

**Session I, Oral Presentations, 8:30-9:50 AM**  
**Building 9**

*Each presentation is allotted 15 minutes followed by a three minute question and answer period. Each session will have a chair who will introduce each speaker and keep time. Participants are asked to adhere to conference etiquette guidelines and remain in the room for the entire session. Audience members are asked to not leave or enter a room while a presenter is speaking.*

**Room 211. Ecology, Evolution and Behavior – I**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
8:30 AM	Haley P. O'Mara	Understanding the degree of invasiveness of annual plants: A functional approach	R. Brandon Pratt Anna Jacobsen L. Maynard Moe
8:50 AM	Ryan W. Hunter	Isolation of Tetranucleotide Microsatellite Repeats from the California Treefrog, <i>Hyla cadaverina</i>	Thomas Vandergon
9:10 AM	Diana Y. Chen Abril Iniguez	The <i>Hydra viridissima</i> - <i>Chlorella</i> symbiosis: Evidence for multiple algal replacements	Daniel Martinez
9:30 AM	Aik Roy Heng	The relationship between jaw morphology and prey capture behavior in anurans.	Alvin Kristopher Lappin

**Room 213. Physiology**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
8:30 AM	Tiffany A. Ornelas	Calcium Sensing Receptor (CaSR) Regulates Calcium Homeostasis via Extracellular Calcium Influx in Human Aortic Smooth Muscle Cells	Hui Dong Jimmy Chow
8:50 AM	Eric Hu	Phosphorylation leads to Activation of M-calpain via the MAP Kinase Pathway.	Karoline Rostamiani Michel Baudry
9:10 AM	Homero Vazquez	The Role of Electrostatics in the Function of Factor H, and its Relation to Complement System-Mediated Disease	Dimitrios Morikis

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**Room 219. Medicine**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
8:30 AM	Nichole P. Niknafs	A Prospective Evaluation of Bedside Ultrasound in the Emergency Department for Cholelithiasis and Cholecystitis	John Christian Fox
8:50 AM	Samer Roumani Sarahi Loya	Cross Border Utilization of Health Services	Shahram Lotfipour Michael Menchine
9:10 AM	Christopher H. Jackson	Fistula-in-Ano: A Five-Year Experience	Maher Abbas
9:30 AM	Melissa M. Urrutia	Treatment Options for Grade III Acromioclavicular Joint Separation	Patricia Van Oosbree

**Room 239. Microbiology and Molecular Genetics - I**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
8:30 AM	Danielle M. Gutierrez	Prevalence and Fluroquinolone Resistance of <i>Campylobacter jejuni</i> in Successive Poultry Flocks	Shelton Murinda Teresa Morishita
8:50 AM	Trang V. Lu	Thermal Sensitive Liposomes (TSLs)	Jill Adler-Moore
9:10 AM	Eli Sayegh	Localization and calpain-mediated destruction of FKBP10 following ER stress	Jay Brewster
9:30 AM	Brandie N. Proctor April Wayman	Effects of pH and cytosine basicity on oxidative DNA-protein crosslinking	Eric D.A. Stemp

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**Room 243. Organic Chemistry - I**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
8:30 AM	Vikram T. Savani	Controlling the function of a DNA actuator.	Phil Lukeman
8:50 AM	Ali Ebrahim	Sequence Specific Detection of Proteins with a Multiplexed DNA Array	Jacqueline Barton
9:10 AM	Kathryn L. Griffin	Effects of Pentanol Isomers on the Phase Behavior of Phospholipid Bilayer Membranes	Phoebe Dea
9:30 AM	Rebecca Nolan	Photosensitized Oxidation of G-Quadruplex Conformations of Guanine Derivatives	Jeremy McCallum

**Room 247. Physics - I**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
8:30 AM	Forrest Hippensteel	Imaging Analysis for Subwavelength Microscopy	Alexander Small
8:50 AM	Edward H. Chen	Vortex Interactions in a Rotating, Multi-Component Bose-Einstein Condensate	Ryan Barnett
9:10 AM	Adrian K. Chapman	Reducing Latency in a Gravitational Wave Search for Compact Binary Coalescence	Chad Hanna
9:30 AM	Eric T. Mintun	Development of a Digital Camera Network and Associated Analytical Tools for the Caltech 40m LIGO Prototype	Rana Adhikari Alan Weinstein Joseph Betzwieser

