

The University of California, Irvine

presents the



23rd Annual

UCI Community College Honors Research Conference

March 25, 2023

Featuring students of the member colleges of the
Honors Transfer Council of California

2023 CONFERENCE COMMITTEE

Courtney Buchanan, Norco College
Christina Yamanaka-Vu, Mt. San Jacinto College
Emily Liu, Irvine Valley College
Ruth Blandón, East Los Angeles College
Judy Cannon, Crafton Hills College
Erik Ozolins, Mt. San Jacinto College
Brian Kennedy, Pasadena City College
Nathan Lopez, Compton College
Nathan Lopez, Compton College
Tim Adell, Victor Valley College
Jennifer Fisher, UC Irvine Undergraduate Admissions
Delaney Sargent, UC Irvine Undergraduate Admissions

Conference Chair
HTCC President
Conference Program Chair
Conference Communication Chair
Poster Coordinator
Scholarship Committee Chair
Moderator Co-Coordinator
Moderator Co-Coordinator
HTCC Treasurer
Building Bridges Editor
Meeting and Event Manager
Event and Meeting Specialist

Welcome

Welcome to the 23rd annual UCI Community College Honors Research Conference. The Honors Transfer Council of California, in partnership with the University of California, Irvine, is honored to be part of this conference, which highlights the research produced by community college honors students from across the state of California. This conference started over two decades ago with a small number of presentations by students from a handful of colleges. It has grown over the years in size and quality, and today we welcome hundreds of students, faculty, administrators, and guests to participate in a community of learning and to celebrate the academic accomplishments of our presenters. We are thrilled to return to an in-person conference at the UCI Student Center and are grateful to our hosts for this opportunity to showcase the research of honors community college students from across the state of California.

Today you will hear about innovative research from a wide array of disciplines. This conference is a unique opportunity to attend presentations and participate in discussions not only in your own area of specialization, but also in academic fields with which you are less familiar. In the spirit of Honors education that embraces intellectual discovery and supporting interdisciplinary approaches to research, learning, and problem solving, we invite you to attend a diversity of sessions that are listed in this program. We hope you will come away from the conference enriched with knowledge you may not have otherwise obtained. Please also be sure to attend the closing plenary session of the conference, where prizes will be awarded to students with outstanding abstracts and posters and to students who have demonstrated outstanding growth and academic success through their involvement in their community college's honors program.

As honors students, you represent some of the best qualities of your respective colleges, reflecting not only your own hard work and academic excellence but also the teaching and mentoring of those who have made a difference in your life. We hope you will embrace your role as an unofficial ambassador of your school, network with honors students from other institutions, and take a few minutes to walk around and experience the UCI campus once the conference is over as you consider your future transfer options.

From all the members of the Honors Transfer Council of California, we wish you an educational and enjoyable conference.

Christina Yamanaka-Vu

President, Honors Transfer Council of California

Associate Professor of History and Honors Program Co-Director, Mt. San Jacinto College



Courtney Buchanan, Ph.D.

Vice-President and Conference Chair, Honors Transfer Council of California

Associate Professor of Anthropology and Honors Program Coordinator, Norco College

Gratitude and Thanks

The Honors Transfer Council of California is grateful to the administration and staff of the University of California, Irvine, for hosting and supporting this annual research conference. The commitment that UC Irvine has made to our organization and this conference is a strong testament of its support of California community colleges and transfer students.

This conference is enhanced significantly by the contributions, in spirit as well as funding, of the UC Irvine Office of Admissions and Relations to Schools. We greatly appreciate the tremendous assistance of Jennifer Fisher, UCI Meeting and Event Manager, and Delaney Sargent, UCI Event and Meeting Specialist. Their experience with on-the-ground conferences provided the invisible backbone of a successful event. As always, we are grateful for the support that Dale Leaman, Executive Director of UCI's Office of Undergraduate Admissions, has given to not just the HTCC but also to the entire mission of community college transfer in California.

We owe special thanks to the faculty who read and scored hundreds of abstracts over their winter "break":

Miriam Golbert, College of the Canyons
Evan Kendall, Los Angeles City College
Joel Lamore, San Bernadino Valley College
Emily Liu, Irvine Valley College
Margot Lovett, Saddleback College
John Norvell, Mt. San Antonio College
Erik Ozolins, Mt. San Jacinto College

Edward Pineda-Castro, Los Angeles City College
Alannah Rosenberg, Saddleback College
Christopher Sleeper, MiraCosta College
Julie Song, Chaffey College
Anthony Szczurek, Saddleback College
Christina Yamanaka-Vu, Mt. San Jacinto College

And to the faculty who read and scored submissions for HTCC scholarships and abstract awards:

Evan Kendall, Los Angeles City College
Emily Liu, Irvine Valley College
Jennifer Miller-Thayer, Citrus College
Kathy Patterson, Santa Ana College

Janine Pliska, Long Beach City College
Julie Song, Chaffey College
Rachel Williams, El Camino College
Christina Yamanaka-Vu, Mt. San Jacinto College

Special thanks, also, goes to

Christina Yamanaka-Vu, whose leadership of HTCC enhances the quality of honors programs across the state.

Courtney Buchanan for coordinating all the moving pieces of this conference.

Emily Liu for facilitating review of submitted abstracts and creating the conference program.

Ruth Blandón, who sent important communications to student researchers.

Judy Cannon, our Poster Session Coordinator, along with our accomplished group of poster judges.

Erik Ozolins for coordinating review of scholarship and award applications.

Brian Kennedy and **Nathan Lopez** for coordinating our student moderators.

Tim Adell, who will edit the 2023 edition of *Building Bridges* so that our students can share their research with the wider world.

23rd Annual UCI Community College Honors Research Conference

PROGRAM

| | | |
|-------------|----------------------------------|------------------------|
| 8:00-9:20 | Poster Session | |
| | Registration | Pacific Ballroom Lobby |
| | Breakfast | Pacific Ballroom Patio |
| 9:30-10:00 | Opening Session | Pacific Ballroom CD |
| 10:15-11:30 | Oral Presentations: Session 1 | |
| 11:45-1:00 | Oral Presentations: Session 2 | |
| 1:00-2:00 | Lunch | Pacific Ballroom Patio |
| 2:15-3:30 | Oral Presentations: Session 3 | |
| 3:40-4:30 | Closing Plenary Session / Awards | Pacific Ballroom CD |



UC Irvine Conference Center



Poster Session

8:00-9:20 am

Doheny Beach A

| | | |
|---|---|--|
| 1 | Gissele Arroyo Daisy Rosales Chau Ly Daniel Serrano Andrew Romero Ruiz Moreno Valley College Mentor: Joanna Werner-Fraczek | Pogonomyrmex rugosus ant workers' ability to learn and exchange information using odor and food reward Present the research results conducted during Fall 2022 as contract work for Bio-61. |
| 2 | Maylin Qi College of the Canyons Mentor: Loni Hands | Bioethics of Gene Editing Advancements in science have constantly been developed in the past years, such as gene editing, but ethical concerns are still imminent. |
| 3 | Sebastian Pinteá Santiago Canyon College Mentors: Stevan Pecic and Amanda Henry | Shedding Light on the Silent Killer: Design, Synthesis, and Biological Evaluation of Donepezil-based Analogs as Possible Alzheimer's Disease Therapeutics Modifying Donepezil's chemical structure can increase its effectiveness against Alzheimer's Disease by inhibiting the enzyme acetylcholinesterase, ultimately increasing acetylcholine levels to improve memory retention. |
| 4 | Fernanda Velasco Irvine Valley College Mentor: Julie Herold | Battling Antibiotic Resistance: How Vaccines Can Prevent The Next Superbug In the face of antibiotic-resistant bacteria that threaten to make medications ineffective, utilizing vaccines to combat infection has become a new area of study. |
| 5 | Shireen Mohamadjawad Irvine Valley College Mentor: Hartrisha Dhindsa | Healing the Body from Within: An Analysis on the Effects of Physical Activity, Nutritional Modification and Cannabis use on Chronic GI Patients The study measures chronic GI and non chronic GI participants' experience and knowledge on physical activity, nutritional modifications, and cannabis use to promote symptom relief. |
| 6 | Ansharah Asif Irvine Valley College Mentor: Jefferey Kaufmann | Antimicrobial VS. Antibacterial Mouthwash: Healthier Choices for Daily Oral Hygiene Maintenance This research compares the effect of Chlorhexidine in the antimicrobial mouthwash to the Hydrogen Peroxide in the antibacterial mouthwash in prevention of oral biofilm formation. |

Poster Session

8:00-9:20 am

Doheny Beach A

| | | |
|----|--|---|
| 7 | Kristen Norris Saddleback College Mentor: Tina Jenkins | Shaken Baby Syndrome Long-Term Outcomes: Non-Accidental Abusive Head Trauma Pre- and Peri-COVID-19 Pandemic Identification of the vulnerabilities of infants during the COVID-19 for chronic vs. incidental shaken baby syndrome and the impact this has on long-term outcomes. |
| 8 | Leo Thom Kawile Mia Noergaard Keli Fisher Saddleback College Mentor: Jennifer Czerniawski | Knowledge is Power: Exploring Correlations Between Vaccine Knowledge and Vaccine Willingness This study recruited participants to explore patterns between their vaccine knowledge and willingness to receive a vaccine to understand the factors underlying U.S. COVID-19 vaccination. |
| 9 | Natalie Paul Fullerton College Mentor: Katheryn McGuthry | Pain with Purpose Although pain is not a pleasant experience, it is purposeful for survival. This literature review explored a deeper understanding of the complexity of pain perceptions. |
| 10 | Selynah Liwanag Irvine Valley College Mentor: Carrie Goulding | The Antonym of Beauty: Toxic Cosmetic Products in the United States Toxic chemicals are prevalent in formulations as the cosmetic industry lacks regulations, posing health risks unless resources are allocated for oversight, legislation, and consumer awareness. |
| 11 | Karolina Divisova Irvine Valley College Mentor: Emily Liu | Modern Gold Rush: Negative Impacts of Lithium Mining in Salar de Atacama, Chile Lithium mining in Salar de Atacama, Chile, is an unregulated, resource-intensive process that negatively impacts the surrounding ecosystem and violates the rights of local communities. |
| 12 | Janhavi Shah Irvine Valley College Mentor: Jodi Titus | Climate Change Impacts on Women's Prosperity in Bangladesh This research analyzes climate change vulnerabilities in Bangladesh and offers a picture of how gender-based social capital develops prosperity in a climate catastrophe. |
| 13 | Ahmet Gundogdu Irvine Valley College Mentor: Emily Liu | Recent Breakthrough In Nuclear Fusion Will Revolutionize Nuclear Energy Recent breakthroughs in nuclear energy based on fusion will revolutionize the United States' nuclear energy market. |

