

2010

May 8, 2010

John Spoor Broome Library

2nd Annual

FACULTY STUDENT RESEARCH FORUM

A SHOWCASE OF RESEARCH, SCHOLARSHIP, CREATIVE ACTIVITIES AND GRANTS

Featuring:

FACULTY - STUDENT COLLABORATIVE PRESENTATIONS

FACULTY RESEARCH PRESENTATIONS

STUDENT RESEARCH/CAPSTONE PRESENTATIONS

SATURDAY, MAY 8, 2010



Channel Islands

CALIFORNIA STATE UNIVERSITY

A SHOWCASE OF RESEARCH, SCHOLARSHIP, CREATIVE ACTIVITIES, AND GRANTS

2nd Annual

Faculty Student Research Forum

Sponsored By:



Division of
**ACADEMIC
AFFAIRS**

C H A N N E L
I S L A N D S

Table of Contents

Schedule of Events.....	1
A Welcome from the Provost and Dean.....	2
Oral Presentations.....	4
<i>Abstracts</i>	8
Poster Presentations.....	16
Thanks & Acknowledgements.....	26
Notes.....	27
Library Map.....	28

Schedule of Events

Saturday, May 8, 2010

9:15 AM

Registration and Continental Breakfast
Broome Library-Group Study

9:45 AM

Welcoming Remarks
Dr. Richard Rush, President

10:00 AM – 12:00 PM

Oral Presentations
*Broome Library Classrooms (Upstairs and
Downstairs)*

Poster Presentations
*Broome Library Exhibition Hall and Reading
Room*

A Welcome Letter from the Provost and Dean of the Faculty

May 8, 2010

Dear CI Colleagues and Community Guests:

Welcome to the Second Annual Faculty and Student Research Forum at California State University Channel Islands. This event is an exciting opportunity to experience the best of research, scholarship, and creative activities at CI. Students and faculty alike will share their discoveries, whether they are examining *Why Are We The Obese Nation?*, exploring the *Global Climate Change and its Impact on the Breeding Populations of California Shorebirds* or experimenting on the *Effect of TCTP expression on bacterial growth under stress conditions*.

The Forum is a celebration of the accomplishments of our students and the efforts of our faculty. This collaboration between the students and faculty is a CI hallmark. We hope that this forum will inspire continued scholarly and creative achievements both in our students and faculty and that our guests will gain an appreciation for the academic excellence fostered at CI.

Thank you for supporting our students and faculty. We especially want to acknowledge and congratulate the faculty who have devoted so much of their time and effort in engaging our students in research, scholarship, and creative activities.

Sincerely,



Dawn Neuman
Provost and Vice President for Academic Affairs



Ashish K. Vaidya
Dean of the Faculty

Oral Presentations

Each presentation is allotted 20-25 minutes followed by a 5-minute question and answer period. Participants and guests are requested not to enter or leave the rooms during the presentations.

Broome Library 1350

<u>Time</u>	<u>Presenter(s)</u>	<u>Title</u>
10:00 a.m.	Dr. Luda Popenhagen <i>Performing Arts</i>	Writing of Chapters for a Book Project (in-progress)
10:30 a.m.	Mary Adler, Curtis Molina, Crystal Fernandez and Natalie Olson <i>English</i>	Case Studies of A Targeted Reading Intervention in Middle School
11:00 a.m.	Katrina Newcomb and Brandon Dowling <i>Political Science</i>	Earmark: Seniority, Party, and the Politics of the Pork Barrel
11:30 a.m.	Dr. Priscilla Liang <i>Finance</i>	Global Contagion and the Decoupling Debate

Broome Library 1360

<u>Time</u>	<u>Presenter(s)</u>	<u>Title</u>
10:00 a.m.	Dr. Tiina Itkonen, Lindsay Dow, Katelyn Rauch and Gary Cushing <i>Education and Political Science</i>	Autism Activism: The Role of Policy Entrepreneurs
10:30 a.m.	Dr. Kathryn Leonard <i>Mathematics</i>	Perfect Mathematics for an Imperfect World
11:00 a.m.	Dr. Daniel Lee, Becca Shryock and Jessica Goede <i>Sociology</i>	Clicking for Friendship: Social Network Sites and the Construction of Personhood.
11:30 a.m.	Dr. Scott Frisch and Dr. Sean Kelly <i>Political Science</i>	Pork: Who Gets What, How, and Why

Broome Library 1750

<u>Time</u>	<u>Presenter(s)</u>	<u>Title</u>
10:00 a.m.	Ashley Bonneau <i>Biology</i>	Double Knockdown of the Rheb Gene in Mammalian Cells Using RNA Interference
10:30 a.m.	Paramjit Singh <i>Biology</i>	Bioplastics: Isolation and Identification of Novel Bioplastic Producing Bacteria
11:00 a.m.	Doug Whitesell <i>Computer Science and Political Science</i>	Earmarker: Aggregating Congressional Appropriations Earmarks Data
11:30 a.m.	Larisa Contreras and Dr. Jorge Garcia <i>Mathematics</i>	The Skorokhod Metric

Broome Library 1756

<u>Time</u>	<u>Presenter(s)</u>	<u>Title</u>
10:00 a.m.	Kimberly Nishinaka <i>Biology</i>	Antibacterial soaps and hand sanitizers containing Triclosan contribute to antibacterial resistance
10:30 a.m.	Nicole Conary <i>Computer Science</i>	iPhone Application: discoverCI
11:00 a.m.	Daniel Laws <i>Computer Science</i>	Game Console Design
11:30 a.m.	Nick Peters <i>Computer Science</i>	Distributed Computing with Hadoop

