

GRADUATE RESEARCH CONFERENCE



November 7, 2016 | 4-7pm | USU Ballrooms
Hosted by the Graduate Studies Resource Center

CALIFORNIA STATE UNIVERSITY
LONG BEACH

EVENT SCHEDULE

4 - 4:50PM: Welcome

Keynote Speaker – Tyrone Howard, PhD

5 - 5:50PM: SESSION A

Panel Presentations: USU 205 & USU 304

Poster Presentations: USU Ballrooms

Roundtable Sessions: USU 253 (Alamitos Bay)

6 - 6:50PM: SESSION B

Panel Presentations: USU 205 & USU 304

Poster Presentations: USU Ballrooms

Roundtable Sessions: USU 253 (Alamitos Bay)

KEYNOTE SPEAKER

Time: 4-4:50PM

Location: USU Ballrooms

The CSULB Graduate Research Conference features distinguished keynote speaker **Tyrone Howard, Ph.D.**, Professor of Education at UCLA. Dr. Howard also serves as the Faculty Director of UCLA Center X and Director of the Black Male Institute.

Dr. Howard's keynote, "Race, Research, Rigor & Relevance: Scholarly Inquiry in the Current Context" will address the ongoing salience of race and racism in the United States, and what it means for scholars engaging in such inquiry. The address will discuss the changing demographics, the continued disenfranchisement of racially diverse populations, and how research can play a role in perpetuating or disrupting current realities.



PANEL PRESENTATIONS

SESSION A: 5-5:50PM

USU Room 205

Panel Discussant: Nancy Hall, PhD

Dylan Andersen

College of Liberal Arts - Linguistics

The Explicit Instruction of Discourse Markers

Sarah Ottone

College of Health and Human Services -
Criminology & Criminal Justice

*An Observational Examination of Factors
Influencing Imposition of Bail*

Todd Wallenius

College of Education - Curriculum and
Instruction

*Understanding Perceptions among Educators
in Nepal*

PANEL PRESENTATIONS

SESSION A: 5-5:50PM

USU Room 304

Panel Discussant: Babette Benken, PhD

Joshua Casper

College of Liberal Arts - Political Science

*A Study of the Effects of Female Candidates
on Voter Turnout*

Megan Jeffreys

College of Liberal Arts – History

*To Defy or Endure: The Cultural Implications
of Sexual Abuse on Slave Women*

Charles White

College of Liberal Arts - English

*Virtue as a Game of Appearances in
Charlotte Lennox's Henrietta*

POSTER PRESENTATIONS

SESSION A: 5-5:50PM

USU Ballrooms

COLLEGE OF ENGINEERING

Andrew Dinh, Chemical Engineering

*Study of Graphene Oxide Alternatives for Li/S
Batteries*

Raja Kalavacherla & Karan Sautbine,

Chemical Engineering

*Alloying Noble Metals to Improve Catalyst
Performance In PEMFC's*

Suchen Zhou & Nathanael Dunham,

Chemical Engineering

*Effect of Electrolytes in the Development of
Lithium-Sulfur Batteries*

Rashmi Subbaramaiah & Indraneel

Bavkar, Electrical Engineering

*Decision Tree Based Algorithm for
Classification of Vehicles*

Anthony Ong, Mechanical Engineering

*Minimizing Stress Wave Propagation on a
Long Slender Rod Attached to a Beam*

Jui Desai, Computer Science

*Cardiac Countermeasure: A Tool to Check
Your Cardiac Arrest Chances*

Juan Gonzalez, Aerospace Engineering

*Spacecraft Formation Control: Application of
a PID and RBFN Controller*

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Walter Alvarado, Physics

*Computational Study of butyrylcholinesterase
Inhibition by DAPP derivatives*

Brendan Chan, Physics

*A Parametrized Description of Josephson
Junctions*

POSTER PRESENTATIONS

SESSION A: 5-5:50PM

USU Ballrooms

Yonas Getachew, Physics
Including More Realistic Effects in the FQH States of Graphene

Zack Hall, Physics
General Relativistic Non-Radial Oscillations of Compact Stars

Mariyeh Mafi, Physics
Magnetic Properties of Iron - Manganese Phthalocyanine Heterojunctions