Poster Session

8:00-9:20 am

Doheny Beach B

| | | |
|----|---|--|
| 14 | Panithan Lertsuntivit Irvine Valley College William Spinella | Modeling Dark Matter Stars This research aims to model the clumping of Dark Matter particles, or Dark Matter Stars, to gain a better understanding of their characteristics. |
| 15 | Ariana Johnson MiraCosta College Mentor: Erica Peters | “Carrying the weight of the world” - can newtons laws tell you how much numerical strength you have? Using a scale, a human, and weights can be used to calculate how much a person can mathematically push their physical limits. |
| 16 | Dakota Erwin Crafton Hills College Mentor: Richard Hughes III | Seismic Isolation and Sustainability in Our Built Environment Building safety becomes more important in architectural design as our geotechnical knowledge about our environment grows. This study explores the bridge between geology and architecture. |
| 17 | Sela Murphy Pasadena City College Mentors: Zakaria Y. Al Balushi and Ayush Gupta | Low Temperature Spin Coating of Two-Dimensional Molybdenum Disulfide Low-temperature spin coating was utilized to deposit and optimize thin films of 2D molybdenum disulfide by adjusting precursor solution, substrate, rotation speed, and spin time. |
| 18 | Sarah Bauer Irvine Valley College Mentor: Lan Pham | Exploring Properties of the Collatz Conjecture Through Numerical Simulations Numerical simulation and statistical analysis are performed to mathematically verify and expand understanding of the mysterious Collatz conjecture. |
| 19 | Anna Dupree Dee Bao Irvine Valley College Mentor: Lan Pham | Seven billion Alaskan snow crabs vanished. What happened? Alaskan snow crab populations dropped by over 90% in recent years. We investigate environmental and fishing factors that have contributed to their decline. |
| 20 | Tien Tran Audrey Pham Irvine Valley College Mentor: Lan Pham | Mathematical Modeling of Precipitation to Study Climate Change in Southern California Piecewise sinusoidal modeling of precipitation data from 1920 to 2022 to study and compare climate change in different regions of Southern California. |

Poster Session

8:00-9:20 am

Doheny Beach B

| | | |
|----|---|---|
| 21 | Silas Black Liev Berg Isaac Hernandez MiraCosta College Mentor: Kristine Arquero | Exploring Connections Between Air Quality and Water Quality in Relation to Rainfall in Coastal San Diego Changes in air quality and rainfall affect the concentrations of airborne particulate matter within coastal San Diego. |
| 22 | Chloe Foo Saddleback College Tony Huntley | Growth of Spirogyra Sp. Associated With Increases of pH Photosynthesis causes an increase in pH due to its inhibitory and reverse reaction in relation to ocean acidification. My results support this hypothesis. |
| 23 | Allan-Daxter Serrato Crafton Hills College Mentor: Richard Hughes III | California Cautions: Algal Investigation of Inner Cabrillo Beach A study of the failed efforts to eliminate algal blooms in Inner Cabrillo Beach and new, more promising, efforts to mitigate this ecological disaster. |
| 24 | Kalyn Nishida Irvine Valley College Mentor: David Fretz | A Broken Heart Can be Repaired: How Axolotl Regeneration Research is Valuable A Broken Heart Can be Repaired: Breakthroughs in understanding how axolotls regenerate complex organs and limbs could aid in a multitude of human health issues. |
| 25 | Priscilla Ngo Jacob Morgan Jaclyn Lett Mt. San Jacinto College Mentor: Nick Reeves | An Experiment on Homology Directed Repair through CRISPR-Cas9 to Edit the lacZ Gene in Escherichia coli Using CRISPR-Cas9, we successfully edited E. coli to stop the production of the β -galactosidase protein. During this, we discovered several mutants resistant to gene editing. |
| 26 | Kamalin Kaviani Saddleback College Mentor: Tina Jenkins | Readiness Potential: The Brain Signal that Dismissed Free Will Readiness potential brain signal, measured before voluntary movements, implies the brain is getting prepared for an action far before one's awareness of the decision. |

Poster Session

8:00-9:20 am

Emerald Bay A

| | | |
|----|--|---|
| 28 | Omar Farrukh El Camino College Mentor: Kassia Wosick | Not Really a Terrorist: A Sociological Analysis of Muslim Representation in Media This project examines current representations of Muslims in the mass media, specifically news, television and film, through an analysis of peer-reviewed articles |
| 29 | Andrea Feodorov San Bernardino Valley College Mentor: Joel Lamore | Parallels Between the Weimar Film Waxworks and Ancient Ritual Though appreciable analysis has focused on Weimar films, most research centers on the technique or era rather than an attempt to duplicate a ritualistic experience. |
| 30 | Angel Avalos-Lagunas Orange Coast College Mentor: Erin Gratz | Overcoming Barriers to Higher Education: The Impact of Socioeconomic Status and Race Utilizing Algorithmic Sequences to Evaluate the Effectiveness of Educational Programs for Disadvantaged Students in the United States |
| 31 | Samuel Luk El Camino College Mentor: Rachel Williams | Point of Conflict: Should Gifted Education Programs Exist? While reforming accelerated programs to include more underserved students can bridge the gap between students, removing accelerated programs outright would have harm the United States. |

Poster Session

8:00-9:20 am

Emerald Bay A

| | | |
|----|--|---|
| 32 | Nicholas Lavis Mt. San Jacinto College Mentor: Erik Ozolins | "At Cupa we lived well": How the Cupeño and Luiseño Religions Synthesized with Christianity The Pala Band of Mission Indians has an expansive religious history, comprised of indigenous religions, forced conversion to Catholicism, and later syncretic resistance movements. |
| 33 | Veselka Zelemenova Crafton Hills College Mentor: Cheryl DiBartolo | The Debate on the Origin of Man: A Case for the Mediterranean Re-examination of Graecopithecus freybergi addresses the lack of pluralism in archaeological research by suggesting that human ancestors first existed in the Mediterranean rather than Africa. |
| 34 | Alyssa Agarie Irvine Valley College Mentor: Brittany Adams | Political lesbianism: history, ideologies, and impact on modern feminism Examine the impact radical lesbianism had on private and public spheres, as well as its history that is often left out in second-wave feminism history. |
| 35 | Aaliyah Akbar Irvine Valley College Mentor: Brittany Adams | Young & Hungry: The Male Gaze's Impact on 20th Century America's Female Beauty Standards Assessing the male gaze's influence on the unrealistic beauty standards, as presented by media and society during the 1900s, and detriments on America's young women. |
| 36 | Retaj Ridha Saddleback College Mentor: Michele Rousseau | Wisdom of the Ancients: The History and Future of Technology in Iraq This research highlights the history of technology found in the region of Iraq, its decline, and the current state of technology in the modern country. |

Poster Session

8:00-9:20 am

Emerald Bay B

| | | |
|----|--|---|
| 37 | Alexa Valdez Mt. San Jacinto College Mentor: Jess Whalen | An Ethnographic View of Cockfighting and its Cultural Importance A culturally relativistic analysis of interviews with two informant galleros details the prevailing presence of cockfighting subculture within contemporary urban communities in Mexico City, Mexico. |
| 38 | Keli Fisher Saddleback College Mentor: Bridget Hoida | A Search for Authenticity: Western Cultures' Adoption of the Shakuhachi Examining Western cultures' adoption of the shakuhachi and interest in Japanese spiritual music reveals a desire for authenticity and freedom in a distinctly non-Western setting. |
| 39 | Madiha Pashtoon Irvine Valley College Mentor: Emily Liu | The Burden of Female Blame: Is There Paternal Contribution to Fetal Alcohol Spectrum Disorders? While Fetal Alcohol Spectrum Disorders (FASD) targets women to avoid alcohol for prevention, there have been discoveries in preconceptional paternal contribution affecting fetal development. |
| 40 | Rachel Kanter Crafton Hills College Mentor: Diane Pfahler | Breadwinners & Babymakers: Examining the Relationship Between Benevolent Sexism, Narcissism, & Self-Esteem This research hypothesized that women with increased narcissism and men with decreased self-esteem would express higher support for benevolent sexism, which affirms traditional gender roles. |
| 41 | Sierra Lopour San Bernardino Valley College Mentor: Joel Lamore | Less Work, More Play: 4/10 Workweek Twenty-first-century businesses should consider adopting a 4/10 workweek schedule; restructuring work schedules will improve productivity, retention, recruitment and overall employee well-being. |
| 42 | Olivia Jin Irvine Valley College Mentor: Lewis Long | The Small Business Strategy: Impact of Graphic Design on Brand Identity and Competitive Advantage Small businesses benefit the economy, but face high failure rates, which can be addressed through effective graphic design principles promoting brand identity and social-media engagement. |
| 43 | Micah Hsu Saddleback College Mentor: Tina Jenkins | Zooming Through Zoom Lectures: The Effects of Time Compression on Learning Have you ever wondered whether you should watch lectures at double speed? Surprisingly, it barely decreases comprehension, and accuracy can be trained over time. |

Poster Session

8:00-9:20 am

Emerald Bay B

| | | |
|----|--|---|
| 44 | Lili Nezmer El Camino College Mentor: Stephanie Burnham | Easy Instruction Versus Quality Education: The Academic Repercussions of Student Evaluations Ratemyprofessor.com is warping academic priorities: Online ratings of professors and official student-written teaching evaluations encourage professors to raise grades without improving their instructional quality. |
| 45 | Justine Constantino Justine Dao Anagha Rao Mt. San Antonio College Mentor: Misty Kolchakian | The Relationship Between The Fear of Missing Out, Ruminative Thought Process, Campus Involvement, and Life Satisfaction This study investigates the FOMO social phenomenon and its impact on a student's overall engagement, emotional state, and their satisfaction towards their current lifestyle. |
| 46 | Hedieh Fahami Saddleback College Mentor: Tina Jenkins | From Cradle To College: Contemporary Student Activism During the Age of Technology This poster focuses on how demographic factors and facilitating tools influence college students' political activism and how their participation affects their identity. |
| 47 | Anthony Page Crafton Hills College Mentor: Diane Pfahler | The Connection Between Sense of Social Support and Grade Point Average A survey was given to 78 college students to determine the connection between one's sense of social support and grade point average. |
| 48 | Pia Katrina Tiqui El Camino College Mentor: Lucy Alamillo | Imposter Syndrome: An Internal Battle Among First-Generation Students This project focuses on the development and persistence of imposter syndrome within first-generation college students pursuing degrees in higher education. |
| 49 | Will Hische Saddleback College Mentor: Tina Jenkins | Narcissistic Personality Disorder: Moving Beyond Stigma and Into Recovery This poster focuses on treatment for narcissistic personality disorder and how stigma from clinicians may impact treatment. |

