAM-powered: Integrating the Arts and Sciences into Museum Educational Practices*  
Faculty Mentor: Edward Luby
### Music

<table>
<thead>
<tr>
<th>Lars Rosager</th>
<th>Freya Seeburger</th>
</tr>
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<tbody>
<tr>
<td>The Versatility of the Baroque Guitar</td>
<td>The End of Time</td>
</tr>
<tr>
<td>Faculty Mentor: Dean Suzuki</td>
<td>Faculty Mentor: Cyrus Gunwale</td>
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### Philosophy

<table>
<thead>
<tr>
<th>Kathleen O'Neal</th>
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<tr>
<td>Sister To Cister: Reconciling Respect for Transgender Rights and Identities with a Feminist Commitment to Gender Abolitionism</td>
</tr>
<tr>
<td>Faculty Mentor: Justin Tiwald</td>
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</tbody>
</table>

### Political Science

<table>
<thead>
<tr>
<th>Simone Radliff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education for Political Empowerment: The effect of collective-efficacy developing curriculum and experiences in high school civics courses on political engagement</td>
</tr>
</tbody>
</table>

### Theatre Arts (Design)

<table>
<thead>
<tr>
<th>Bernadette Flynn</th>
<th>Lynn Grant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scale Model and Inspiration for the design of Molière's The Learned Ladies performed at SFSU 2015</td>
<td>Modernity and the Toy Theater: An Art Form Born of the Industrial Revolution</td>
</tr>
<tr>
<td>Faculty Mentor: John Wilson</td>
<td>Faculty Mentor: John Wilson</td>
</tr>
</tbody>
</table>

### Women and Gender Studies

<table>
<thead>
<tr>
<th>Donna Arkee</th>
<th>Catherine Murphy</th>
</tr>
</thead>
<tbody>
<tr>
<td>An Imagined Population: The Racialized Erasure of Riverside, California’s Chinese Community in the Late 19th and Early 20th Centuries</td>
<td>Men, Monsters, and Aliens: Exploring Disabled Masculinities in Televised Speculative Fiction</td>
</tr>
<tr>
<td>Faculty Mentor: Deborah Cohler</td>
<td>Faculty Mentor: Julietta Hua</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Carly Toepfer</th>
<th>Alison Veith</th>
</tr>
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<tbody>
<tr>
<td>&quot;Kid Power!&quot; The Subversive Agency of Children in Adult Animated Sitcoms</td>
<td>&quot;Don't Be Evil&quot;: Google's Labor Practices and the Limits of Corporate Good</td>
</tr>
<tr>
<td>Faculty Mentor: Evren Savci</td>
<td>Faculty Mentor: Kasturi Ray</td>
</tr>
</tbody>
</table>
Biology

Dulguun Bayardorj
Novel Anti-Apoptotic Treatment After a Heart Attack
Faculty Mentor: Carmen Domingo

Alicia Bird
Influence of host phylogeny and environment on the microbiome of terrestrial salamanders
Faculty Mentors: Andrew Zink and Vance Vredenburg

Erika Bueno
The effects of the parasitic fly Apocephalus borealis on honey bee behavior
Faculty Mentor: Chris Moffatt

Emily Chang
Alternative Translation Start Sites in the yeast Saccharomyces cerevisiae
Faculty Mentor: Scott Roy

Betsabel Chicana Romero
Comparison of Borrelia burgdorferi strains and their pathogenicity using whole transcriptome analysis
Faculty Mentor: Andrea Swei

Mae Cowgill
Investigating Disease Dynamics in two Co-occurring Terrestrial Salamanders
Faculty Mentor: Andrew Zink and Vance Vredenburg

Sean Edgerton
Dengue virus type 3 evolution and epidemic activity in Indonesia: historical study of outbreaks from 1976-1979
Faculty Mentor: Shannon Bennett

Silas Ellison
Disease and the skin microbiome of an endangered frog, Rana sierra
Faculty Mentor: Vance Vredenburg

Dena Emmerson
Singing a Different Tune: The Effects of Avian Blood Parasites on Song in Nuttall's White-crowned Sparrows (Zonotrichia leucophrys nuttalli)
Faculty Mentor: Ravinder Sehgal