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**Room 251. Astronomy - I**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
<b>8:30 AM</b>	<b>Gregorio G. Villar III</b>	<b>A New Morphological Classification System For Planetary Nebulae</b>	<b>Alexander Rudolph</b>
<b>8:50 AM</b>	<b>Patrick Armitage Grigor Dzhambazyan</b>	<b>Computer Animation: Bringing astronomical discoveries to life</b>	<b>Tony Longson Eun-Young Elaine Kang Milan Mijic</b>
<b>9:10 AM</b>	<b>Amanda McAuley Joanne Sasutil</b>	<b>The nature of discrete optical and X-ray sources in disturbed galaxy NGC 4656</b>	<b>Milan Mijic</b>
<b>9:30 AM</b>	<b>Aditya Khosla</b>	<b>Automated transient classification using a Bayesian Event Classifier</b>	<b>George Djorgovski Ciro Donalek</b>

**Room 255. Materials and Industrial Engineering - I**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
<b>8:30 AM</b>	<b>Christopher Le Michael W. Sandberg Joshua M. Hansen Otilio G. Serna II</b>	<b>Corrosion Studies of Titanium Alloys in Sodium Chloride Solutions</b>	<b>Vilupanur Ravi</b>
<b>8:50 AM</b>	<b>Carrie Schindler</b>	<b>Electrospun PCL/CNF Scaffolds Coated with HA/BMP-2 for Localized Bone Reformation</b>	<b>Derrick Dean</b>
<b>9:10 AM</b>	<b>Travis Thompson Michael Pantell Diana Simon</b>	<b>Organically Modified Silica Aerogels have been Prepared for Acoustical Impedance and Absorption Coefficient Optimization</b>	<b>Tanya Faltens Winnie Dong</b>
<b>9:30 AM</b>	<b>Maria L. Lacayo</b>	<b>A User Interface System for the Technical Inventory Management Group - California State Polytechnic University, Pomona</b>	<b>Kamran Abedini</b>

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**Room 269. Engineering Systems**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
<b>8:30 AM</b>	<b>Christian J. Bartolome</b>	<b>Laboratory Modeling of the Air Quality Impact of the Distributed Power Generation</b>	<b>Marko Princevac</b>
<b>8:50 AM</b>	<b>Jacob Relles</b>	<b>Statistical Capacitance Modelling For Smooth Surface Irregularities Under Process Variations</b>	<b>Sheldon X-D. Tan</b>
<b>9:10 AM</b>	<b>Israel Ramirez Mike Ballou Margaret Ukwu Jiann-Tyng "Robert" Lu</b>	<b>US-China IRES Program: Design, fabrication and characterization of semiconductor devices for RF and mixed-signal integrated circuits.</b>	<b>Albert Wang</b>
<b>9:30 AM</b>	<b>Derek Smith</b>	<b>Ultimate Lecture Capturing Client</b>	<b>Nazmul Ula</b>

**Room 281. International Education Issues**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
<b>8:30 AM</b>	<b>Alma I. Flores</b>	<b>Keeping the Fight Going: Language Ideology at César Chávez Charter School</b>	<b>Kris Gutierrez</b>
<b>8:50 AM</b>	<b>Joshua Frank</b>	<b>Indigenous Immersion Education: Historicizing Indigenous Struggles for Cultural and Linguistic Reclamation, Revitalization and Decolonization</b>	<b>DeAnna Rivera</b>
<b>9:10 AM</b>	<b>Rosaura Figueroa</b>	<b>Borderless Identities: Examining Transnationalism Through a Leadership Development and Capacity Building Program</b>	<b>Rigoberto Rodriguez Galen Pickett</b>
<b>9:30 AM</b>	<b>Elizabeth Gonzalez</b>	<b>The Impact of Parental Deportation on Latino Adolescents' Academic Adjustment</b>	<b>Andrew Fuligni</b>

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**Room 303. Prosocial Behavior**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
<b>8:30 AM</b>	<b>Chelsea A. Jehle</b>	<b>What Motivates People Join and Actively Protest within the Peace Movement?</b>	<b>Lynn Horton</b>
<b>8:50 AM</b>	<b>Leslie C. King</b>	<b>A Debate on Federal Intervention in New Orleans After Hurricane Katrina</b>	<b>Joyce Kaufman</b>
<b>9:10 AM</b>	<b>Liliana Sanchez</b>	<b>Feminist Consciousness: Why Women Activists Work Towards Reproductive Justice</b>	<b>Susan Castagnetto</b>

**Room 305. Health**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
<b>8:30 AM</b>	<b>Danielle M. Vinas</b>	<b>Do Intimate Relationships Affect Your Health?</b>	<b>Theodore Robles</b>
<b>8:50 AM</b>	<b>Joanne M. Barba</b>	<b>Health and Media as an Influential Factor in the Increase of Childhood Obesity</b>	<b>Larry Rosen</b>
<b>9:10 AM</b>	<b>Julie D. Felt</b>	<b>The relationship between media usage and childhood wellbeing</b>	<b>Larry Rosen Mark Carrier</b>
<b>9:30 AM</b>	<b>Katherine D. Ore</b>	<b>Autism Spectrum Disorders</b>	<b>Lucy O'Connor</b>