Poster Session

8:00-9:20 am

Emerald Bay C

| | | |
|-----|--|---|
| 50 | Colby Keces Saddleback College Anthony Szczurek | Assessing Individuals' Satisfaction and Trust in the Local and National Government: A Comparison between Saddleback Community and National Metrics This survey investigates the following question: to what degree does the Saddleback community trust local and national governments and does this trend mirror national averages? |
| 51 | Kathleen Pan Irvine Valley College Mentor: Emily Liu | "Does the Right to Life, Liberty, and the Pursuit of Happiness Exist for Children?": The Shortcomings of American Child Abuse and Neglect Legislation This study examines the overrepresentation of lower socioeconomic children in child welfare. Potential solutions are drawn after cross-analysis of legislation to rates of child maltreatment. |
| 52 | Kika Akpenyi El Camino College Mentor: Sarah Leinen | SORO SOKE – Speak louder: The People Respond to Police Brutality Audre Lord once said that "Your silence will not protect you", but what if it can? What if your silence could secure your life? |
| 53 | Shannon Pho Saddleback College Mentor: Tina Jenkins | Sanctions of Violence: How Fraternity Climates Promote Sexual Assault Using observational and quantitative studies, this presentation seeks to determine the factors that encourage sexual violence in college fraternities based on traditional masculine norms. |
| 554 | Felicia Rivera Los Angeles City College Mentor: Lauren Hofschneider | Food Addiction and Eating Disorders: Exploring The Correlation Between Extraversion, Impulsivity, and Binge Eating Disordered eating is linked to personality traits common in extraverts, including impulsivity. Therefore, we seek to study how high extraversion and impulsivity predict disordered eating |
| 55 | Makayla Arnoldi Saddleback College Mentor: Tina Jenkins | So You're Giving Up? An Analysis of the Effects of Psychological Intervention on the Progression of White Matter Brain Lesions in Multiple Sclerosis Patients This poster explores the effects of psychological intervention on the progression of white matter brain lesions in Multiple Sclerosis patients including hyperintensity and structural disconnection. |

Poster Session

8:00-9:20 am

Emerald Bay C

| | | |
|----|--|---|
| 56 | Rachel Lei Irvine Valley College Mentor: Emily Liu | Dying To See You: The Fatal Epidemic of Social Isolation in Nursing Homes Social isolation and loneliness (SIL) are understudied yet pervasive issues among US nursing homes, producing far-reaching detrimental effects that warrant further awareness. |
| 57 | Alyssa Charles Saddleback College Mentor: Tina Jenkins | Psychological Intervention for Inmates: How Might We Prevent Jails and State Prisons from Becoming the New Asylums? This research investigates intervention and evaluation of people who are currently and previously incarcerated who have suffered from serious mental illness to benefit their behavior. |
| 58 | Christopher Raheb Saddleback College Mentor: Tina Jenkins | Video Games And Why We Play Them A look at what factors cause different people to play different types of video games, focusing on personality, preferences, and current or desired emotional state. |
| 59 | Ashley Singh El Camino College Mentor: Agnes Davies | Leveling up in the Real World: The Societal and Individual benefits to Video Games This project analyzes the effects online video games have on individuals, exploring the benefits to mental, social, and behavioral health. |
| 60 | Arabella Watson Irvine Valley College Mentor: Virginia Shank | Communication of the College Admissions Process The college admissions process is general and students' applications are evaluated subjectively, harming students' admission. This literature review determines the most effective solutions. |
| 61 | Trisha Thu-Quynh Nguyen-Vu Orange Coast College Mentors: Erin Gratz and Diane Brown | What are the Knowledge Gaps about Fentanyl among College Students? This research examines college students' knowledge about the dangers of fentanyl and harm reduction. |
| 62 | Hailey Strayer Saddleback College Mentor: Tina Jenkins | Anxiety Development in the Brain: The Effects of Methamphetamine Age, sex, and physical health are factors that influence the brain's reaction to methamphetamine and further determine one's likelihood of developing anxiety-like behavior. |



Opening Session 9:30-10:00 am

Pacific Ballroom CD

WELCOME AND INTRODUCTIONS

Dale Leaman

Executive Director, UCI Office of Undergraduate Admissions

Christina Yamanaka-Vu

President, HTCC

History Professor, Mt. San Jacinto College

University of California, Irvine

Lisa Roetzel

Director, Campuswide Honors Collegium

Courtney Buchanan

Vice President and Conference Chair, HTCC

Anthropology Professor, Norco College

Oral Presentations: Session 1

10:15-11:30 am

Doheny Beach A

Daissy Aleman

Victor Valley College

Mentors: Bryce Campbell and

Tim Adell

The Women of Conrad and Achebe

Women in Heart of Darkness and Things Fall Apart demonstrate divergent ways that literature objectify women

Starr Angelique Swanson

Los Angeles City College

Mentors: Danielle Muller and

Can Aksoy

You're Imagining Things: Cultural Hegemony In The Stepford Wives, Replicating The Behaviors Of Oppressors

The Stepford Wives changes the perception of 1960's suburban wives from picturesque to horrific through the novella's thematic depiction of hegemonic culture.

Larissa Parra

Irvine Valley College

Mentor: Lewis Long

Looking Through the Male Gaze: Analyzing John Green's Manic Pixie Dream Girl in Looking For Alaska

While Green's novel, Looking for Alaska appears to reinforce the Manic Pixie Dream Girl Trope, it's ironic criticism that challenges the male gaze in literature.

Cameron Covert

El Camino College

Mentor: Lyman Hong

Censorship: The Suppression of The Feminine in Literature

The censorship of women in past works of literature has taken many forms, which still affect the reception of feminist ideas in the world today.

Oral Presentations: Session 1

10:15-11:30 am

| Doheny Beach B | |
|---|---|
| Tyler Bashor Saddleback College Mentor: Margot Lovett | The Silver Rush: Spanish Silver Mining's Impact on Ecology and Society in Colonial Michoacan, Mexico Spanish introduction of silver mining to sixteenth century Michoacán, Mexico was devastating, causing massive deforestation, river pollution, poisoned water tables, habitat loss, and social/agricultural disruption. |
| Hedieh Fahami Saddleback College Mentor: Margot Lovett | The Persistence to Remain: Resistance of the Cherokee Nation Against Removal While the American government worked to implement the Indian Removal Act in the 1830s, the Cherokee nation resisted through petitions, newspaper publications, and speeches. |
| Alison Marshal Crafton Hills College Mentor: Edward Gomez | This Name is Not Mine: The Erasure of Native American Names in the United States Indigenous North Americans used naming systems which held significance and meaning to them, but which were forcibly replaced with the intrusion of European practices. |
| Yareni Pelayo Sanchez San Bernardino Valley College Mentor: Edward Gomez | The Endless Trail: The Legacy of Substance Abuse in Native American Families The high rate of substance abuse in Native American parents is transferred to Native youths at an alarming rate. |

Oral Presentations: Session 1

10:15-11:30 am

| Doheny Beach C | |
|--|---|
| Zohal Noori Nikou Bakhtiari Masha Goodarzi Jerry Liu Saddleback College Mentor: Abby Sirulnik | Honey, Where is my Manuka?: The Effectiveness of Manuka Honey as a Topical Acne Treatment to Inhibit Staphylococcus aureus A research study on the effectiveness of manuka honey as a natural home remedy to treat common bacterial acne caused by Staphylococcus aureus. |
| Shireen Mohamadjawad Irvine Valley College Mentor: Hartrisha Dhindsa | A Tantalizing Triad: Combining Traditional, Holistic, and Healing Enhancing Environments Toward the Relief of Chronic GI Diseases This study measures emotional and vibrational healing benefits for chronic GI patients' symptoms and the role healing enhancing environments have on health outcomes. |
| Fatima Anwar Cerro Coso Community College Mentors: Claudia Sellers and Guck Ooi | Benefits of melatonin in treating schizophrenia Since schizophrenia is associated with reduced production of natural melatonin, can melatonin be used to treat schizophrenia? |
| Prianna Hong Mt. San Antonio College Mentor: Lori Walker | The Significant Role of Diet for Personal and Global Longevity Our human population is multiplying at uncharted speeds, thus prompting more health, ethical, and environmental problems. A common factor accelerating such prominent issues is diet. |

Oral Presentations: Session 1

10:15-11:30 am

Doheny Beach D

Hannah Weiss

West Valley College

Mentor: Tim Kelly

Polio and the People

The complex ways the media portrayed polio greatly motivated the American public, resulting in more funding towards the vaccine efforts that succeeded against the disease.

Kanon Kitazume

Irvine Valley College

Mentor: Emily Liu

The Rise and The Falls of Minimalism in Corporate Branding

Corporations Taking Minimal Shortcuts: While minimalism is a technique for brands to refresh their look, its oversaturated use has led to a lack of individuality.

Emily Pomeroy

Chaffey College

Mentor: Julie Song

The American Dream: Reflections on Culture and Business from Immigrant Entrepreneur Communication Styles

This project examines how the varied communication styles of immigrant entrepreneurs creates obstacles in their day to day business operations.

Troy Jones

San Bernardino Valley College

Mentor: Joel Lamore

Tracking That Packet: Refining Data Packets and Network Security

There are two areas within the global network's security systems that need to be addressed before a greater number of cybersecurity threats can be reduced.

Oral Presentations: Session 1

10:15-11:30 am

Emerald Bay A

| | |
|---|---|
| Aidyn Sandler El Camino College Mentor: Amy Himsel | Exploring the benefits and risks of legalizing psychedelics Numerous studies find psychedelic therapy beneficial; however, limited research on potential drug interactions and adverse side effects suggests that legalizing psychedelics for everyone is premature. |
| Jonathan Short Mt. San Jacinto College Mentor: Angelina Warner | Physical Therapy and Mental Health: Exploring a Multidisciplinary Approach to Treating Mental Illness Experimental research and expert opinion indicate that incorporating physical therapy into a biopsychosocial model of treating mental illness results in better patient outcomes. |
| Abigail Garner Pasadena City College Mentor: Shane Underwood | Mild Depression in Adolescence: Walk and Talk Therapy as a Treatment Method Walk and Talk Therapy is a treatment method for adolescents undergoing mild depression that deviates away from medication and instead heals adolescents through natural means. |
| Jessica Cliff Cerro Coso Community College Mentors: Guck Ooi and Claudia Sellers | Mind Games – Cognitive benefits of video gaming on older adults Playing video games can prevent cognitive decline in older adults. |

Emerald Bay B

| | |
|---|---|
| Natalie Ortiz El Camino College Mentor: Karen Whitney | “Messing With A Sacred Image That Does Not Belong to You:” Queer Feminist Reclamation of the Virgin of Guadalupe Alma López's queer reimagining of the Virgin of Guadalupe is controversial because it transgresses the heteropatriarchal standards of Chicano culture. |
| Ruby Pichardo East Los Angeles College Mentor: Nadine Bermudez | Breaking the System: Tattoos as a Representation of Identity and Resistance Tattoos serve as a form of Chicana identity and resistance art. They challenge norms and cultural traditions that dictate who they are supposed to be. |
| Jacqueline Godoy Moreno Valley College Mentor: Lauren Johnson | Rebelling Against Societal Norms Furthers the Advancement of Society Examining the social psychology behind the ineffective stunt of climate change activists defacing Impressionist artwork will identify what influenced its downfall and how society advanced. |