David Rosser, Physics
Electronic Transport in Sodium Iridate Thin Crystals

Leslie Davis, Applied Physics
Oxidation Effects on the Magnetic Properties of Iron (II) Phthalocyanine

Josh Fernandes, Physics and Astronomy
Physical and Chemical Properties of Jupiter's Polar Vortices

Kelsey Doiron, Geology
Use of Compound-Specific Isotope Analysis for Tropical Paleoclimatology

Omar Becerra, Chemistry
Properties of Dinitrosyl Iron Complexes with Bis(Phosphine) Ligands

Ting-An Chen, Chemistry
Selective Hydrogenation of Dienes Using Palladium Nanoparticle Catalysts

Anh Hong, Chemistry
Novel Metal Organic Frameworks through Tetrameric Magnesium Clusters

Jing Jin, Chemistry
Homochiral Frameworks Directed By Polycyclic Aromatic Hydrocarbons

Kriti Shah, Chemistry and Biochemistry
Importance of Lysine of apoLpIII in Binding to phosphatidylglycerol Membrane

Ayoade Nathaniel Alade, Biochemistry
Uncovering the Catalytic Role of an Active Site Residue in Ribonuclease A

Jean-Paul Urenda, Cell and Molecular Biology
The Role of the WRKY75 Transcription Factor During Leaf Senescence

Thomas Kroupa, Biology
Thermal Defense Strategy Determines Limpet Response to Acute Thermal Stress

Kaitlin Morgan, Biology
*Effect of Antimannan IgG Subclass Variants & Complement against *C. albicans**

Kimberly Fisher, Biology
*Antipredator Defenses in Striped Skunks (*Mephitis mephitis*)*

Adam Peters, Microbiology
Influence of Antimannan IgA on IgG Mediated Complement Activation

COLLEGE OF HEALTH AND HUMAN SERVICES

Ly-An Dao, Nursing Science
Routine Versus Clinically Indicated Replacement of Peripheral Catheters

Brian Barrett, Marie O'Leary, Vennila Krishnan, Physical Therapy
Effect of Gait Training with Biofeedback on Individuals with Chronic Stroke

Kaela Kawana & Cassidy Trimm, Physical Therapy
Gait Training to Improve Symmetry in Chronic Stroke with Auditory Feedback

Karlee Burns & Macenzie Pierson, Kinesiology
Relationship Between Hip Strength, Range of Motion, and Low Back Pain

POSTER PRESENTATIONS

SESSION A: 5-5:50PM
USU Ballrooms

Rena Jackson, Kinesiology
Neuromuscular Activation and Force During Maximal Rowing

Jaklen Keshishyan, Public Health
Student Utilization of DSS, and its Impact on Graduation Rates

Sheena Cruz, Public Health
Racial/Ethnic and Gender Differences in Prescription Stimulant Misuse

Stephanie Sumstine, Public Health
Racial/Ethnic Variation in Mental Health Correlates of Substance Use

ROUNDTABLE SESSIONS

SESSION A: 5-5:50PM
USU Room 253 (Alamitos Bay)

TABLE 1

Chair: Anna Ortiz, PhD

Elizabeth Estevez
College of Education - Social & Cultural Analysis of Education
Redefining Success and Achievement for Non-Completer Latina/o Students

Dolores Lopez
College of Education - Social & Cultural Analysis of Education
5th & 6th Grade Latina/o Students and Microaggression Experiences

Ruby Osoria
College of Education - Social & Cultural Analysis of Education
Mexican Immigrant Mothers and the Development of Funds of Knowledge

Leslie Jimenez
College of Education - Educational Leadership
Mind, Heart, Spirit: An Indigenous Journey Towards Liberation

Whitney Young
College of Education - Student Development in Higher Education
First-Generation Undergraduate Researchers: Motivations and Barriers

Lauren-Michelle Hardge
College of Education - Social & Cultural Analysis of Education
Exploring Social Institutions: Family and African American Foster Youth

TABLE 2

Chair: Shametrice Davis, PhD

Melissa Mahoney
College of Education - Student Development in Higher Education
African Americans in STEM: Moving Toward and Anti-Deficit Perspective

Ariella Bradley
College of Education - Student Development in Higher Education
The Problem of the Color Line

Hayarpi Nersisyan
College of Education - Student Development in Higher Education
Exploring Armenian American Student Perceptions of College Campus Climate