Broome Library 2325

<u>Time</u>	<u>Presenter(s)</u>	<u>Title</u>
10:00 a.m.	Jacob Jones, Allison Welsh, Lynette Davidson, John Jalandoni, Dana Lockwood and Dr. Kimmy Kee-Rose <i>Psychology</i>	Skin Conductance and Emotion Regulation in Students with Higher Versus Lower Social Desirability
10:30 a.m.	Pavlina Bramson, Alexandra Dee, Matthew Lysak, Heidi Wolfe, Jody Jussin, Jenny Muihead and Dr. Kimmy Kee-Rose <i>Psychology</i>	Psychosocial Adjustment as a Predictor of Community-Based Services Program Success
11:00 a.m.	Blair Cuny, Stephanie Serna, Heather Todd, Jennifer McDonald and Dr. Kimmy Kee-Rose <i>Psychology and Nursing</i>	Why Are We The Obese Nation?
11:30 a.m.	Dana Lockwood, John Jalandoni, Lynette Davidson, Jacob Jones, Allison Welsh and Dr. Kimmy Kee-Rose <i>Psychology</i>	Autonomic Activation and Psychosocial Adjustment In Students With High Versus Low Emotional Intelligence

Broome Library 2330

<u>Time</u>	<u>Presenter(s)</u>	<u>Title</u>
10:00am	Richard Galvan <i>Computer Science</i>	Time-Management System for Student Assistants
10:30am	Adam Scott <i>History</i>	Cultured in Isolation: The Terminal Island Japanese
11:00am	Dr. Jose Alamillo, Dr. Terry Ballman, Samuel Zuniga, Aron Pamatz, Jose Tlaxcuapan and Lourdes Tlaxcuapan <i>Chicana/o Studies and Spanish</i>	Researching the Braceros of Ventura County
11:30am	Dr. Dennis Downey, Kimberly Cerda, Danielle Fillner, Derek Kerner, Derek Stalcup and Beth Williams <i>Sociology</i>	Calculating measures of interrater agreement in content analysis: Media representations of multiculturalism

Broome Library 2480

<u>Time</u>	<u>Presenter(s)</u>	<u>Title</u>
10:00am	George Morgan <i>English</i>	Pasadena Babalon: Evolution of a New Play
10:25am	Karen "Jessa" Reed <i>English</i>	"I Say It's the Moon": Ideology and the Sadomasochistic Subject in "The Taming of the Shrew"
10:50am	Lauren Pollack <i>English</i>	Sex Education in Literature
11:15am	Amanda Estrella <i>English</i>	Misguiding Gender
11:40am	Devon Rollins <i>English</i>	Kate

Broome Library 2490 - Sociology Capstone Presentations

<u>Time</u>	<u>Presenter(s)</u>	<u>Title</u>
10:00am	Jessica Goede <i>Join the Farm!</i>	Cheetos or Carrots? Organization goals of sustainability and students' eating habits
10:15am	Vanessa Padilla <i>Ventura County Homeless and Housing Coalition</i>	Homelessness, Mental Health, and Labeling
10:30am	Michael Viquez <i>CAUSE</i>	Individualism and Volunteerism: Differences in Motivational Factors for Volunteering in Political Organizations and Charitable Organizations
10:45am	William Campbell <i>Project Understanding</i>	A Closer Look at how food pantries affect household budgets
11:00am	Jennifer Cerny-Thorsen <i>Camarillo Hospice</i>	Income, Marital Status and the Utilization of Hospice Care

Oral Presentations – Abstracts

Writing of Chapters for a Book Project (in-progress)

Presenter(s): Dr. Luda Popenhagen

Academic Program: Performing Arts

Location: Broome Library 1350

Time: 10:00 AM

I am in the process of writing a book, *A Migrant History: Lithuanians in Australia, 1947-1990* (work-title). My first-hand familiarity with Australian Culture, the Lithuanian Language, and Oral Histories of Migration from post-World War II Europe has been integral to writing this book. Through the translating and editing of my researched data, I paint a picture of the “new arrival” in a former British colonial outpost. The story of these “displaced persons” within a nation still searching for its own identity is complex and sometimes shocking. This narrative about the “other’s” path to citizenship sheds light on migration issues in contemporary communities both near and far, and will serve as inspiration to create a public performance.

Case Studies of a Targeted Reading Intervention in Middle School

Presenter(s): Dr. Mary Adler, Curtis Molina,

Crystal Fernandez and Natalie Olson

Academic Program: English

Location: Broome Library 1350

Time: 10:30 AM

A faculty member, with three student researchers, piloted a reading intervention project testing the efficacy of regular, yet brief, bursts of skills instruction targeted to fill specific gaps in students’ reading processes. Due to the small sample size, a case study methodology was employed to provide “thick description” of student progress. These data are complemented by pre and post data measurements at the individual, group, and class level. Results provide insight into the benefits and drawbacks of such approaches and suggest possibilities for scaling up the model in the future.

Earmark: Seniority, Party, and the Politics of the Pork Barrel

Presenter(s): Katrina Newcomb and Brandon Dowling

Academic Program: Political Science

Location: Broome Library 1350

Time: 11:00 AM

In recent years the number of appropriations earmarks has increased considerably. Critics of earmarks contend that the increase is a result of lobbyists’ pressure on junior members of Congress to request earmarks. Using unique data on earmark requests we examine whether junior members of Congress are requesting more earmarks over time.

Global Contagion and the Decoupling Debate

Presenter(s): Dr. Priscilla Liang

Academic Program: Martin V. Smith School of Business and Economics - Finance

Location: Broome Library 1350

Time: 11:30 AM

This project argues that there are a number of different versions of decoupling hypotheses and that rapid swings in their popularity are due largely to herding in popular mental models and shifts in short run correlations. It is important to not put too much emphasis on such changes of correlations since these can vary substantially depending on the patterns of shocks. There are substantial differences in the effects of contagion during the current crisis on growth rates of both advanced and emerging economies, including the BRICs. Our estimates suggest that while countries like China and India have been able to maintain high growth rates, their short falls from trends have not been greatly smaller than for the United States itself. Thus their decoupling has not been as great as many popular analyses have suggested.