Oral Presentations: Session 1

10:15-11:30 am

| Emerald Bay C | |
|--|--|
| Kimberly Dawud Mt. San Antonio College Mentor: Charis Louie | Gender Bias: Our Conscious Self with Unconscious Beliefs In our unconscious mind, gender-biasing takes control. Our implicit biases impede reality and reduce our ability to perceive one another equally especially in the workplace. |
| Emma Crump Olivia Crump El Camino College Mentors: Kassia Wosick and Rachel Williams | The Dangers of The Fratriarchy: How fraternities sustain toxic hegemonic masculinity at an institutional and interpersonal level This project aims to explore the dangerous side of fraternities and the power they have inside and outside college campuses. |
| Noor Dalati Harin Lee Deborah Hotchkiss Sam Morrin Joshua Tellez Ruby Barragan Irvine Valley College Mentors: Jerry Rudmann and Hartrisha Dhindsa | Quantifying the Pervasive: How Widely Held Are Psychological Myths among Undergraduate Students? The present study will survey the prevalence of community college students' beliefs in psychological myths and examine potential correlations with such beliefs. |
| Anthony Nocedal Irvine Valley College Mentor: Emily Liu | SKY, CRY, or DIE: A Breakdown of Academic Pressure in South Korea Unprecedented levels of academic pressure incite mental illness, underachievement, and suicidal tendencies within Korean scholars; local and nationwide intervention mitigates debilitations in defying traditional norms. |

Oral Presentations: Session 1

10:15-11:30 am

| Emerald Bay D | |
|---|---|
| Victoria Farasat Arman Meysami Tabriz Nathan Kelley Trena Sinclair Irvine Valley College Mentor: Abby Sirulnik | The Evolution of Antibiotic Susceptibility in Antibiotic-Resistant Bacteria from Southern California Creek Water This research demonstrates the possibility of antibiotic-susceptible bacteria evolving from antibiotic-resistant bacteria when grown in an antibiotic free environment. |
| Carrie Jackson El Camino College Mentor: Darcie McClelland | The Real Price of Plastic This project explores microplastics, present in ocean water, that are endocrine disruptors and how these chemical contaminants are broken down and transported to organisms. |
| Gissele Arroyo Daisy Rosales Daniel Serrano Moreno Valley College Mentor: Joanna Werner-Fraczek | Plant Response to Circadian Rhythm Interruption Present the research results conducted during Spring 2021 as contract work for Bio-60H |
| Boyue Dong Mt. San Antonio College Mentor: Lori Walker | Pet or Pest: The Urgency to Curb Free-Roaming Cat Populations to Save Millions of Other Animals Research has identified that free-roaming cats play a significant role in driving species extinction and spreading deadly diseases, which necessitates stricter control of cat populations. |

Oral Presentations: Session 1

10:15-11:30 am

| Emerald Bay E | |
|--|---|
| Aidan Hamm Ben Ahn Natalie Paul Katelyn Renteria Kevin Vargas Fullerton College Mentor: Katheryn McGuthry | Confidence and Success in Academia: Community College Student Perspectives On the tail end of the pandemic, our team examined student self-reports of academic confidence, success, and student motivation in a community college environment. |
| Morgan Koo Irvine Valley College Mentor: Carrie Goulding | A Struggling Model Minority: Unveiling Facades of Asian Americans for Progress and Well-Being Despite achieving many successes, Asian Americans often shoulder various burdens to uphold expectations, which can progress through improved mental-health services and guidance towards intrinsic motivations. |
| Justine Jamie Gotico Irvine Valley College Mentor: Emily Liu | Tigers in My House: How Tiger Parenting in Asian America Endangers College Students Tiger parenting in Asian America has since been thought to rear a child's success. However, this investigation reveals its shocking, lasting detriments for college students. |
| Amy Chen Irvine Valley College Mentor: Emily Liu | How Cultural Heritage Prevails in Educational Success: A Systematic Review The research purpose is to identify the implications of cultural differences in shaping emotional intelligence, a determining factor in academic performance and student self-efficacy. |

Oral Presentations: Session 1

10:15-11:30 am

| Moss Cove A | |
|---|---|
| Dani Ouk Long Beach City College Mentor: Geetha Rajaram | Meat Consumption and Poverty's Effect on CO2 Emissions and Climate Change Globally This is a regression study on how factors such as meat consumption and poverty affects CO2 emissions, which works to influence global warming. |
| Tien Tran Audrey Pham Irvine Valley College Mentor: Lan Pham | Investigating Climate Change From the National Weather Service Data In Southern California Large-scale statistical analysis of temperature data from the National Weather Service to study climate change in Southern California from 1920 to 2022. |
| Alexander Kano El Camino College Mentor: Tom Cody | A New World with Nuclear: Winning the Fight Against Climate Change Nuclear power, though misunderstood, is necessary to combat climate change by reducing emissions and providing the opportunity to shift from fossil fuels to clean energy. |
| Noah Nicholls Saddleback College Mentor: Marni Fisher | Nuclear Energy: Its Proliferation and its Fallout Due to its abundance, safety, and low negative effect on the climate, Nuclear Energy presents itself as a valuable energy source despite its controversial history. |

Oral Presentations: Session 1

10:15-11:30 am

| Moss Cove B | |
|--|--|
| Thien Le Pasadena City College Mentor: Shane Underwood | Miss Authenticity The categorical structure of beauty competitions perpetuate inauthentic standards of femininity, where contestants silence authentic expression and perform the inauthentic expectations of their critics. |
| Chloe Foo Saddleback College Mentors: Marni Fisher and Anthony Szczurek | Representations of Women and Gender in Modern Video Game Media Video game technology and feminism converges in the present day creating a digital landscape where gender can be expressed in complex fictional contexts. |
| Arline Daniali Glendale Community College Mentor: Michael Harnett | A Woman's Worth Ends with Puberty Women fall victim to the modern beauty standards that prioritize youthfulness, as seen through the overwhelming majority of anti-aging products targeted towards women. |
| Breanna Moeller Saddleback College Mentor: Anthony Szczurek | Pro-Life Feminism in the Wake of Dobbs v. Jackson "Pro-life feminists" may sound like an oxymoron, but their fundamental beliefs logically defend the contrary. |

Oral Presentations: Session 1

10:15-11:30 am

| Pacific Ballroom B | |
|--|--|
| Troy Holly Saddleback College Mentors: Suki Fisher and Marni Fisher | Divided We Fall: How Social Media is Tearing Americans Apart While social media has clearly exacerbated existing divisions between America's political parties, the exact reasons for this are far more nuanced than one might expect. |
| Allyson Najera Irvine Valley College Mentor: Chris Loeffler | A Disorder in Disguise: How TikTok Exploits Social Dependency in 12 to 25 year old Female Powerlifters through Glamorizing Eating Disorders TikTok uses social dependency to gain profit through filter bubbles, leading to negative mental effects, and furthering stigmatization of seeking help for eating disorders. |
| Krish Sarvaiya Irvine Valley College Mentor: Emily Liu | The TikTok Pipeline: Millions Of Kids Being Radicalized Toward Dangerous Ideologies Through TikTok TikTok is severely harming adolescents through causing their radicalization towards extremist ideologies; media literacy programs must be implemented to reduce their susceptibility towards radicalization. |
| Jesus Prado Moreno Valley College Mentor: Jennifer Floerke | Perspectives Surrounding Reddit Moderators: The Complexity of Online Culture The increasing reliance on the internet has provided a space for communities to flourish, as well as the creation of brand-new communities with unique cultures. |

Oral Presentations: Session 1

10:15-11:30 am

| Woods Cove A | |
|---|--|
| Wesley Estep Saddleback College Mentor: Margot Lovett | Guns versus Swords The British won the First Opium War due to their centralized military, modern equipment, and motivation to ensure continued profits from the illegal opium trade. |
| Zachary Becker Citrus College Mentor: Brian Waddington | The Failure in Vietnam Analyzed by Sun Tzu's Art of War This study analyzed a selection of events of the Vietnam war and reviewed at what was done right and wrong according to Sun Tzu. |
| Morgan Nguyen Santa Ana College Julian Camacho | Viewing the Vietnam War from the Victor's Perspective: Identifying Reasons why North Vietnam Won North Vietnamese's victory was made possible not due solely to a war tactic, but of conditions that made victory possible and their tenacity. |
| Lucas Vincenot West Valley College Mentor: Tim Kelly | The Effects of the Cuban Missile Crisis On The United States Home Front The Cuban Missile Crisis had a significant impact on the United States public, causing a large shift in cultural mentality |

Oral Presentations: Session 1

10:15-11:30 am

Woods Cove B

| | |
|--|--|
| Naomi Cheney Crafton Hills College Mentor: Sefferino Ramos | Monster Theory in Film Analysis Researching the modern applications of Cohen's Seven Principals of Monster Theory through film analysis. |
| Olivia Miller MiraCosta College Mentor: Billy Gunn | Get Out of the Cabinet: The Evolution of Horror Films and its Widespread Popularity Considering Technology, Psychology, and Sociology in The Cabinet of Dr. Caligari and Get Out An analysis of horror movie tropes from the first horror movie ever made to 'Get Out', one of the most popular contemporary horror films. |
| Rosalyn Bejrswana Pasadena City College Mentor: Shane Underwood | How Romance in Film Inhibits Authenticity in Adolescent Relationships Based on George Gusdorf's conception of authenticity, this paper investigates ways in which romance in film can inhibit authenticity in real-world adolescent relationships. |

Woods Cove C

| | |
|---|---|
| Simra Mirza Norco College Mentor: Dan Reade | Female Muslim Indian Americans as a Discourse: Family Approval and Language Use This presentation explores how young female Muslim Indian Americans navigate family values and language in relation to mainstream American youth culture. |
| Kaitlyn Garcia East Los Angeles College Mentor: Nadine Bermudez | The Pursuits of Mexican Immigrant Children: The Development of First-Generation Children in the U.S. The United States provides many opportunities for immigrants. But the economic and familial challenges they often face can provoke mental health issues among first-generation children. |
| Brian Tong Citrus College Mentors: Jennifer Miller-Thayer and Areej Qasqas | Economic and Psychological Effects of Single Parent Household Structures in India This research consists of comprehensive analysis of the situation faced by Indian single parent families followed by appropriate anthropological solutions. |

Oral Presentations: Session 2

11:45 am-1:00 pm

| Doheny Beach A | |
|--|--|
| Angie Cristobal Crafton Hills College Mentor: Gary Williams | The Effect of Screen-time on Stress, Irritability, and Adolescent Cognition A look at the use of screen-time in the digital age and evaluation of the psychological effects it can have on adolescents and college students. |
| Dahlia Tarazi Irvine Valley College Mentor: Emily Liu | Time's (Tik)ing: A Deeper look Into TikTok's Effect on Gen Z's Attention Span Time's (Tik)ing: Despite TikTok supplying Gen Z with endless entertaining and relatable video content, excessive use leads to a shorter attention span and superficial thinking. |
| Rei Shindo El Camino College Mentor: Karl Striepe | An Analysis of The Dark Web: The Impact Tor Browser Has on a Culture of Censorship This project explores how anonymization technologies like Tor browser have influenced the flow of online information to justify why it should exist despite its flaws. |
| Jonathan Powers Pasadena City College Mentor: Shane Underwood | Canceling Authenticity: The True Cost of Censorship The inadvertent capacity for cancel culture to cultivate censorship reduces the societal propensity for authentic being through the reduction of discourse and distortion of opinion. |

Oral Presentations: Session 2

11:45 am-1:00 pm

Doheny Beach B

Rachel Abalos
Daenie Park
Irvine Valley College
Mentor: Emily Liu

The Need for More “Access” in Open-Access Institutions: Understanding the Equity Gaps and Intersectional Experiences of Community College Students with Disabilities
All students deserve a fair right to education. However, community colleges fail to secure this right for students with disabilities as inaccessibility and discrimination persist.