Cameron Everson
Ancestral Origins of Genes Containing U12 Type Introns
Faculty Mentor: Scott Roy

Ngoc Hoang
Identification of Potential Cancer Stem Cell Population in Mouse Lung Squamous Cell Carcinoma
Faculty Mentor: Lily Chen

Torey Jacques
Epothilone B and paclitaxel display synthetic lethal interactions with SAC compromised cells within the D. Melanogaster compound eye.
Faculty Mentor: Blake Riggs

Beatriz Kowalski
Evaluating the dnd Gene Cluster Involvement in the Pathogenesis of Phosphorothioate Salmonella
Faculty Mentor: Lily Chen

Graham Larue
The origin and evolution of minor spliceosomal introns
Faculty Mentor: Scott Roy
Biology (continued)

Calvin Lee
*Immunogenetic variation in X-cell tumor diseased fish across an estuarine gradient of contaminants*
Faculty Mentor: Sarah Cohen

Laura Melroy
*Delineating species boundaries in space and time for direct-developing sea stars in the Leptasterias genus*
Faculty Mentor: Sarah Cohen

Oliver Oliverio
*Lasers, arrays and informatic approaches for studying the human placenta*
Faculty Mentor: Carmen Domingo

Kendra Ritchie
*Social Behavior and Batrachochytrium dendrobatidis (Bd): A dangerous dynamic for Batrachoseps salamanders*
Faculty Mentor: Andrew Zink

Cameron Soulette
*comparative genomics sheds light on the mystery of trans-splicing*
Faculty Mentor: Scott Roy

Chemistry

Abriti Sharma
*Engineerig Trypsin for Developement of Inhibitor Resistance*
Faculty Mentor: Teaster Baird
Darya Almasi
Enhancing Hardware Security using Spin Transfer Torque logic
Faculty Mentor: Hamid Mahmoodi

Neli Avramova
Application of model accuracy indicator to model updating with constrained unscented kalman filter
Faculty Mentor: Cheng Chen

Ramin Barghi
Evaluation of Maximum Likelihood Method for Fragility Curve Estimation of Code-Designed Steel Plate Shear Walls
Faculty Mentor: Cheng Chen

Elisabeth Droenen
Incremental Dynamic Analysis
Faculty Mentor: Cheng Chen

Ly Lam
Time Delay for
Faculty Mentor: Cheng Chen

Ravi Teja Mamidipaka
Wireless Autonomous Car
Faculty Mentor: Xiaorong Zhang

Hagar Negash
Fragility Functions of Steel Plate Shear Wall Using Multiple Stripes Analysis
Faculty Mentor: Cheng Chen

Alex vijay raj Amalaraj
Real-time Hand Gesture Recognition using sEMG and Accelerometer for gesture-speech conversion
Faculty Mentor: Xiaorong Zhang

Joshua Barbosa
Collapse analysis of steel moment resisting frame with and without viscous dampers
Faculty Mentor: Cheng Chen
Other Presenter: Debra Zepeda

Khalil Dabeet
Reusing steel members
Faculty Mentor: Cheng Chen

Ragh Kuttappa
Reliability Analysis of Spin Transfer Torque based Look up Tables under Process Variations and NBTI Aging
Faculty Mentor: Hamid Mahmoodi
Other Presenter: Asaf Weinbery

Mehrdad Mahdavi
Low Power ASIC Implementation of Gabor Filter for Edge Detection in Image Processing
Faculty Mentor: Hamid Mahmoodi
Other Presenter: Shivanand Aratal

Ashok Mushannavar
Carbon Monoxide sensing using mobile devices
Faculty Mentor: Hamid Mahmoodi
Other Presenter: Shivanand Aratal

Samuel Richardson
Frequency Domain Analysis of Real-time Hybrid Simulation
Faculty Mentor: Cheng Chen
Engineering (continued)

Sarah Shamsi  
_Stutter Controlling Device_  
Faculty Mentor: Xiaorong Zhang

Debra Zepeda  
_Seismic Performance of Moment Resisting Frames with Varying Fluid Viscous Dampers_  
Faculty Mentor: Cheng Chen  
Other Presenter: Joshua Barbosa