Oral Presentations – Abstracts

Autism Activism: The Role of Policy Entrepreneurs

Presenter(s): Dr. Tiina Itkonen, Lindsay Dow, Katelyn Rauch and Gary Cushing
Academic Program: Education and Political Science
Location: Broome Library 1360
Time: 10:00 AM

Policy entrepreneurs are critical in resource and constituent mobilization, resulting in interest group policy victories. While there is theoretical literature on them, little empirical work exists to test the theoretical propositions of (a) qualities of policy entrepreneurs; (b) how they convert social capital into political capital; (c) the way in which they connect solutions to problems; and (d) the political context that is favorable (or not) for policy victories. This project asks those questions by analyzing policy entrepreneurs of interest groups representing people with autism. The project significantly contributes to the political science and public policy literatures.

Perfect Mathematics for an Imperfect World

Presenter(s): Dr. Kathryn Leonard
Academic Program: Mathematics
Location: Broome Library 1360
Time: 10:30 AM

In many areas where mathematics is applied, the real world almost—but not quite—behaves like clean mathematical theorems. Unfortunately, the “not quite” part often leads to incorrect mathematical models. This project explores particular categories of “not quite” where combining ideas from different areas of pure mathematics leads to an accurate model and explicit mathematical relationships between the perfect mathematics and the imperfect world.

“Clicking for Friendship: Social Network Sites and the Construction of Personhood.”

Presenter(s): Dr. Daniel Lee, Becca Shryock and Jessica Goede
Academic Program: Sociology
Location: Broome Library 1360
Time: 11:00 AM

Social networking sites such as MySpace and Facebook depend on many familiar social resources, including language, reading/writing, and the availability of established semantic constructs such as personhood, preferences, networks, privacy, and friends. However, the use of computers, the Web 2.0 platform, and the latest networking software is revolutionizing the way in which “personhood” and “friendship” are produced by communication. In this paper we refer to the media theory of Niklas Luhmann to help identify specific differences in how communication is organized and reproduced on social networking sites. Supplementing our theoretical discussion, we present preliminary findings from an ongoing study of social network site members.

Pork: Who Gets What, How, and Why

Presenter(s): Dr. Scott Frisch and Dr. Sean Kelly
Academic Program: Political Science
Location: Broome Library 1360
Time: 11:30 AM

Using unique data collected by the authors and a database compiled by students, we report on progress on this large, multiyear project.

Oral Presentations – Abstracts

Double Knockdown of the Rheb Gene in Mammalian Cells Using RNA Interference

Presenter(s): Ashley Bonneau

Academic Program: Biology

Location: Broome Library 1750

Time: 10:00 AM

The study of gene function is an important component to understanding genetic and molecular correlations to diseases. My research utilizes the ability of RNA interference (RNAi) technology to control gene expression through post-transcriptional silencing mechanisms. Our study focuses on the protein Rheb in the insulin/mTOR pathway which has been implicated in a variety of cancers. There are two Rheb genes in mammalian systems- Rheb1 and Rheb2. Transient silencing of Rheb1 and Rheb2 individually as well as combined silencing of both the Rheb genes in cell culture will provide useful insights into the influence of Rheb1 and/or Rheb2 on mTOR activity.

Bioplastics: Isolation and Identification of Novel Bioplastic Producing Bacteria

Presenter(s): Paramjit Singh

Academic Program: Biology

Location: Broome Library 1750

Time: 10:30 AM

Bioplastics are defined as plastics made from renewable resources such as plant starch and microbial species and their biodegradability makes them a desirable substitute for petrochemical based plastic. Bioplastics are made from a compound called polyhydroxyalkanoate, PHA. My research project focuses on the production of PHAs by novel microbial species. Specifically, I have assessed the ability of plastic production of unknown strains of bacteria collected from a variety of different environments. I have utilized known bioplastic producers *Pseudomonas*, *Ralstonia*, and *Bacillus* for determining the optimal conditions for plastic production which include carbon sources, nitrogen sources, and different pH concentrations.

Earmarker: Aggregating Congressional Appropriations Earmarks Data

Presenter(s): Doug Whitesell

Academic Program: Political Science / Computer Science

Location: Broome Library 1750

Time: 11:00 AM

Earmarker is a Django-based Web application to collect Congressional appropriations earmarks data and perform certain rudimentary analyses on them. My presentation will focus on discussing the creation of an application that is responsive to the unique requirements of a large-scale research project.

The Skorokhod Metric

Presenter(s): Larisa Contreras and Dr. Jorge Garcia

Academic Program: Mathematics

Location: Broome Library 1750

Time: 11:30 AM

There are several approaches of computing distances between two discontinuous functions in mathematics, many of these approaches are easy and other ones are hard. Among the hard ones, few are known and most of it is very abstract. This project is about studying those hard approaches (the Skorokhod metric), creating diagrams, illustrating many examples, drawing “balls” in this metric making this theory accessible to readers and students. In addition, several new results in the field, involving this metric, are stated and proved. Applications of this general theory include Stochastic Processes such as the stock market and particle processes in physics.

Oral Presentations – Abstracts

Antibacterial Products with Triclosan and their Link to Antibiotic Resistance

Presenter(s): Kimberly Nishinaka

Academic Program: Biology

Location: Broome Library 1756

Time: 10:00 AM

Antibacterial products have been on the consumer market for years. Many of these products contain an antimicrobial agent known as triclosan. It has proven to be an effective agent in hospital-settings for decades, however little research has been provided for its efficacy in the community setting. Many studies in recent years have even shown triclosan to be associated with resistance in bacteria to not only the agent itself, but to several antibiotic therapies as well. This paper discusses the potential harmful effects triclosan may have on the average healthy consumer household, and provides a detailed theoretical experiment developed to provide further evidence of negative impacts. Research provided serves as an important tool in informing the community to make well-educated decisions on the use of antibacterial products containing triclosan in an effort to prevent further cases in the growing problem of antibiotic resistance in community populations.

iphone Application: discoverCI

Presenter(s): Nicole Conary

Academic Program: Computer Science

Location: Broome Library 1756

Time: 10:30 AM

discoverCI is an iPhone app that gives users the ability to learn more about Cal State University, Channel Islands. It provides an interactive campus map, allows users to obtain information about courses available, and gives users contact information for faculty and administration members.