Shashi Balasubramanian
Caitlyn Kim
Andrew Dear
Maddie Jones
Irvine Valley College
Mentor: Celina Lee

Examining the Intersectional Needs of Socioeconomically Disadvantaged Students to Improve Student Success Rates in California Community College Distance Education Learning
To bridge the gap in student success rates between traditional face-to-face instruction and distance education learning, socioeconomically disadvantaged groups’ intersectional needs must be considered.

Emily Gomez
El Camino College
Mentor: Mora Mattern

Bridging the Gap for Latinx Students
This research explores factors contributing to the higher educational attainment gap for Latinx students, examining various disciplines and support programs to ensure continued success rates.

Oral Presentations: Session 2

11:45 am-1:00 pm

Doheny Beach C

| | |
|--|---|
| Alexandra Bautista Los Angeles City College Mentor: Danielle Muller | The Illiad and Greek Women in Times of War Despite the women in the Illiad not having prominent roles in the epic, their presence is a reflection of how war affected the female population. |
| Olivia Ferguson Long Beach City College Mentor: Jeff Wheeler | Shakespeare's Portent of Reproductive Rights: Examining the Poetry of the Omitted Woman The vanity-focused and conceited language of Shakespearean sonnets reveals a disconcerting pattern of silenced women who are neither seen nor heard by the intended reader. |
| Desiree Valdez Norco College Mentor: Michael Bobo | Seduction Through Scarcity: Analyzing Anti-Heroism in the Frame Narrative of Arabian Nights Through Islamic Interpretations This paper analyzes anti-heroism within Scheherazade's character from Arabian Nights, arguing that she uses seduction to embody the Islamic idea of altruism. |

Doheny Beach D

| | |
|---|---|
| Brandon Yoo Pasadena City College Mentor: Shane Underwood | Learning one's own language to understand others: A Philosophical Hermeneutic approach to language acquisition Philosophical self reflection enables interactive language learning in the independent use of algorithm based language learning programs. |
| Remi Akopians Glendale Community College Mentor: Michael Harnett | Identifying Tone: The Difficulties of Communicating through Text and the Benefits of Tone Indicators While colors do evoke specific emotions, research shows they do not adequately clarify tone in a written message because there is no agreed emotion consensus. |
| Maedeline Salazar El Camino College Mentor: Mora Mattern | Sound It Out: An Exploration of Declining Literacy in the United States This research explores the connection between illiteracy in the United States being directly correlated with racial and socioeconomic disparities garnered by US history. |

Oral Presentations: Session 2

11:45 am-1:00 pm

| Emerald Bay A | |
|--|--|
| Meghan Duzy MiraCosta College Mentor: Tina Walker | Endometriosis- A Chronic Female Reproductive Disorder This presentation discusses a female reproductive disorder known as Endometriosis. |
| Roxanne Gannon Los Angeles Pierce College Mentor: Shannon Devaney | A Legacy of Neglect in Women's Healthcare: A Review of Gender Bias in ED Pain Management This systematic review investigates the prevalence of gender bias in pain management in response to women's self-reports of neglect and misdiagnosis in healthcare. |
| Loni Cords Riverside City College Mentors: Daniel Hogan and Ronald Ruiz | Obesity and Psychological Disarray: Causes, Correlations, and Possible Alternatives A look at how medical, religious, and educational institutions, through their stigmatization of obesity, often exacerbate harms against obese individuals they often claim to help. |
| Sidney Puni Mt. San Jacinto College Mentor: Nick Reeves | Ethnicities and Disease Susceptibility: Native Hawaiians and Pacific Islanders Regarding Type-2 Diabetes Clinical trials on Native Hawaiians and Pacific Islanders regarding their genetic variants to Type-2 Diabetes will help identify the correlations between ethnicities and disease susceptibility. |

Oral Presentations: Session 2

11:45 am-1:00 pm

| Emerald Bay B | |
|--|---|
| Miriam Restrepo Amanda Dewell Brandi Castle Fullerton College Mentor: Spiridon Dimitratos | Evaluating the Selectivity of Pig-Albumin Polyclonal Antibody between Pork and Beef We sought out to evaluate whether a Pig Albumin Polyclonal Antibody was able to differentiate pork from beef. This Antibody was selective towards pork. |
| Adrian Zenteno MiraCosta College Mentor: Linnie Trzoss | Industrial Decaffeination: Processes and its Impacts A comprehensive view of industrial decaffeination processes and how they affect consumers. |
| Esther Oropeza Los Angeles Harbor College Mentor: Joachin Arias | A Scientific Perspective to Baking: Creating the Perfect Dessert Baking is a delicate process. The ingredients you choose, the mixing process, and oven temperature is the difference between a perfect or average dessert. |
| Alyssa Guzman Pasadena City College Mentor: Shane Underwood | Doping: Anything but Dope The use of performance-enhancing drugs in athletic competitions is a problem plaguing young athletes, with ramifications reach beyond a slap on the wrist by sports organizations. |

Oral Presentations: Session 2

11:45 am-1:00 pm

| Emerald Bay C | |
|--|---|
| Irvin Zarate Los Angeles City College Mentors: Can Aksoy and Sarah Crachiolo-Garcia | A Parasitic Virtual Society: An Examination of Addiction and Society in The Electric State Simon Stålenhag's The Electric State thematically illustrates how neurocasters, virtual reality headsets, parasitically consume the body to produce a virtual society inseparable from technology. |
| Linus Yeh El Camino College Mentor: Felipe Leon | Don't Strangle Your Siblings: Why Utilitarianism Mixed with Kantian Ethics Creates the Best Moral Philosophy After summarizing the three moral philosophies, the presentation will argue that the best moral philosophy is a mix between Utilitarianism and Kantian Ethics. |
| Artin Esfahani Saddleback College Mentor: Marni Fisher | Delivering Death: Capital Punishment's Questionable Roots and Causation This research paper aims to dive deeper into the death penalty and thoroughly investigate the legality and potential abolition of capital punishment. |
| Minhyeong Park El Camino College Mentor: Karl Striepe | What causes war and conflicts? Can we eliminate war? This research explores the main causes of the war and finds common causes to figure out a solution to prevent war |

Oral Presentations: Session 2

11:45 am-1:00 pm

Emerald Bay D

| | |
|--|---|
| Rachel Kanter Crafton Hills College Mentor: Sabrina Jimenez | “Holy Land”: The Impact of an Evangelical Christian Doctrine on U.S.-Israeli Relations This research focuses on the impact of an Evangelical doctrine on the United States' attitude toward Jewish people, and how that has affected U.S.-Israeli relations. |
| Ramces Duarte Victor Valley College Mentors: Bryce Campbell and Tim Adell | Comfort in Chaos: The deceptiveness of seeking religious figures for the Igbo and Europeans The demise of the methodical characters were met due to the strictly emphasized religious and cosmological structures enforced by their inconstant societies. |
| Keli Fisher Saddleback College Mentors: Pete Murray and Claire Cesareo | Environmentalism and Religion: Exploring How Environmentalist Values are Shaping Shintō's Role and Identity in the 21st Century A study exploring environmentalist Shintō and how its identity is a product of its pre-war and post-war history, environmentalist movements, and community outreach projects. |

Emerald Bay E

| | |
|---|--|
| Faizah Giwa El Camino College Mentor: Orion Teal | “What does it actually mean to be Black?” A discussion of racial identity within the Black community This project explores how various black ethnicities navigate life in the US and their relationship with racial identity, and the complexities of blackness. |
| Yadeal Asfaw Los Angeles Pierce College Mentor: Christine Ersig-Marcus | The relationship between African American hair and perceived professionalism This research explores factors that contribute to the perception that Black aesthetics are unprofessional and asks whether the education system contributes to this view. |
| Deema Juma Saddleback College Mentor: Erica Vogel | Modern-Day Segregation: Environmental Racism's Impact on Black Americans This research examines the disproportionate health impacts marginalized communities face from the environmental crisis and highlights how these communities are fighting for justice. |
| Ajay Jose Moreno Valley College Mentor: James Bany | Black Exceptionalism: The Double-Sided Coin and its Effects on Deportation Black exceptionalism and its effects on the racial treatment of African Americans, First and Second-Generation black immigrants and black refugees in the United States. |

Oral Presentations: Session 2

11:45 am-1:00 pm

Moss Cove A

| | |
|--|--|
| Nathaniel Albano Saddleback College Mentor: Margot Lovett | Spain's Sistema de Castas: Colonial Dreams of Control and Racial Order The Spanish colonial casta system was a convoluted set of constructed ideas about race often expressed in paintings and manipulated by the groups it oppressed. |
| Connor McVicker Saddleback College Mentor: Margot Lovett | God in Service to Columbus and Las Casas in Defense of Christianity: Using Christianity to Establish and Perpetuate Spanish Imperialism in the Americas Christopher Columbus and Bartolome de Las Casas acted as agents of Spanish imperialism and used Christianity as justification of their actions in the "New World". |
| Arielle Perez Saddleback College Mentor: Margot Lovett | Not Passive Victims but Survivors: How Aztec Women Prevailed in Society Before and After Spanish Conquest Spanish conquest caused the breakdown of the domestic sphere that women controlled and took power from Aztec women who resisted by manipulating submissive patriarchal expectations. |

Moss Cove B

| | |
|--|--|
| Nicholas Zucker MiraCosta College Mentors: Christopher Sleeper and Rob Bond | Sweet and Sour: Sugar's transformative role in Human history Sugar is the most transformative food ingredient in history and it was the economic, environmental and cultural engine of numerous ancient and early modern civilizations. |
| Michael De la Cruz San Bernardino Valley College Mentor: Byron Williams | Freedmen's Bureau Under Attack: An Attempt by White Southern Democratic Sympathizers to Redeem the Lost Cause The Freedmen's Bureau was tasked with helping former slaves, however, White Southern Democratic sympathizers would attack the bureau using violence and legal attacks. |
| Geovanna Gomez Citrus College Mentor: Brian Waddington | Shifting Ideologies: The question of statehood for Arizona and New Mexico in a Progressive Era The long contentious battle over the question of Arizona and New Mexico statehood, reveals early identity struggles with nationalism, expansionism, and imperialism in the U.S. |
| Catherine Martinez Mt. San Antonio College Mentor: William Jones | United Against the Establishment: An Examination of Populist Movements in 20th and 21st Century Europe and America Populism is the means by which the Trump campaign and the Bolshevik Revolution were successful. But, how could the political left and right be similar? |

Oral Presentations: Session 2

11:45 am-1:00 pm

Pacific Ballroom B

Natalie Reyes

College of the Canyons
Mentor: Adam Kaminsky

AI Technology in Fast Fashion

AI technology is being introduced as an innovative solution to the global waste caused primarily by the fast fashion industry.