Miriam Delgado
College of Education - Social & Cultural Analysis of Education
The Experiences of DACAmented Students Studying Abroad

Valerie Gomez
College of Education - Student Development in Higher Education
Undocumented College Students: Challenging Anti-Immigrant Discourses

ROUNDTABLE SESSIONS

SESSION A: 5-5:50PM
USU Room 253 (Alamitos Bay)

TABLE 3

Chair: Karen Quintiliani, PhD

Hannah Zucherman

College of Liberal Arts - Geography
Gender, Space and Age in the 2014 Scottish Independence Vote

Alexea Howard

College of Liberal Arts - Anthropology
Teaching, Learning, and Maintaining Anorexia as a Means of Agency

Michelle Wilson

College of Health and Human Services - Social Work
Learning Through Life History Project: Older Adulthood

TABLE 4

Chair: Rigo Rodriguez, PhD

Amy Kaeser

College of the Arts - Art History/Curatorial Studies
Artists Mary Kelly and Mirele Laderman Ukeles Keep the Home Fires Burning

Savanna Castillo

College of Liberal Arts - Communication Studies
A Pentadic Analysis of Hegemonic Discourse in The Walking Dead

Liangyu Zhang-Moran

College of Liberal Arts - Asia Studies
The Lost Generation: My Experience During the Cultural Revolution

TABLE 5

Chair: Charles Wallis, PhD

Brittany Radine

College of Liberal Arts - English Literature
The Bryght Functions of Words in Medieval Literature

Ryan Shaver

College of Liberal Arts - Philosophy
Reductionist vs. Connectionist Methods for 'Knowing How'

Alexander Beard

College of Liberal Arts - Philosophy
Event Segmentation and the Epistemic Conception of Mechanistic Explanation

PANEL PRESENTATIONS

SESSION B: 6-6:50PM

USU Room 205

Panel Discussant: Judy Brusslan, PhD

Avery Andrus

College of Natural Sciences and Mathematics - Biology
Characterization of the Innate Immune Response in Wasting Bat Stars

Jennifer Castillo

College of Natural Sciences and Mathematics - Chemistry
Investigation of the NCl₂ radical in Advanced Oxidative Processes

AJ White

College of Natural Sciences and Mathematics - Geology
A Test Of Fecal Stanols as Indicators of Population Change

PANEL PRESENTATIONS

SESSION B: 6-6:50PM

USU Room 304

Panel Discussant: Niloofar Bavarian

Ambyr Hardy

Liberal Arts - Applied Anthropology

Identities and Communities in Transition

Amal Francis Kannanthanthu & Khantil Solanki

College of Engineering - Electrical Engineering

Driver Drowsiness Detection Employing Machine Learning

Christina Tolentino-Baldrige

College of Health and Human Services - Nursing

HIV Stigma: Beliefs and Attitudes of Nursing Students

POSTER PRESENTATIONS

SESSION B: 6-6:50PM

USU Ballrooms

COLLEGE OF HEALTH & HUMAN SERVICES

Maryanne Alderson, Criminology and Criminal Justice

Analyzing Procedural Justice Among Injection Drug Users in Skid Row

Salvador Ramirez, Social Work

Latinx Condom Sense in Long Beach: Reaching Out to Prevent HIV/AIDS

Audrianna Atencio, Nutritional Science

Correlation Between Nutrition Knowledge and Use of Nutrition Guidelines

Laura Zamora, Health Care Administration

Factors Associated with In-patient Admissions for Marijuana Abuse

COLLEGE OF EDUCATION

Taharka Anderson, Social and Cultural Analysis of Education

Holistic Suturing: Black Student College Activism as a Form of Healing

Lorena Camargo Gonzalez, Social and Cultural Analysis of Education

Latinas Experience in an Educational Leadership Doctoral Program (Ed.D.)