Game Console Design

Presenter(s): Daniel Laws

Academic Program: Computer Science

Location: Broome Library 1756

Time: 11:00 AM

The project involves the design and functional prototype of a simple 2D game console. Borrowing many design elements from the popular Nintendo GBA handheld console, the game console relies heavily on the video controller while the CPU mostly performs game logic and memory transfer functions. This allows for a relatively weak CPU to still display full 60 fps video. The game console is implemented on a Digilent Nexys2 FPGA development board and a NXP LPC2148 microcontroller. Further work includes use of an open source soft processor and SDRAM memory controller for realization of a complete SoC (System-on-Chip) solution.

Distributed Computing with Hadoop

Presenter(s): Nick Peters

Academic Program: Computer Science

Location: Broome Library 1756

Time: 11:30 AM

Hadoop is an open source distributed computing framework based off of Google's Mapreduce framework. In this talk we will look at the problems that Hadoop solves and how Hadoop is able to distribute a task to many independent nodes. In particular, we will look at using Hadoop as a distributed password-cracking device.

Oral Presentations – Abstracts

Skin Conductance and Emotion Regulation in Students with Higher Versus Lower Social Desirability

Presenter(s): Jacob Jones, Allison Welsh, Lynette Davidson, John Jalandoni, Dana Lockwood and Dr. Kimmy Kee-Rose

Academic Program: Psychology

Location: Broome Library 2325

Time: 10:00 AM

The current ongoing study compares skin conductance response (SCR) and subjective emotional arousal between students with higher social desirability and their counterparts with lower social desirability. Participants took a measure of social desirability. Physiological measures were used to record SCR while subjects viewed a series of images. Subjects rated their emotional arousal. Our results revealed that students with higher social desirability demonstrated more sympathetic activation compared to their counterparts, but this group difference was not statistically significant. For subjective emotional arousal, the group difference was significant. The higher social desirability sample experienced significantly less emotional arousal compared to those in the lower social desirability group.

Psychosocial Adjustment as a Predictor of Community-Based Services Program Success

Presenter(s): Pavlina Bramson, Alexandra Dee, Matthew Lysak, Heidi Wolfe, Jody Kussin, Jenny Muirhead and Dr. Kimmy Kee-Rose

Academic Program: Psychology

Location: Broome Library 2325

Time: 10:30 AM

The current ongoing study explores the longitudinal relationships between aspects of psychosocial functioning and the success of a community-based services program in 76 youths with emotional and behavioral problems, who were at risk for out-of-home placement. Participants' psychosocial adjustment was measured using the Child and Adolescent Functional Assessment Scale. Success in the community-based services

program was demonstrated by the attainment of in-home placement at discharge. Multiple significant associations were found between behavior towards self and others, emotion modulation, role performance and substance use at intake with program success at discharge, with the coefficients ranging from 0.34 to 0.52 (p values = 0.000 to 0.003).

Why Are We The Obese Nation?

Presenter(s): Blair Cuny, Stephanie Serna, Heather Tood, Jennifer McDonald and Dr. Kimmy Kee-Rose

Academic Program: Psychology

Location: Broome Library 2325

Time: 11:00 AM

This study compares neurocognitive functions (inhibition, impulsivity, and self-control) and motives of eating (food available, present, and tasted) between 42 obese weight and 47 healthy weight undergraduate students. Participants' neurocognition was assessed using the Stop Signal Task, Barratt-11 Impulsivity Scale, Self-Control Scale, and the Power of Food Scale. Individuals with obese weight exhibited significantly greater deficits in inhibition, poorer impulse regulation, lower levels of self-control, and greater anticipatory responses for food available compared to individuals with healthy weight. In the obese weight sample, significant associations were found between the three motives of eating with impulsivity and self-control, but not inhibition.

Autonomic Activation and Psychosocial Adjustment in Students with High Versus Low Emotional Intelligence

Presenter(s): Dana Lockwood, John Jalandoni, Lynette Davidson, Jacob Jones, Allison Welsh and Dr. Kimmy Kee-Rose

Academic Program: Psychology

Location: Broome Library 2325

Time: 11:30 AM

The current ongoing study compares autonomic nervous system activity and psychosocial adjustment between

Oral Presentations – Abstracts

undergraduate students with lower emotional intelligence (EI) and their counterparts with higher EI. Autonomic nervous system activity was measured using galvanic skin conductance response (SCR) and was recorded while participants' viewed a series of images. At the same time, participants' were asked to report their levels of emotional arousal. Participants' emotional intelligence was assessed using the Mayer-Salovey-Caruso Emotional Intelligence Test and psychosocial adjustment was evaluated with the Social Adjustment Scale. Preliminary analyses from this study revealed that individuals with lower EI tended to exhibit lower levels of SCR compared to their counterparts with higher EI. Also, our results indicated that students with lower EI demonstrated significantly greater deficits in their everyday psychosocial functioning compared to those with higher EI. For subjective emotional arousal.

Time-Management System for Student Assistants

Presenter(s): Richard Galvan

Academic Program: Computer Science

Location: Broome Library 2330

Time: 10:00 AM

The time-management system is designed to replace the current process of manually emailing timesheets to students and requiring them to fill in their monthly time logs by hand. It will save resources by cutting down on paper waste and reduce the time necessary to process student worker's time sheets.