Marwa Mustafa

Chaffey College
Mentor: Julie Song

India & China's Population Control Policies

This project compares the development and impacts of China and India's population control policies.

Mathew Villegas

Pasadena City College
Mentor: Shane Underwood

How does global tourism to Israel and Palestine interact with ongoing Israeli colonialism?

Israeli colonization impacts the overall growth of the Palestinian economy and its cultural presence, challenging the lives of Palestinians in the tourism sector.

Julio Gonzalez

Mt. San Antonio College
Mentor: John Norvell

The Nuances of Indigenous Adaptation for Survival in a Post Covid Society

Indigenous communities in Colombia have withstood attempts at genocide over the last hundred years. The tools they developed have helped them survive the COVID pandemic.

Oral Presentations: Session 2

11:45 am-1:00 pm

| Woods Cove A | |
|--|---|
| Madeline De La Torre Fullerton College Mentor: Jodi Balma | A Scholar with a Hunger Struggle: An Analysis on Nutrition at Fullerton College's Dining Hall Analyzing the lack of options for those with dietary needs and allergies at the dining hall at Fullerton College. |
| Josue Vazquez-Manriquez Chaffey College Mentor: Julie Song | Framing Stigmas on Food Assistance Programs at Chaffey College Campus and Student Suggested-Solutions This project explores how social stigmas around student aid can hinder college students from accessing vital resources that can foster their academic success. |
| Anna Hinrichsen Los Angeles City College Mentor: Evan Kendall | Overcoming Barriers to Higher Education: A Case Study of Housing Insecure Community College Students at Los Angeles City College during the COVID-19 Pandemic Employing a multimedia approach, research and film, we shed light on the struggles LACC students face and the impact these challenges have on academic success. |
| Diego Garcia Lopez Irvine Valley College Mentor: Virginia Shank | The OC Bus Is an Imperfect Transport System for Irvine Valley College Students: An Exploration of College-Based Solutions to Increase Accessibility The OC Bus displays large failings when serving its student riders. This research project attempts to offer solutions to the accessibility problems it poses. |

Oral Presentations: Session 2

11:45 am-1:00 pm

Woods Cove B

| | |
|--|---|
| Ebony McCoy San Bernardino Valley College Mentor: Anthony Blacksher | Inland Empire versus the Health Care System The inland Empire has 4.3 million people of different racial backgrounds and lack of adequate healthcare has resulted in sickness and death in these communities. |
| Karen Miranda San Bernardino Valley College Mentor: Edward Gomez | “Oh No You Didn’t”: The Need for Proper Bedside Manner Training for Healthcare Healthcare professionals obtain specialized training in their field of practice but not on proper bedside manner which interferes with providing the best patient care possible. |
| Esperanza Madrigal Los Angeles Harbor College Mentor: Joachin Arias | Artificial Intelligence Approach in Detecting Type 2 Diabetes With AI detection, type 2 diabetes may be able to be identified much sooner, allowing for improved self- management and preventing pre-diabetes from becoming diabetes. |
| Souzen Khan Irvine Valley College Mentor: Emily Liu | A Lack of Regulation and Control: The Case of Algorithmic Bias in Healthcare AI With healthcare AI being in the jurisdiction of large companies, algorithmic bias is a prevailing problem caused by a lack of regulation and corporate greed. |

Oral Presentations: Session 2

11:45 am-1:00 pm

| Woods Cove C | |
|--|---|
| Pau Brunet Fuertes Los Angeles City College Mentor: Christina Heisser | Hair Fairies and Drag Queens: An Early Transgender and Queer Historical Research in San Francisco's Tenderloin District This research offers historical radiography around early queer and transgender movements in San Francisco and challenges the normative perspective around the pre-Stonewall LGBT movements (1965-1970). |
| Sydney Wade Los Angeles Harbor College Mentor: Joachin Arias | Barbie Versus Hot Wheels: How Gendered Toys Develop an Understanding of Gender Identity as an Adult The hypothetical connection between children's toys and how individuals perceive their own gender is discussed with relevance to collected data. |
| Morgan Lee Pasadena City College Mentor: Shane Underwood | A "Fix" For Intersex Identities: Gender Assignment Surgery On Infants Gender assignment surgeries are performed on intersex infants in seek of normalcy and categorization in the male and female binary. |
| Jeon Park El Camino College Mentor: Kevin Degnan | The Persisting Pay Gap: Why are women still being paid less despite being more educated than men? What specific instruments of sexism are causing the gender pay gap? Level and focus of education and compensation disclosure will be explored as possible causes. |

Oral Presentations: Session 3

2:15-3:30 pm

Doheny Beach A

| | |
|---|---|
| Donna Arteaga Alvarez San Bernardino Valley College Mentor: Joel Lamore | Shifting Focus: A Need for Studies of Idiopathic Nightmares The focus on Post-Traumatic Stress Disorder (PTSD) as main cause of nightmares disorders has left other causes without research or treatment options. |
| Matthew Vardanyan Brandon Jasinski Los Angeles Pierce College Mentor: Christine Ersig-Marcus | Why are elementary schoolchildren committing suicide an increasing rates? Children are committing suicide at an increasing rate. Only nature and nurture combined offer explanations for observable suicidal tendencies in schoolchildren. |
| Vicente Bremner Pasadena City College Mentor: Amy Coren | Under Pressure: Identifying persistent stress within paramedic groups Increasing exposure to work-related stressors is leading to higher rates of burn-out and demoralization among paramedics, directly impacting the broader emergency medical service (EMS) community. |

Doheny Beach B

| | |
|---|---|
| Sean Michael DeCastro Mt. San Jacinto College Mentor: Nick Reeves | The Double-Edged Sword of Neanderthal DNA Through the inheritance of the once beneficial traits of Neanderthals, deleterious consequences are now associated with them. These consequences stem from environmental and lifestyle changes. |
| Alexa Sen Pasadena City Mentor: Elisabeth Choate-Ciletti | A Plague of Biblical Proportions: the Role of Original Antigenic Sin in Age-Related Mortality during the 1918 Spanish Flu Pandemic Original Antigenic Sin, the immune system's preference for memory-derived over novel response, killed many young people during the 1918 pandemic, and could do so again. |
| Arman Meysami Tabriz Irvine Valley College Mentors: William Spinella and Keith Donavan | 3D Bioprinting: Synthetic Arms Made of Cells In this presentation a possible model will be presented to print an arm with a focus on its neural network |

Oral Presentations: Session 3

2:15-3:30 pm

Doheny Beach C

Daniel Kuznetsov

Long Beach City College
Mentor: Geetha Rajaram

Racial Diversity and Political Donations

The focus of this research was to prove that the diverse racial makeup of communities affects the polarity of political affiliations

Daniel Candia

Pasadena City College
Mentor: Shane Underwood

Humanizing Public Opinion Polls

Many politics' current flaws extend beyond one policy issue. Rather, reliance on opinion polls are to blame for a lack of critical engagement with politics.

Danyal Akhavan

Saddleback College
Mentor: Tina Jenkins

Neurological, Physiological, and Behavioral Differences Between Individuals of Different Ideologies and their Effect on Worsening Partisanship

This presentation explores the neuropsychological and behavioral differences between liberals and conservatives and the role those differences play on worsening partisanship.

Serina Mummert

Citrus College
Mentor: Jennifer Miller-Thayer

Young Voter Engagement and What It Means for America

This work discusses the lack of young voter engagement in the United States, cultural factors of causation, and anthropological solutions to bridge age-related voting gaps.

Doheny Beach D

Inaya Kamal

Norco College
Mentor: Michael Bobo

Spirituality and the Prohibition of Idolatry: Islamic Calligraphy and Illumination in the Middle Ages

Islamic Art is intertwined with religious principles, most evident in the lack of living beings seen in Quranic calligraphy and illuminations.

Lily Mihailovic

El Camino College
Mentor: Lucy Alamillo

The Next Generation: Cross-Referencing Symbolism between Salvador Dali and Giselle Mariel Ibarra

Ibarra's work demonstrates how the stylistic techniques of hyperrealism and Surrealist symbolism emphasize the concept of time and the beautiful but painful process of healing.

Maximus Silva

Pasadena City College
Mentor: Shane Underwood

More Than A Pretty Picture: The Contemporary Art World Vs. Authenticity

This paper examines how a postmodern art market has encouraged artists to act against their own creative authenticity.