James Crawford, College of Education

Media and African American Youth Self-Concepts: Assessing the Need for CML

Melissa Grab, Educational Leadership

Addressing the Cultural and Linguistic Needs of International Students

Mackala Lacy, Educational Counseling

Bartering Psychotherapy with African-Americans

Edith Bell, Marriage and Family Therapy

Mental Health and Physical Activity

Michael Palomares, Education Specialist

Corpus Linguistics: Vocabulary Development in Special Education

COLLEGE OF THE ARTS

Tyler Fister, Art Education

Activating the Art Classroom

COLLEGE OF LIBERAL ARTS

Keri Hughes, Religious Studies

Martyrs and Traitors: Examining the Recent Uprisings in Turkey

Jason Moore, History

A World More Familiar: Interaction between the Roman Empire and Han Empire

Tomo Murakami, Asian Studies

Analysis of Zainichi Novels through Three Generations

POSTER PRESENTATIONS

SESSION B: 6-6:50PM

USU Ballrooms

Emily Bates, Psychological Research
The Interaction Of Alcohol and Nicotine in Male and Female Adolescent Rats

Christina Logan, Psychological Research
Correlations Between Perceived and Observed Parenting Behaviors

Kimberlee Coletti & Joseph Ogaz, Industrial/Organizational Psychology
Disclosure of Sexual Orientation in the Workplace

Christopher Gunderson, Psychology
Stewing about a Provocation: Collective Narcissism and Rumination

Hugo Sanchez, Psychology
Mindfulness, Relationship Quality, and Perceived Stress in Pregnant Women

Shane Eaves, Physical Geography
Subalpine Vegetation Change: Rephotography & Meadow Invasion in Yosemite

Joseph Diminutto, Geography
Cruising for a Sense of Place in Long Beach, California

Rebecca Jacobs, Geography
Mapping the Fire Regime of West Africa Savanna with Satellite Imagery

Alex Pakalniskis, Geography
UAV Remote Sensing of Leaf Green-up in a West African Savanna

Abeer Abbas, Linguistics
Arabic Language in Farasan Islands which are Located on the Red Sea

Spencer Lindsay, Political Science
A Three Step Theory of Genocide

Ibrahim Al Malwi, Linguistics
The Effects of Age and Gender on Voice Onset Time by Abha Arabic Speakers

Abdulmajeed Alrashed, Linguistics
Affrication in Qassimi Dialect

Julia Reiter, Linguistics
Comparing Interactional Patterns in Online and Traditional Language Classes

Alissa Wolters, Linguistics
Wolane (Ethiopian-Semitic): The Vowel System (A Brief Description)

ROUNDTABLE SESSIONS

SESSION B: 6-6:50PM

USU Room 253 (Alamitos Bay)

Table 1

Chair: David Stout, PhD

Ajay Shirolkar, Mechanical Engineering
Role of Carbon Nanofiber Alignment in a Cardiovascular Patch

Sandhya Selvaraj, Aerospace Engineering
Geometrically Optimized Compact Solar Sail Design

Ezequiel Buenrostro, Mechanical Engineering
Determining the Effects of Randomly Oriented Fibers in a Foam Core Sandwich

ROUNDTABLE SESSIONS

SESSION B: 6-6:50PM
USU Room 253 (Alamitos Bay)

Table 2

Chair: Bruce Perry, PhD

Cesar Mejia, Geology
Structural Geology of Mineral Hill in Eureka County, Nevada

Benjamin Davidson, Geology
Tectonic Erratics in the Eastern Roberts Mountains, Eureka County, Nevada

Rachel Waite, Geography
Contributors to Ocean Nutrient Pollution in North-Central Maui, HI

Table 3

Chair: Maria Claver, PhD

Claudia Aguilar, Criminology, Criminal Justice, and Emergency Management
A Comparative Study of Matricide Versus Patricide

Kaila Vento, Sport & Exercise Psychology
The Effects of PMR on the Subjective Well-Being of Collegiate Athletes

Table 4

Chair: Elaine Frey, PhD

Tan Liu, Applied Statistics
The Negative, Zero, or Positive Sum Nature of Stocks

Jordan Eres, Public Administration
Payday Lending Policy: Assessing Informed Consumer Behavior

Nicholas Jenkins, Economics
Becoming an Entrepreneur

ACKNOWLEDGEMENTS

The inaugural CSULB Graduate Research Conference would not be possible without the time, efforts, and contributions of our many supporters. We would like to thank the following partners for making the CSULB Graduate Research Conference possible:

U.S. Department of Education

Our Graduate Student Presenters

Keynote Speaker: Tyrone Howard

Panel Discussants: Niloofar Bavarian, Babette Benken, Judy Bruslan, Nancy Hall

Roundtable Chairs: Maria Claver, Shametrice Davis, Elaine Frey, Anna Ortiz, Bruce Perry, Karen Quintiliani, Rigoberto Rodriguez, David Stout, Charles Wallis

CSULB Graduate Studies Office: Elaine Frey, Cecile Lindsay, Monique Lopez

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GSRC Interns: Sara Castro, Marisol Lopez, Tony Quiroz, Diandra Porter, Mitzi Rosales, Harry Wynands

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THANK YOU!