Cultured in Isolation: The Terminal Island Japanese

Presenter(s): Adam Scott

Academic Program: History

Location: Broome Library 2330

Time: 10:30 AM

The large portion of the existing material dealing with prewar Japanese Americans has drawn general conclusions about the role which westernization, discrimination and the generational conflict played in the experience of these populations. This article attempts to

complicate these conclusions through the case study of the isolated community which existed on Terminal Island prior to the war, as well as their unique experience within the internment camps. By analyzing the Terminal Island community using the prevailing lenses through which Japanese American communities are understood -- namely how westernization, discrimination and the generational conflict manifested themselves -- it becomes evident that the seemingly generalized conclusions drawn in relation to the other Japanese American communities do not apply. The relative isolation of the community's location enabled the growth of a separate Japanese American cultural identity free of the pressures of westernization which further fostered the evolution of unique social practices and even a dialect different from that of their mainland counterparts.

Researching the Braceros of Ventura County

Presenter(s): Dr. Jose Alamillo, Dr. Terry Ballman, Samuel Zuniga, Aron Pamatz, Jose Tlaxcuapan and Lourdes Tlaxcuapan

Academic Program: Chicana/o Studies and Spanish

Location: Broome Library 2330

Time: 11:00 AM

As part of the Smithsonian Institution's Bracero History Archive project, Chicano/a Studies and Spanish students will present their research findings from their interviews of ex-Braceros in Ventura County. Students will share also their experiences in organizing town hall meetings, visiting Bracero labor camps where many of these ex-Braceros lived and worked, transcribing and translating oral history interviews, and showing photos, images and documents they collected. All these findings will be used for local exhibit titled "The Braceros of Ventura County" that will complement the national traveling exhibition, "Bitter Sweet Harvest: the Bracero Program, 1942-1964" at CSU Channel Islands (opening Sept. 8, 2010).

Oral Presentations – Abstracts

Calculating measures of interrater agreement in content analysis: Media representations of multiculturalism

Presenter(s): Dr. Dennis Downey, Kimberly Cerda, Danielle Fillner, Derek Kerner, Derek Stalcup and Beth Williams

Academic Program: Sociology

Location: Broome Library 2330

Time: 11:30 AM

We present measures of interrater agreement across several key variables used in content analysis research. The content analysis addresses media representations of multiculturalism over the 1990s – a crucial decade for shifting meanings associated with the concept.

English Program Capstone Presentations

Pasadena Babalon: Evolution of a New Play

Presenter(s): George Morgan

Academic Program: English

Location: Broome Library 2480

Time: 10:00 AM

"I Say It's the Moon": Ideology and the Sadomasochistic Subject in "The Taming of the Shrew."

Presenter(s): Karen "Jessa" Reed

Academic Program: English

Location: Broome Library 2480

Time: 10:25 AM

Sex Education in Literature

Presenter(s): Lauren Pollack

Academic Program: English

Location: Broome Library 2480

Time: 10:50 AM

Misguiding Gender

Presenter(s): Amanda Estrella

Academic Program: English

Location: Broome Library 2480

Time: 11:15 AM

Kate

Presenter(s): Devon Rollins

Academic Program: English

Location: Broome Library 2480

Time: 11:40 AM

Sociology Program Capstone Presentations

Cheetos or Carrots? Organization goals of sustainability and students' eating habits

Presenter(s): Jessica Goede

Academic Program: Sociology

Location: Broome Library 2490

Time: 10:00 AM

Homelessness, mental Health, and Labeling

Presenter(s): Vanessa Padilla

Academic Program: Sociology

Location: Broome Library 2490

Time: 10:15 AM

Individualism and Volunteerism: Difference in Motivational Factors for Volunteering in Political Organizations and Charitable Organizations

Presenter(s): Michael Viquez

Academic Program: Sociology

Location: Broome Library 2490

Time: 10:30 AM

A Closer Look at how food pantries affect household budgets

Presenter(s): William Campbell

Academic Program: Sociology

Location: Broome Library 2490

Time: 10:45 AM

Income, Marital Status and Utilization of Hospice care

Presenter(s): Jennifer Cerny-Thorsen

Academic Program: Sociology

Location: Broome Library 2490

Time: 11:00 AM

Poster Presentations

Posters Presentations are a mix of Faculty, Students and Faculty Student Collaborations. Posters will be displayed throughout the first floor of the Broome Library. Presenters will be available to answer questions regarding their projects.

Individual Poster Presentations

<u>Presenter</u>	<u>Academic Program</u>	<u>Project Title</u>
Brandon Avery	Computer Science	Fully Functional Online Scheduling Program
Ubertino Ayala	Nursing	Effective methods of hand hygiene: Soap vs. Alcohol based sanitizers
Kevin Abriol	Environmental Science and Resource Management	Geospatial analysis of Arundo donax regrowth in the Topanga Creek watershed
Norma Aguayo	Nursing	Prophylaxis of Deep-Vein Thrombosis
Sara Aguirre	Nursing	Energy Drinks: A Dangerous Drink?
Gabriel Alcala	Biology	The use of stem cells to repair damaged trachea epithelium cells involved with Cystic Fibrosis
Randy Alderson	Computer Science	Mobile Assassin
Richard Alegre	Biology	The implication of bacterial infection` in the pathology of SIDS and future studies.
Marsha Alstot	Nursing	Heart Failure Education and Readmissions
Krista Anderson	Biology	How do suspended solids in the Santa Clara River affect Steelhead migration patterns?
Sara Anger	Nursing	Why Childhood Vaccinations?
Magdalena P. Arceo	Nursing	What are the benefits & risks of oral contraceptive usage in obese women?
Robin L. Barnes	Nursing	Community Acquired MRSA
Pat Bear	Nursing	Long-Term Quality of Life after Successful Surgery for Cushing's Disease
Hanna Belyea	Biology	The major threats to the Main Island Hawaiian Monk Seals