Oral Presentations: Session 3

2:15-3:30 pm

Emerald Bay A

| | |
|--|--|
| Evan Tan Pasadena City College Mentor: Shane Underwood | Another Possible Cause of Declining Birth Rates: Living Authentically with a 2-D Girlfriend Dating simulators are an excellent escape from stress for many but have also inhibited authenticity, changing their players' perceptions of romantic relationships between actual humans. |
| Gisselle Flamenco Riverside City College Mentor: Alex Gilbert | Aversion and Attraction: Analyzing the Paradoxical Relationship Between Foil Characters in On Earth We're Briefly Gorgeous by Ocean Vuong Examining the intersections between post-colonial theory and queer theory by specifically noting the racial power dynamics within queer relationships in Ocean Vuong's 2019 novel. |
| Jose Ortiz Los Angeles Harbor College Mentor: Joachin Arias | The Migration of Queer Individuals - Metronormativity Can queer people thrive only in the coastal, urban, areas of the United States? Their movements out of small cities perpetuates homophobia in their communities. |

Emerald Bay B

| | |
|--|---|
| Jace Dominguez Riverside City College Mentor: Kathleen Sell | Hated Salvation: An Analysis of John Milton & Contemporary Populism A nonpartisan analysis of how John Milton's Paradise Lost pioneers an exploration into the social mechanisms that fuel both historical and contemporary political populism. |
| Giavanna Foster West Los Angeles College Mentors: Holly Bailey-Hofmann and Stella Setka | The Wings of Honesty: Cultural Hybridity in R.K. Narayan's "Like the Sun" This essay will examine the perceptual connection in R.K. Narayan's "Like the Sun" between Indian culture, psychology, and Sekhar's relationship with the concept of honesty. |
| Laura Espinoza Los Angeles City College Mentor: Danielle Muller | "Popol Vuh": The Story of Many in One An exquisite and mysterious piece of human history, "Popol Vuh" is the Quiché-Maya creation story. |

Oral Presentations: Session 3

2:15-3:30 pm

| Emerald Bay C | |
|--|--|
| April Flores San Bernardino Valley College Mentor: Melissa King | Misconceptions of Hunting in a Modern World Examining symbols and rituals of hunting can change negative views of modern hunting. |
| Alex Chung Elizabeth Chou Pasadena City College Mentor: Casey Jones | Partners in Crime: Fighting Homelessness Through a Group-Centered Approach Limitations regarding current structures implemented to combat homelessness give way to exploring a peer-based approach that revolutionizes the quality and quantity of service provided. |
| Avery Price Saddleback College Mentor: Marni Fisher | Savior or Destroyer? Examining the Impact of Casinos on Local Communities This research study examines how casinos have both positive and negative impacts on their local communities, identifying influences on economics, mental health, and crime. |
| Erica Bennett El Camino College Mentor: Rachel Williams and Tanja Carter | "Are We Really Happy?" An Analysis of the Flaws of Gross Domestic Product This project explores the correlation between the United States' Gross Domestic Product and Gross National Happiness, searching for the best method of measuring citizens' well-being. |

Oral Presentations: Session 3

2:15-3:30 pm

Emerald Bay D

| | |
|--|---|
| Stacy Giu Pasadena City College Mentors: Susie Ling and Rebecca Johannsen | The Balancing Act of Social Recovery from an Economic Crisis: The Asian Financial Crisis The Asian Financial crisis of 1997 which inflamed global market turmoil and economic meltdown renders Asian social progress under continuing strain despite economic recovery. |
| Kendra O'Neal Long Beach City College Mentor: Geetha Rajaram | Regression Analysis on Home Ownership Rates: the effects of home price and median income over 50 Years This research paper is a regression analysis on the steady decline in the affordability of housing over the past 50 years in the United States. |
| Linh Tran Pasadena City College Mentor: Charles Vorsanger | Consumers' Psychological Influence on the Economic Prosperity Consumer Confidence Index (CCI) correlates with financial stability in real values within households, as consumers' mentalities play a large role in economic prosperity. |
| Manuel Ceci MiraCosta College Mentor: Suganya Sankaranarayanan | Tourism Troubles: An analysis of global hotelier Hyatt's experience in the Covid pandemic The Hyatt Hotel Corporation had to change its workforce development, investment, and acquisition strategies due to the competitive challenges caused by the Covid Pandemic. |

Oral Presentations: Session 3

2:15-3:30 pm

| Emerald Bay E | |
|--|---|
| Martin Pierro Orange Coast College Mentor: Jason Ball | Fostering Democratic Tendencies through Curriculum This research interrogates the discourse of academic curriculum from two critical perspectives to foster particular notions of democratic morality and participation. |
| Hannah Le Irvine Valley College Mentor: Kurt Meyer | To Protect or Reject? The Troubling Impacts of Prop 209 on University of California Minority Applicants California's 1996 Prop 209 affirmative action ban in college admissions backfires on minoritized students, serving as a reminder that colleges aren't ready to go "race-neutral". |
| Emma Manetta Long Beach City College Mentor: Ama Boakyewa | The Indigenous Experience in Higher Education Indigenous students are disengaged by non-native educators and peers who ignore their presence in shared academic spaces, deepening their struggle to persist in higher education. |
| Perla Valencia East Los Angeles College Mentor: Nadine Bermudez | Community Engagement & Belonging: A Minority Within "Minorities" This case study examines feelings of community engagement, identification, and belonging among a non-Chicano student in a highly Latino-populated campus. |

Oral Presentations: Session 3

2:15-3:30 pm

Moss Cove A

| | |
|--|---|
| Tuojin Yin Pasadena City College Mentor: Maria Okounkova | Testing Kepler's Third Law Using Data of Asteroids in the Solar System Linear regression analysis of orbital data of asteroids in the Solar system with Python validates Kepler's Third Law and Newton's law of gravity. |
| Bernardo Moreno Orange Coast College Mentor: Michael Bialecki | Visually Directed Protocol for hiPSC-CMs Differentiation This presentation examines the current advancements in cardiovascular stem cell research alongside a model, and how these translate into the clinical setting. |
| Alperen Yilgin Irvine Valley College Mentor: Steven Nguyen | Water Soluble Patterning of protein hydrogels on platinum surface using Poly Acrylic Acid This study describes the methods of depositing PAA layer on platinum slide, which mimics microchip surface, and lifting it off later. |

Moss Cove B

| | |
|---|--|
| Moises Santana Cervantes San Bernardino Valley College Mentor: Anthony Blacksher | Beware the Warehouses: The Racial Capitalism of the Inland Empire's Warehouse Boom The growing warehouse presence in the Inland Empire threatens the wellbeing of low-income communities and people of color and will require intervention from local leadership. |
| May Kyi Thinn Irvine Valley College Mentor: Emily Liu | Save COVID-19 Scapegoats: The Time Is Now for an Accurate Report on Anti-Asian Hate Crimes Inaccurate figures and underreported data on Anti-Asian hate crimes have diminished the needed attention and un-forestalled for further brutality. |
| Sean Choo El Camino College Mentor: Tom Cody | The Myth of the Chinese Restaurant Syndrome: How Anti-Chinese Sentiment and Confusion Led to MSG Avoidance Despite the lack of scientific support, many Americans believe that MSG is dangerous for consumption. This presentation explores the factors contributing to such misconceptions. |
| Wesley Chou Irvine Valley College Mentors: Alex Weil and Emily Liu | Artificial Intelligence and Discrimination: Emergence, Risks, and Remedies Artificial intelligence can solve some of society's greatest challenges but can also discriminate against marginalized communities, ultimately exacerbating existing social inequalities. |

Oral Presentations: Session 3

2:15-3:30 pm

Pacific Ballroom B

| | |
|--|---|
| Emmanuel Ogunleye El Camino College Mentor: Stephanie Burnham | Bots n' Malware: The Dangers Behind Malicious Bots In order to harm computer systems, malware and botnets have evolved. This has led to ransomware, which compromises user privacy and security on their computer |
| Rita Awad Chaffey College Mentor: Julie Song | Problems With Cash Bail This project explores the inequalities of bail in our justice system, and the steps we must take to gravitate away from these inequalities. |
| Maya Hwang Los Angeles Pierce College Mentor: Erin Hayes | Exploring the Role of Language in Crime This presentation explores applications of Forensic Linguistics, and considers the Derek Bentley trial as an example of the difficulty of determining criminal intent through language. |
| Alexia Gallon Irvine Valley College Mentor: Emily Liu | The Invisible Terminator: The Eternal Loop of Algorithmic Bias in the Criminal Justice System This research project turns a critical eye to the biases present in artificial intelligence (AI) applied to the U.S. law enforcement and criminal justice system. |

Oral Presentations: Session 3

2:15-3:30 pm

| Woods Cove A | |
|--|---|
| Nicholas Lavis Mt. San Jacinto College Mentor: Erik Ozolins | The Echo of Ancient Rhythms: An Ethnomusicological Analysis of Prehistoric Music Applied to Modern Fusion Genres This research explores the revitalization of prehistoric musical traditions through contemporary artists like Mongolian metal band The HU and Cheyenne/Blackfoot punk band 1876. |
| Valerie Naing Mt. San Antonio College Mentor: Joshua London | Songs of Solidarity: The Appalachian Labor Movements Told through Music As a result of the fierce battles that Appalachian coal miners waged against coal companies, a rich legacy of protest music has been left behind. |
| Sid Solaiyappan Angeleia Do Ruth Castillo Ranjana Ravishankar Irvine Valley College Mentors: Dewayne Williams, Lassiter Speller, and Cameron R. Wiley | Utilizing Machine Learning algorithms trained on Recent Music-Listening Activity in Predicting Big Five Personality Traits: A Novel On-going Investigation Artificial Intelligence and Spotify audio features of college demographic's "On Repeat" from the past week to derive personality traits for ad recommendation and music therapy. |
| Alyssandra Lachica Pasadena City College Mentor: Shane Underwood | Breaking the Classroom Barrier: A Dialectic Approach to Music Education The concert-as-curriculum approach to music education restricts students' musical innovation, whereas intersubjective discou |

Oral Presentations: Session 3

2:15-3:30 pm

Woods Cove B

| | |
|--|--|
| Naythan Chan MiraCosta College Mentor: Zika Perovic | The Meaning of Words: Word Vectorization and Singular Value Decomposition Word vectorization, the process of converting language into numbers, coupled with singular value decomposition allows us to understand words both numerically and concisely. |
| Anne Kelley MiraCosta College Mentor: Zika Perovic | Prime Time for Sieving: Quantifying the Distribution of Prime Numbers An exploration of the density of primes in Eratosthenes' Sieve and the infinitude of three types of prime numbers. |
| Kevin Hu MiraCosta College Mentor: Zika Perovic | Exploring Kajiya's Rendering Equation and its Applications A discussion of the application of Kajiya's Rendering Equation in ray tracing methods used in modern CGI, video games, and more. |

Woods Cove C

| | |
|--|---|
| Ariana Johnson Andrew Vierling MiraCosta College Mentor: Maria Figueroa | The Banking concept of education An analysis of Paulo Freier's banking concept of education asks us to consider whether there is a correct way to educate students. |
| Alanna Vescovi Saddleback College Mentor: Marni Fisher | Those Left Behind: The Structural Barriers in Gifted Education Contemporary gifted education is inconducive to the success of minority students. In order to rectify this inequality, foundational changes must be made. |
| Haley Fetchik Mt. San Antonio College Mentor: Janice Willis | Perfect Classrooms Produce Perfect Learning: Elementary Classroom Design and Children's Cognitive Development Elementary classroom design has a seminal impact on children's cognitive development, and when properly constructed, forms personalized connections to curriculum that fosters productive learning. |
| Mia Noergaard Saddleback College Mentor: Ryan Hitch | How to Save a Life: The Prevention of Mass Shootings Through the Identification and Reporting of Behavioral and Psychological Patterns This presentation explores the prevention of mass shootings in K-12 schools through the identification and reporting of behavioral and psychological patterns. |

Closing Plenary Session / Awards

3:40-4:30 pm

Pacific Ballroom CD

HTCC Director's Award

Every year, the Director's Award is presented to a former honors program leader that HTCC recognizes for their contributions to community college honors education. The recipient of the Director's Award announces the first-place winner among the Outstanding Abstract Awards. This year's Director's Award goes to Joseph Holliday, Professor Emeritus of Geology from El Camino College.