Weijie Zhu  
_Circuits for the Brain-Machine Interface in a Neuromorphic Systems_  
Faculty Mentor: Hao Jiang  
Other Presenters: Kang Jun Bai, Shi Jie Chen

Geography

Suzanne Maher  
_Bio-hydro-micrometeorology of a Sierra Nevada montane meadow_  
Faculty Mentors: Andrew Oliphant and Jerry Davis

Geosciences

Omid Arabnia  
_Experimental Study of Particle Size Reduction in Debris Flows_  
Faculty Mentor: Leonard Sklar
Mathematics

Matthew Kim
Generalized Permutohedra
Faculty Mentor: Federico Ardila

Therese-Marie Landry
Multidimensional Continued Fractions, Farey Tilings of the Plane, and Roots of Unity
Faculty Mentor: Yitwah Cheung

Lucy Odom
An Overlap Criterion for the Tiling Problem of the Littlewood Conjecture
Faculty Mentor: Yitwah Cheung

Maxime Pouokam
Statistic for Chromosomes positioning in yeast genome
Faculty Mentor: Federico Ardila

David Rodriguez
Classifying Gestures Using Neural Trees and Random Forests
Faculty Mentor: Alexandra Piryatinska

Physics

Trevor Kelly
Guiding Invisible Light by Light in Plasmonic Resonant Solitons in Metallic Nanosuspensions
Faculty Mentor: Susan Lea

Psychology

Lanie Anton
Autonomy, Risk Perception, and Risk Taking in Emerging Adulthood
Faculty Mentor: Jeff Cookston

Kayla Bowen
Food, Stress, and Academic Motivation in College
Faculty Mentor: Jeff Cookston

Chase Boyer
Change Over Time in Parent-Adolescent Conflict: Psychological Aggression as an Emerging Conflict Tactic
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Cognitive- versus Emotion-Based Involuntary Cognitions: Frontal Control and Habitation Effects
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Executive function and emotion knowledge among chinese preschool children
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Executive Function in Chinese Preschoolers and Academic Achievement
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Understanding Children of Divorce: An Integrative Approach with Implications for School Psychologists
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The Effects of Self-Selected, Emotionally-Valenced Music on EEG and Pain Modulation
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Good to splurge on the extraordinary? Motivated money management mediates the relationship between essential spending and life satisfaction.
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Male Facial Stimuli Evoke Greater N170 Amplitudes in Different Cortical Regions for Female and Male Participants
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Attachment Styles Affecting Student Motivation: Best Practices and The Role of the School Psychologist
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Perceived Gender and Racial/Ethnic Barriers to Work and Academic Outcomes in Diverse Adolescents
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That's how I know he loves me: Measurement consistency and validity of the Behavioral Evidence of Mattering Scale
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Your brain on stereotypes: Social context biases early cortical attention
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Transforming Perspectives: An Integrative Approach to Supporting Children with Autism Spectrum Disorder
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Ferrah Spears
Underutilization of Mental Health Services in the African American Community
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Ell Tarnate
Extraverts savor and neurotics dampen: Exploring the relationships between positive emotion regulation, personality, and well-being
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Time Perspective as a Predictor of Adolescent Substance Use
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Frontal Lobe EEG Asymmetry and Generalized Anxiety Disorder
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Shannon Parsons
The Relationship Between Exclusionary Discipline & Repetition Compulsion
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Jordan Seliger
Who Are You? Categorization and Social Repercussions After Racial Cosmetic Surgery
Faculty Mentor: Avi Ben-Zeev

Nicole Slade
The Development of Self and Locus of Control on Academic Achievement
Faculty Mentor: Diane Harris
Other Presenter: Craig Garabedian

Jeff Spitzer Jr.
The Effects of Facial Familiarity on Emotion Recognition Accuracy
Faculty Mentor: David Matsumoto

Danielle Wittorp
Measuring San Francisco State’s Cultural Strength
Faculty Mentor: Kevin Eschleman
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