<u><i>Presenter</i></u>		<u><i>Academic Program</i></u>	<u><i>Project Title</i></u>
Kelly	Bevis	Biology	Effects of Oxybenzone on Human Skin
Odineil	Blanco	Biology	PTSD (Post Traumatic Stress Disorder)-Effects of PTSD on neurochemical (norepinephrine) and neuroanatomical functions (limbic system)
Ashley	Bonneau	Biology	Double Knockdown of the Rheb Gene in Mammalian Cells Using RNA Interference
Tiffany	Brenneman	Nursing	Herbal & Dietary Supplements for Premenstrual Syndrome
Julie	Bunting	Environmental Science and Resource Management	Red Tide Monitoring and Prediction and Adaptations for Ventura County
Jennifer	Burks	Environmental Science and Resource Management	Monitoring Social Trails on east Santa Cruz Islands
Sarah	Campbell	Biology	The use of Marijuana as a therapy treatment in combination with other CAMs, as a treatment for AIDS/HIV infected individuals.
Shaula B.	Carbajal	Nursing	Benefits of Childhood Vaccination
Cameron	Clifford	Computer Science	Web Application for A Computer Repair Company
Dr. Christopher	Cogan	Environmental Science and Resource Management	Coastal Marine Habitats: Mapping, Biodiversity Analysis, and Models to Support Ecosystem-Based Management
Nicole	Conary	Computer Science	DiscoverCI: iPhone Application
Lisa	Cox	Environmental Science and Resource Management	An analysis of depressive behavior at Leo Carillo tide pools
Genevieve S.	Davis	Nursing	The Broken Heart Syndrome: Cause and Treatment for Postmenopausal Women
Skye	Davis	Biology	An investigation of MSG on fat storage and obesity

<u>Presenter</u>		<u>Academic Program</u>	<u>Project Title</u>
Wesley	Dickerson	Computer Science	PECO: Personalized Ear Capability Optimizer
Talia	Dominello	Biology	What is the role of acoustic communication in Northern right whales during the breeding season to determine if the impact of anthropogenic noise is a factor that's keeping the population from rebounding.
Andrew	Domingos	Environmental Science and Resource Management	Mugu Lagoon Fragmentation and Water Quality
Melissa	Dorman-Ellis	Nursing	The Perio-Systemic Disease Link: What is it?
Yessica M.	Elliott	Nursing	Healthy Childbearing for Women over the age of 35
Cristina	Figlio	Nursing	Gestational Diabetes: Benefits of Lifestyle Modification
William	Fletcher	Environmental Science and Resource Management	Least Bell's Vireo within Long Grade Creek watershed
Richard	Galvan	Computer Science	Time-Management System for Student Assistants
Susan	Garrison	Nursing	Indications for wound vac and gauze dressings
Domenic	Giudice	Environmental Science and Resource Management	Steelhead migration on Piru Creek
Diane	Glover	Nursing	Obstructive Sleep Apnea: The Best Treatment Modality for Adults
Shannon	Gray	Nursing	Does pharmacological treatment with Statins decrease the risk of cardiovascular disease in children with high cholesterol?
Athanasia	Groff	Biology	Study of aggressive periodontal disease and its association with coronary artery disease.
Danielle	Healey	Nursing	Aids to Smoking Cessation

<u>Presenter</u>		<u>Academic Program</u>	<u>Project Title</u>
Brett	Hessman	Computer Science	2-D Side Scrolling Video Game
Christine Diana	Huntley	Environmental Science and Resource Management	Integrating creek restoration and ecosystem values into the campus culture
André	Jamerson	Nursing	Clinical management of Diabetic Ketoacidosis
Alexa	Johnson	Environmental Science and Resource Management	Restoration of Anacapa Island through Iceplant Eradication: Developing a Management Plan
Stephanie	Jones	Nursing and Psychology	Domestic Violence: A Nurse's Role in Intervention
Keshav	Khadka	Nursing	Migraine Headache
Reed	Kraemer	Environmental Science and Resource Management	Assessing Public Attitudes Regarding A Planned Coastal Development
Michael	Latham	Environmental Science and Resource Management	Protocol to inventory CSUCI's Green House Gas Emissions
James	Lau	Computer Science	'Body Shot' Clothing Database
Daniel	Laws	Computer Science	Game Console Design
Jessica	Layman	Biology	Molecular mechanisms allowing deep sea diving mammals to maintain neurological functioning despite intense pressure
Angelica M.	Lopez	Nursing	Do culturally sensitive education programs improve the health outcomes of Spanish speaking Diabetic patients?
Andrew	Lopez	Biology	Immunomodulatory properties of cannabinoids in neuroprotective strategies and potentials for the development of new therapeutic agents.
Kerri	Macias	Nursing	The Mediterranean Diet: Reversing the Risk of CVD in Patient with Metabolic Syndrome

<u>Presenter</u>		<u>Academic Program</u>	<u>Project Title</u>
Mary Anne	Martin	Nursing	Risks and Benefits of Laparoscopic Cholecystectomies
Luke	Matjas	Art	Truth is Stranger than Function: A Full-Color Atlas of the “Natural Sciences Illustrated”
Andrea	Molina	Liberal Studies (Performing/Studio Art Emphasis)	A study of Gordon Glennon’s stage adaptation of Jane Austen’s Emma.
Chris	Nalbandian	Biology	Human disease and Population genetics correlations for best possible matching outcomes
Lydia	Nguyen	Nursing	Organic Pollutants and Diabetes
Kimberly	Nishinaka	Biology	Antibacterial soaps and hand sanitizers containing Triclosan contribute to antibacterial resistance.
Christina	Olaes	Nursing	First Aid Treatment of Thermal Burns in Children
Heather	Oreh	Biology	The effects of Migraines with and without Aura on human interaction and their workplace.
Alice	Overton	Biology	Hormone Levels and Anger/Aggression in Adolescent Males
Natalie	Palomares	Nursing	Cancer-Related Fatigue
Andrew	Pascual	Nursing	Treating Neurogenic Bladder: Bladder Training vs. Botox
Kathleen	Pelham	Nursing	Therapeutic hypothermia in cardiac arrest patients.
Nick	Peters	Computer Science	Distributed Computing with Hadoop
Valerie	Pulido	Nursing	Idiopathic Pulmonary Fibrosis
Nicole	Ray	Nursing	Does influenza in pregnancy cause schizophrenia in offspring?