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University Student Union Conference Map

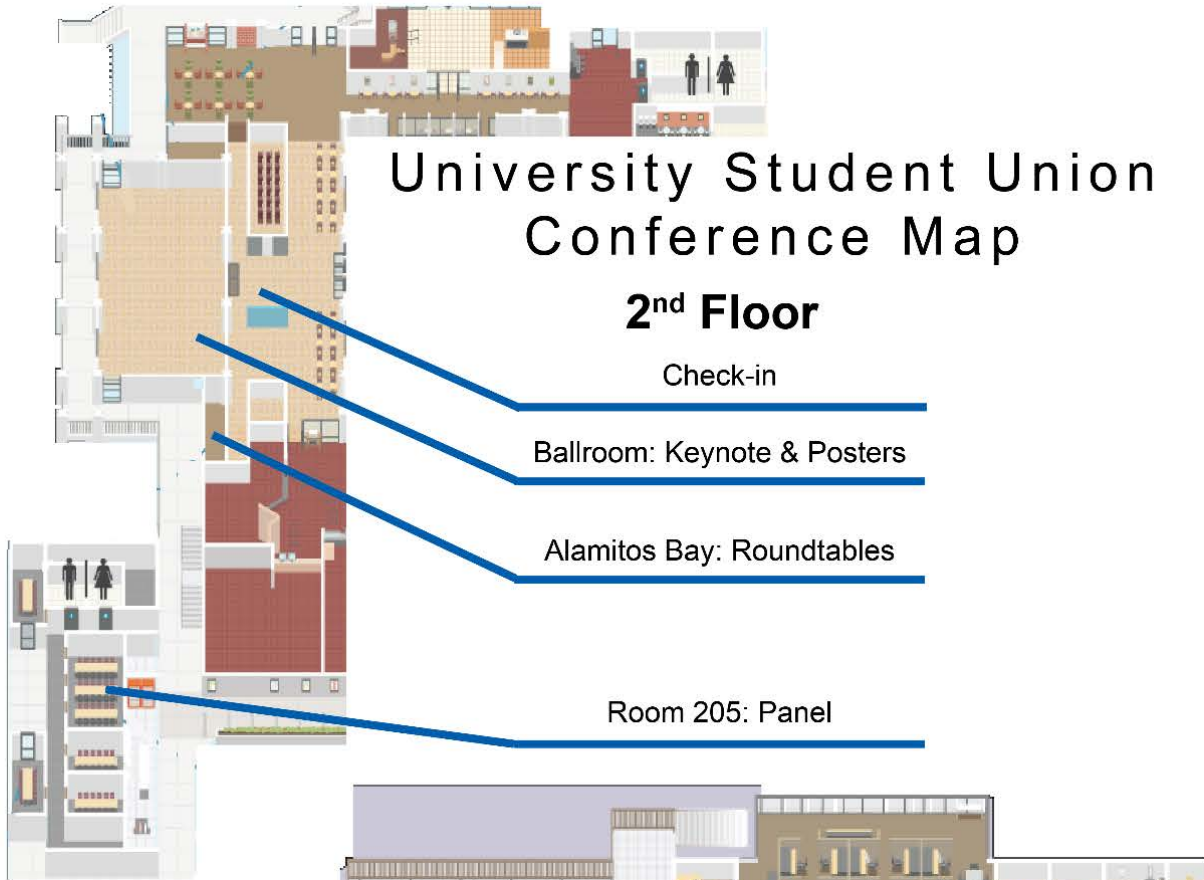
2nd Floor

Check-in

Ballroom: Keynote & Posters

Alamitos Bay: Roundtables

Room 205: Panel



3rd Floor

Room 304: Panel