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**Room 307. Geography**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
8:30 AM	Cameron Burkett Juan R. Morales	The Next Hot Spot in Los Angeles	Stephen Koletty
8:50 AM	Christian A. Maltbaek Lucy Harrington	The Native American Cultural Landscape in Riverside County	Lynn Swartz Dodd Steven Koletty
9:10 AM	Alberto D. Velázquez	Carrillo's Gardens and the Frontier: The Function and Social Role of Tucson Parks	Katherine Morrissey Lydia Otero
9:30 AM	Kevin R. Kelly	The Geography of College Eligibility in Los Angeles	Stephen Koletty

**Room 313. Teaching/Education**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
8:30 AM	Dung C. Bui	The Effects of Preparing To Teach On Main and Detail Ideas	Elizabeth Bjork
8:50 AM	Fan Chi Kung	A Hybrid Approach to Teaching Chinese Phonetic Systems	Kylie Hsu
9:10 AM	Laura J. Urtubey	Maternal Experiences in Guanajuato, Mexico: A study of Early Intervention in Special Education	Todd Fletcher
9:30 AM	Francisco Covarrubias	It takes a village to raise a child: The role of counselors and parents in Latina/o Academic Success	Gilda Ochoa

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**Room 325. Female Representations in Art**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
<b>8:30 AM</b>	<b>Kayleigh C. Perkov</b>	<b>Tracing the Evolving Image of La Malinche</b>	<b>Charlene Villaseñor Black</b>
<b>8:50 AM</b>	<b>Jane K. Arney</b>	<b>On the Wings of Artemis: the Transformation of an Oriental Goddess</b>	<b>Wendy Raschke</b>
<b>9:10 AM</b>	<b>Erica Gonzalez-Cisneros</b>	<b>A Comprehensive Vision of Chicana Women's Empowerment: Analyzing the Artwork of Chicana Artist Barbara Carrasco</b>	<b>Irene Vasquez</b>
<b>9:30 AM</b>	<b>Elizabeth A. Dwyer</b>	<b>The Persuasion, Politics, and Power of Image: Investigating Titian's Visual Construction of Federico Gonzaga II, Marquis of Mantua</b>	<b>Joanna Woods-Marsden</b>

**Room 333. Indigenous Peoples**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
<b>8:30 AM</b>	<b>Itzel Olivares</b>	<b>"Racial Conflicts and Identity Crisis in Rosario Castellanos' Balún Canán"</b>	<b>Lucia Cunningham</b>
<b>8:50 AM</b>	<b>Kate E. Presley</b>	<b>A Quiet Language No one can Understand: The Native Child as Subaltern Subject in Kingsolver's Pigs in Heaven</b>	<b>John Swift</b>
<b>9:10 AM</b>	<b>Kelby C. Tursick</b>	<b>Jamestown: A Global Colony</b>	<b>Michaela Reaves</b>

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**Room 335. Literature**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
<b>8:30 AM</b>	<b>Allison Beresford</b>	<b>Voices of Subversion: Hungarian Literature under Communism</b>	<b>Walter Comins-Richmond</b>
<b>8:50 AM</b>	<b>Alison L. Kjeldgaard</b>	<b>Exploring Narrative Time, Circular Temporalities, and Growth in J.M. Barrie's Peter and Wendy</b>	<b>Julie Prebel Damian Stocking</b>
<b>9:10 AM</b>	<b>Michelle A. Gamboa</b>	<b>The Chicago World's Fair, the Search for Unity, and the Comics Reading Experience in Chris Ware's Jimmy Corrigan: The Smartest Kid on Earth</b>	<b>Raul Villa</b>
<b>9:30 AM</b>	<b>Amanda J. Setto</b>	<b>The Four Humours Throughout Medieval and Renaissance English Literature</b>	<b>Ariane Balizet</b>

**Room 423. Religion, Philosophy and Literature**

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
<b>8:30 AM</b>	<b>Clinton G. Packman</b>	<b>Clearing the Confusion on Consciousness: A Study of the Knowledge Argument and its Implications</b>	<b>Wayne Wright</b>
<b>8:50 AM</b>	<b>Stephen S. McGee</b>	<b>Religion and Technology: A Study of religious faith and its Impact on the use of Information and Communication Technology</b>	<b>Larry Rosen</b>
<b>9:10 AM</b>	<b>Michelle A. Mastro</b>	<b>Alexander Pope as Reader: Milton's Inverse Trinity in <i>The Dunciad</i></b>	<b>Helen Deutsch</b>
<b>9:30 AM</b>	<b>Julian A. Mitchell</b>	<b>Baldwinism Deconstructing Colonialism in Language</b>	<b>John Swift</b>