Joseph Holliday, El Camino College

Joseph Holliday is a Professor Emeritus of Geology from El Camino College, where he also served as Director of the Honors Transfer Program. Joe earned his BS degrees in Biology and Geology from Hamilton College, his MS in Geology from Oregon State University, and his MA in Education Administration from California State University. In 1992, Joe left a career in the oil industry to become a professor at El Camino College. Joe served as a professor in the Earth Science Department for 28 years, during which time he was also faculty advisor to several clubs, including the Science Club, the Native American Club, the LGBTQ Club, and the Honors Transfer Club. He won the El Camino's Distinguished Faculty Award in 2005. Joe's biggest legacy at El Camino, however, is the contribution he made to the college as Director of the Honors Transfer Program, a role he filled from 1994-2020. During that time, Joe oversaw the expansion of the program, from about 200 students to over 700. Beginning in 2010, he also implemented the co-director model of running the Honors Transfer Program, an arrangement that the college has since institutionalized. Joe also served on the UCLA Transfer Alliance Program Advisory Board for many years and presented numerous times at the National Collegiate Honors Council annual conference. He was a member of the Honors Transfer Council of California for 15 years, serving as HTCC president from 2007-2009. Now retired from El Camino College, Joe works for National Geographic, traveling to Antarctica, the Arctic Ocean, South America, and Iceland as a naturalist and guest speaker.



Closing Plenary Session / Awards

3:40-4:30 pm

Pacific Ballroom CD

HTCC Director's Award

The Honors Transfer Council of California will recognize the top research posters with an award accompanied by a cash prize. Posters will be judged on visual presentation, creativity, originality and reflection of sound scholarship. First, second, and third-place awards will be given for research posters in each of two categories, based on discipline.

Outstanding Abstract Awards

These awards are conferred by the HTCC to four or more students who have submitted top-rated abstracts describing their conference presentation. The abstracts are judged on organization, quality of writing, and originality and importance of the research. The most highly ranked Outstanding Abstract earns the HTCC Directors Award.

The Directors Award

The Honors Transfer Council of California awards its Directors Award annually to the student who has submitted the finest presentation abstract and has been judged as exemplifying the qualities of an outstanding honors student. The Directors Award is presented by a former honors program leader that HTCC recognizes for their contributions to community college honors education.

Exemplary Achievement Scholarships

The Honors Transfer Council of California gives awards to students graduating this year who show extraordinary achievement in scholarship, especially related to performance in an honors program. Students must be nominated by their honors director. These students display exceptional perseverance in overcoming obstacles to success in college or in an honors program. They have given outstanding service to their college or community or distinguished themselves as leaders in cultural or athletic activities. Finally, their application essays reveal a high quality of thought and expression.

Juan Lara Memorial Scholarship

Dr. Juan Lara created a scholarship to give special honor to a student who has overcome great financial, personal, cultural, or other obstacles to achieve significant success as an honors student. Candidates have been nominated by their honors directors for the Exemplary Achievement Scholarship. With this award, we also honor the memory of Juan Lara, former Assistant Vice Chancellor of UC Irvine, who was always a generous supporter of this conference and of our efforts to serve community college honors students. As an energetic and inspirational Director for the UCI Center for Educational Partnerships, Dr. Lara created opportunities for countless non-traditional students, leading them to seek – and attain – the highest success in their academic lives and career.

The Conference Publication: *Building Bridges*

Every year, the HTCC publishes its award-winning abstracts as well as others submitted for publication. Submissions can be made after the conference during the Spring semester. Contact Tim Adell at Tim.Adell@vvc.edu for information.

Final Thanks

We thank all of you who shared your research with us today! Thank you to our intrepid moderators, who made each session more welcoming and well managed. Thank you also to all students, faculty, and administrators who came to hear the best in community college research.

Faculty Mentors

Finally, join us in thanking the faculty who mentored all this research! The individuals below are some of the hardest-working, most dedicated faculty at the California community colleges.

| | |
|--|--|
| Brittany Adams, Irvine Valley College | Amy Coren, Pasadena City College |
| Tim Adell, Victor Valley College | Sarah Crachiolo-Garcia, Los Angeles City College |
| Can Aksoy, Los Angeles City College | Jennifer Czerniawski, Saddleback College |
| Zakaria Y. Al Balushi, Pasadena City College | Agnes Davies, El Camino College |
| Lucy Alamillo, El Camino College | Kevin Degnan, El Camino College |
| Joachin Arias, Los Angeles Harbor College | Shannon Devaney, Los Angeles Pierce College |
| Kristine Arquero, MiraCosta College | Hartrisha Dhindsa, Irvine Valley College |
| Holly Bailey-Hofmann, West Los Angeles College | Cheryl DiBartolo, Crafton Hills College |
| Jason Ball, Orange Coast College | Spiridon Dimitratos, Fullerton College |
| Jodi Balma, Fullerton College | Keith Donovan, Irvine Valley College |
| James Bany, Moreno Valley College | Christine Ersig-Marcus, Los Angeles Pierce College |
| Nadine Bermudez, East Los Angeles College | Maria Figueroa, MiraCosta College |
| Michael Bialecki, Orange Coast College | Marni Fisher, Saddleback College |
| Anthony Blacksher, San Bernardino Valley College | Suki Fisher, Saddleback College |
| Ama Boakyewa, Long Beach City College | Jennifer Floerke, Moreno Valley College |
| Michael Bobo, Norco College | David Fretz, Irvine Valley College |
| Rob Bond, MiraCosta College | Alex Gilbert, Riverside City College |
| Diane Brown, Orange Coast College | Barry Goldenberg, El Camino College |
| Stephanie Burnham, El Camino College | Edward Gomez, San Bernardino Valley College |
| Julian Camacho, Santa Ana College | Lori Gomez, Mt. San Antonio College |
| Bryce Campbell, Victor Valley College | Carrie Goulding, Irvine Valley College |
| Tanja Carter, El Camino College | Erin Gratz, Orange Coast College |
| Claire Cesareo, Saddleback College | Billy Gunn, MiraCosta College |
| Elisabeth Choate-Ciletti, Pasadena City College | Ayush Gupta, Pasadena City College |
| Tom Cody, El Camino College | Matthew Hacholski, El Camino College |

Faculty Mentors

Finally, join us in thanking the faculty who mentored all this research! The individuals below are some of the hardest-working, most dedicated faculty at the California community colleges.

Truc HaMai, Mt. San Jacinto College

Loni Hands, College of the Canyons

Michael Harnett, Glendale Community College

Erin Hayes, Los Angeles Pierce College

Jennifer Hedgecock, Saddleback College

Christina Heisser, Los Angeles City College

Amanda Henry, Santiago Canyon College

Julie Herold, Irvine Valley College

Amy Himsel, El Camino College

Ryan Hitch, Saddleback College

Lauren Hofschneider, Los Angeles City College

Daniel Hogan, Riverside City College

Bridget Hoida, Saddleback College

Lyman Hong, El Camino College

Richard Hughes III, Crafton Hills College

Tony Huntley, Saddleback College

Tina Jenkins, Saddleback College

Sabrina Jimenez, Crafton Hills College

Rebecca Johannsen, Pasadena City College

Lauren Johnson, Moreno Valley College

Casey Jones, Pasadena City College

William Jones, Mt. San Antonio College

Adam Kaminsky, College of the Canyons

Jefferey Kaufmann, Irvine Valley College

Tim Kelly, West Valley College

Evan Kendall, Los Angeles City College

Melissa King, San Bernardino Valley College

Misty Kolchakian, Mt. San Antonio College

Joel Lamore, San Bernardino Valley College

Celina Lee, Irvine Valley College

Sarah Leinen, El Camino College

Felipe Leon, El Camino College

Susie Ling, Pasadena City College

Emily Liu, Irvine Valley College

Chris Loeffler, Irvine Valley College

Joshua London, Mt. San Antonio College

Lewis Long, Irvine Valley College

Charis Louie, San Antonio College

Margot Lovett, Saddleback College

Mora Mattern, El Camino College

Darcie McClelland, El Camino College

Katheryn McGuthry, Fullerton College

Kurt Meyer, Irvine Valley College

Jennifer Miller-Thayer, Citrus College

Derek Milne, Pasadena City College

Danielle Muller, Los Angeles City College

Pete Murray, Saddleback College

Steven Nguyen, Irvine Valley College

Zahra Noroozi, Irvine Valley College

Maria Okounkova, Pasadena City College

Faculty Mentors

Finally, join us in thanking the faculty who mentored all this research! The individuals below are some of the hardest-working, most dedicated faculty at the California community colleges.

Guck Ooi, Cerro Coso Community College

Erik Ozolins, Mt. San Jacinto College

Stevan Pecic, Santiago Canyon College

Zika Perovic, MiraCosta College

Erica Peters, MiraCosta College

Diane Pfahler, Crafton Hills College

Lan Pham, Irvine Valley College

Areej Qasqas, Citrus College

Geetha Rajaram, Long Beach City College

Sefferino Ramos, Crafton Hills College

Dan Reade, Norco College

Nick Reeves, Mt. San Jacinto College

Michele Rousseau, Saddleback College

Jerry Rudmann, Irvine Valley College

Kathleen Sell, Riverside City College

Claudia Sellers, Cerro Coso Community College

Stella Setka, West Los Angeles College

Virginia Shank, Irvine Valley College

Abby Sirulnik, Saddleback College

Christopher Sleeper, MiraCosta College

Julie Song, Chaffey College

Lassiter Speller, Eastern New Mexico University

Karl Striepe, El Camino College

Anthony Szczurek, Saddleback College

Orion Teal, El Camino College

Jodi Titus, Irvine Valley College

Lynnie Trzoss, MiraCosta College

Shane Underwood, Pasadena City College

Erica Vogel, Saddleback College

Brian Waddington, Citrus College

Tina Walker, MiraCosta College

Angelina Warner, Mt. San Jacinto College

Alex Weil, Irvine Valley College

Joanna Werner-Fraczek, Moreno Valley College

Jess Whalen, Mt. San Jacinto College

Jeff Wheeler, Long Beach City College

Karen Whitney, El Camino College

Cameron R. Wiley, UC Irvine

Byron Williams, San Bernardino Valley College

Dwayne Williams, UC Irvine

Gary Williams, Crafton Hills College

Rachel Williams, El Camino College

Janice Willis, Mt. San Antonio College

Kassia Wosick, El Camino College