<u><i>Presenter</i></u>		<u><i>Academic Program</i></u>	<u><i>Project Title</i></u>
Danielle	Richmond	Nursing	Endometriosis: Treatment Measures for Women of Childbearing Age
Maria	Rivera	Nursing	Cervical cancer and HPV
Ryan	Rollins	Computer Science	Secret Wars: The Food Chronicles
Katie	Rycroft	Nursing	Why Human Papillomavirus (HPV) vaccine?
Lynsey	Schroeder	Environmental Science and Resource Management	Evaluating Alternative Food Sources for Honeybees
Stephanie	Serna	Nursing	The Effects of Behavioral Therapy on Autistic Toddlers
Chris	Sigmon	Environmental Science and Resource Management	Use of GIS to evaluate land use change in coastal lagoon
Robyn	Smith	Nursing	Probiotics and Irritable Bowel Syndrome
Michael T.	Smith	Environmental Science and Resource Management	Water Quality of the Oxnard Industrial Drain
Arielle	Stucki	Nursing	Medical marijuana usage in oncology patients
Rodrigo M.	Suarez	Nursing	When Good Intentions Go Bad: How Physicians and Surrogate Decision-Makers Adversely Affect the Quality of Life of Terminally-Ill Patients
Timothy	Tieman	Nursing	Does electric neurostimulation promise to be a potentially groundbreaking treatment for those in persistent vegetative states?
Ryan	Tremearne	Environmental Science and Resource Management	Evaluating sustainable forms of transportation at CSUCI
Danielle	Tusi	History/Anthropology	A Journey through Historical Rancho Guadalupe and Surrounding Areas

<u><i>Presenter</i></u>		<u><i>Academic Program</i></u>	<u><i>Project Title</i></u>
Sac-Nicte	Vargas-De Lira	Nursing	What are the health benefits of breastfeeding?
Vanessa	Verity	Biology	How does the new chemo pill Temodar affect brain cancer cells?
Alison	Wall	Biology	Does the presence or absence of a host anemone promote significant changes in anemonefish interspecific aggression? A comparative study of Amphirion percula and 3 other commonly kept reef species.
Brock	Warmuth	Environmental Science and Resource Management	Noise Pollution and the Humpback Whale
Hope	Wemyss	Nursing	Long Term Cardiovascular Health in Testicular Cancer Survivors
Linda	Whisenhunt	Nursing	Prevent the Spread of H1N1
Robert	Williams	Nursing	Comparison of Hemostatic Dressings Used in Hemorrhage Control
Lisa	Winfrey	Environmental Science and Resource Management	Global Climate Change and its Impact on the Breeding Populations of California Shorebirds
Jacqueline	Wong	Nursing	Circumcision and Urinary Tract Infection
Mikaj	Yannoulatos	Environmental Science and Resource Management	Are CSUCI student attitudes and behaviors reflecting their knowledge of environmental sustainability

Group Poster Presentations

<u>Presenters</u>	<u>Academic Program</u>	<u>Project Title</u>
Ryland Cleveland and Meghan Koch	Anthropology	A Forgotten Feature of CSUCI
Lauren DeOliveira, Garrett Kuiken and Kenneth Cairney	Anthropology	Preliminary Analysis of CA-VEN-167
Tim Enriquez, Johnny Cunningham, Joel Malone, Tristan Cassel, Jonathan Gorodenzik, and Luke Matjas	Art	Focus: The Braceros of Ventura County – Designing a Dynamic Exhibition
Brittany Bagdanov, Jessi Loe, Dr. Rachel Cartwright and Dr. Charles Sackerson	Biology	Cloning and sequencing of the myoglobin promoter from the common dolphin, <i>Delphinus capensis</i>
Ashley Bonneau and Mary Grabiak	Biology	Effect of TCTP expression on bacterial growth under stress conditions
Alison Wall, Jean Remonida, Andrew Wilson and Dr. Rachel Cartwright	Biology	Calculating the theoretical aerobic dive limit of humpback whale calves
Jared Penland, Beatrice Villata and Dr. Rachel Cartwright	Biology	Using fluke Identification tools to detect behavioral trends in Hawaii's humpback whales
Lisa Armstrong, Ashley Bonneau, Kevin Eden, Illiana Espinoza, Jared Penland, Jessica Perez, Jean Remonida, Beatrice Villata, Jessica Warren, Dr. Rachel Cartwright and Dr. Blake Gillespie	Biology	Habitat preference in Hawaii's humpback whales
Paramjit Singh, Andrew Paden, and Dr. Nitika Parmar	Biology	Bioplastics: Isolation and Identification of Novel Bioplastic Producing Bacteria
Dr. Ruben Alarcón, Corina Giron, Erica Pandolfi, Stephen Pfeiler and Lyndsey Schroeder	Biology and Environmental Science and Resource Management	Using mustards as supplemental forage to strengthen honeybee (<i>Apis mellifera</i>) colonies.
Paulina E Kolic and Dr. Simone Aloisio	Chemistry	Simultaneous ground level ozone and NO _x measurements in Ventura County, California using portable ozone and NO _x instruments

<u>Presenters</u>	<u>Academic Program</u>	<u>Project Title</u>
Aaron J Saterlee, Steven A. Harrison, Christina C. Lemar and Dr. Simone Aloisio	Chemistry and Environmental Science and Resource Management	Analytical testing of mercury (Hg) levels in consumer fish supplies using atomic absorption spectroscopy: An analytical chemistry module as part of an interdisciplinary class for undergraduate science students
Dr. Christopher Cogan, Jose Lopez, Vanessa Mayo, Courtney Neuman and John Slagboom	Environmental Science and Resource Management	Donated Monuments at CSUCI
Ed Nuhfer (CI), Jerry Clifford (CI), Chris Cogan (CI), Anya L. Goodman (Cal Poly SLO), Carl Kloock (CSU-Bakersfield), Beth Stoeckly (CI), Chris Wheeler, (CI), Greg Wood (CI), Natalie Zayas (CSU-Monterey Bay)	Faculty Development and Science	Developing A Science Literacy Concept Inventory
Dr. Ed Nuhfer, Dr. Steven Fleisher and Dr. Stephen Lefevre	Faculty Development	Knowledge surveys for assessment and alignment: A faculty development learning object
Dr. Ahmed Awad, Dr. Simone Aloisio, Dr. Christopher Cogan, Dr. Steven Norris, Dr. Uta Passow, Dr. Christopher Wheeler, And Dr. William Wolfe	HSI-STEM Grant	Field Studies on Satan Cruz Island
Cole Rieger, Robert Stukes, Dr. Ivona Grzegorzcyk, and Dr. Ron Rieger	Mathematics	Using Video Games to Teach Math
Jennifer Bonsangue and Dr. Ivona Grzegorzcyk	Mathematics	Cubic Algebraic Surfaces
Danika Lindsay and Jennifer Waters	Mathematics	Properties of Cubic Surfaces
Blair Cuny, Stephanie Serna, Heather Todd, Jennifer McDonald and Dr. Kimmy Kee-Rose	Psychology	Why Are We The Obese Nation?
Dana Lockwood, John Jalandoni, Lynette Davidson, Jacob Jones, Allison Welsh and Dr. Kimmy Kee-Rose	Psychology	Autonomic Activation and Psychosocial Adjustment In Students With High Versus Low Emotional Intelligence

Presenters**Academic Program****Project Title**

Jennifer McDonald and Dr. Kimmy
Kee-Rose

Psychology

Motivation Processes and Psychosocial Adjustment of
University Students

Jessica Vasquez, Kelly Watson,
Bianca Villalobos, Gaby Farach,
Allison O'Leary and Dr. Kimmy Kee-
Rose

Psychology

The Effects of Empathy, Desire to Control, and Emotional
Processing on Conformity

Brandon Dowling, Kaitlyn Hennessy,
Katrina Newcomb, Melissa White,
Douglas Whitesell, Dr. Scott Frisch
and Dr. Sean Q. Kelly

Political Science

Learning to Earmark: Seniority, Party and the Politics of the
Pork Barrel

Thanks & Acknowledgements

Many thanks to the following individuals and groups for supporting the Second Annual Faculty Student Research Forum.

President: Richard R. Rush

Provost and VP for Academic Affairs: Dawn Neuman

Dean of the Faculty: Ashish K. Vaidya

Student Research Steering Council

Tracylee Clarke (Co-Chair)

Kathryn Leonard (Co-Chair)

Phil Hampton

Joan Karp

Colleen Delaney-Rivera

Paul Rivera

Nitika Parmar

Cindy Wiles

Sean Kelly

Debra Hoffmann

Kimmy Kee-Rose

John Spoor Broome Library Staff

Special Thanks to:

Callie Juarez, Executive Assistant to the Dean of the Faculty

Merissa Stith, Interim Faculty Support Coordinator

Jessica Turner, Student Assistant

Amber Weir, Events Coordinator

We would like to acknowledge SAGE Publications for their generous support.

Notes

John Spoor Broome Library - FIRST FLOOR



	EMERGENCY EXITS	ADMINISTRATION & CONFERENCE ROOM	1576 & 1670
	CLASSROOMS	BEST SELLERS, CD, DVD, & VHS COLLECTION	1550
	SERVICES	CHECK OUT	1531
	LIBRARY COLLECTION	CHILDREN'S COLLECTION	1620
	GROUP STUDY	CLASSROOMS	1310, 1350, 1360, 1710, 1750, 1756, 1760
	QUIET STUDY	COMPUTER LAB	1330
	OFFICES	EDUCATION ACCESS CENTER	1740
	REST ROOMS	EXHIBITION HALL	1320, 1420
	PHOTOCOPIER	GROUP STUDY	1720, 1732, 1734, 1753, 1754
	COPY CARD MACHINE	INTERLIBRARY LOAN	1580
	ELEVATOR	I.T. HELP DESK	1340
		LAGOMARSINO ARCHIVES	1680
		LIBRARIAN OFFICES	1471-1474, 1571-1574, 1582-1588
		REFERENCE COLLECTION	1550
		STUDENT TOWN HALL	1730

John Spoor Broome Library - SECOND FLOOR & ROOF TERRACE



- EMERGENCY EXITS
- CLASSROOMS
- SERVICES
- LIBRARY COLLECTION
- GROUP STUDY
- QUIET STUDY
- OFFICES
- ♂ ♀ REST ROOMS
- P PHOTOCOPIER
- S COPY CARD MACHINE
- E ELEVATOR

ACADEMIC TECHNOLOGY SERVICES.....	2675
APPLICATIONS SOLUTION GROUP	2470
CLASSROOMS	2325, 2330, 2480, 2490
DIGITAL LIBRARY & INFORMATION SYSTEMS	2675
GALLERY	2537
GROUP STUDY	2720, 2730, 3533, 3537
J. HANDEL EVANS CONFERENCE ROOM.....	2533
LEARNING RESOURCES CENTER	2760
MEDIA LAB	2680
UNIVERSITY WRITING CENTER.....	2360
ROOF TERRACE.....	3533 & 3537

