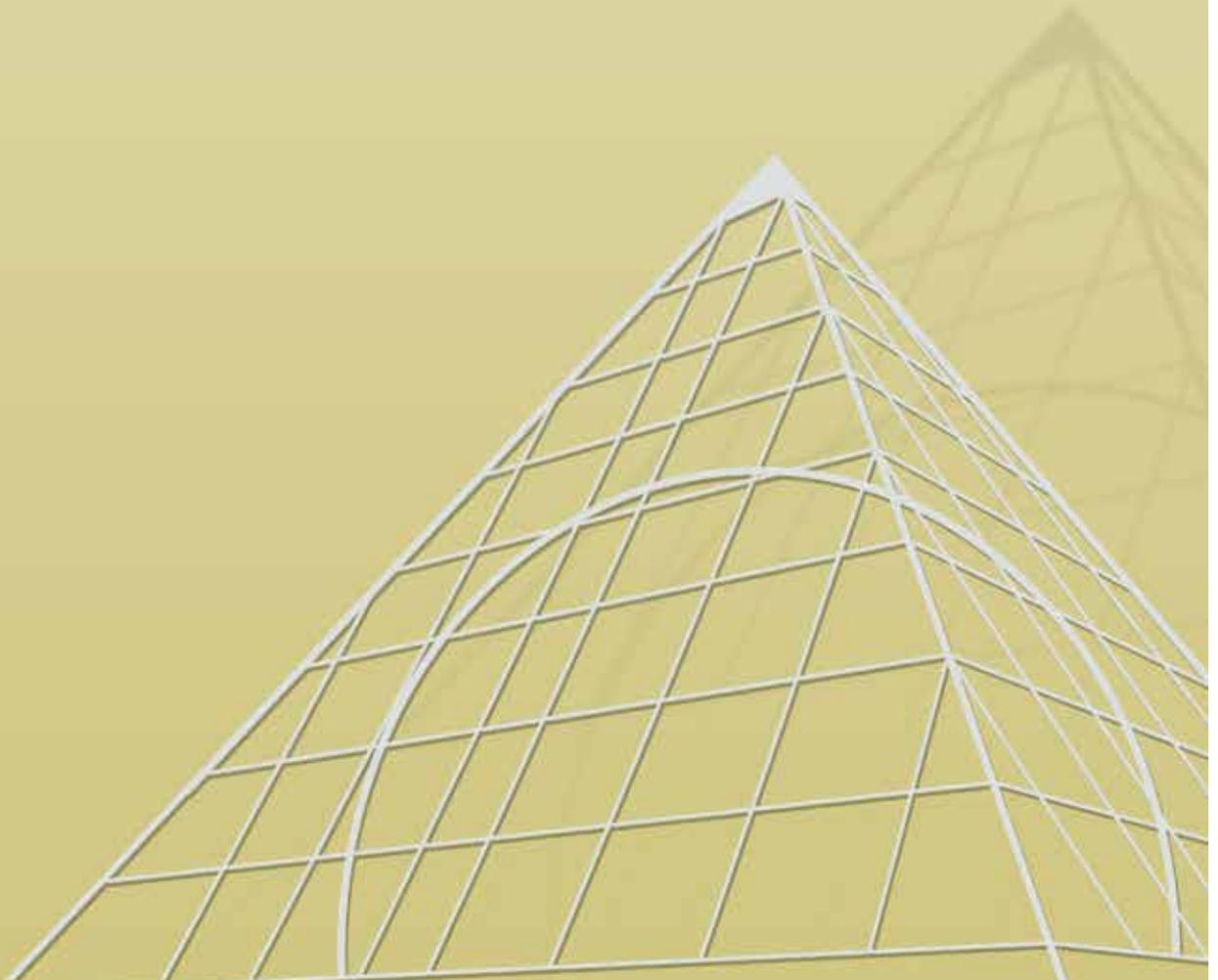


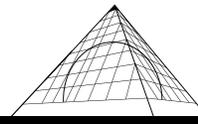
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**Lamar Bruni Vergara  
& Guillermo Benavides Z**  
**Academic Conference 2014**

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**March 27 & 28, 2014**



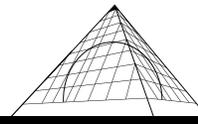
## Thank you

In an effort to become a premier international research and teaching institution, **Texas A&M International University (TAMIU)** provides a variety of opportunities to undergraduate and graduate students to get involved in research, scholarly and creative work, whether classroom-based or through student-faculty collaborative projects. This has allowed our students to gain an increased interest and knowledge in academic research and scholarship. As a result, many students have published their work in academic journals and have presented at regional, national and international professional conferences, including The Texas A&M University System Pathways Student Research Symposium. All of these experiences are preparing our students to become the next generation of scholars and leaders.

For the past 5 years, the Lamar Bruni Vergara Academic Conference has allowed students to present their research to a **TAMIU** audience and to be recognized for their hard work and dedication. In addition, this event gives them the impetus to improve their critical thinking and presentation skills in a professional setting.

For the next two days, graduate and undergraduate students from all disciplines will present their scholarly work through the entire oral and performance presentations. This interdisciplinary event involves all of the **TAMIU** community and encourages students, faculty and staff to learn about the topics that are being studied on campus.

For this and many other reasons, we would like to recognize and thank the Lamar Bruni Vergara Trustees, Guillermo Benavidez Z., J.C. Martin III and James H. Pearl, for funding this research conference. The University appreciates their continuous support and partnership in fostering the intellectual and professional development of our student researchers.



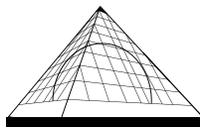
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## Welcome

**D**ear Lamar Bruni Vergara Student Research Conference Participants,

I would like to welcome each of you to the annual Lamar Bruni Vergara Student Research Conference. This is an exciting time for all of us as we celebrate the research and scholarly/creative accomplishments of our undergraduate and graduate students and their faculty mentors. This Conference is an outstanding example of **TAMIU**'s continued commitment to developing rich educational and research opportunities for students and faculty as we continue our journey to become a premier international teaching/research institution.

Known for their intellectual curiosity and academic acumen, **TAMIU** students have excelled at distinguishing themselves as being among some of the strongest academically prepared students in The Texas A&M University System. For the next two days, you will have the unique opportunity to see and hear students present the fruits of long hours in the laboratory, studio, library, classroom and the community. I know you will find that the work of these young men and women is intellectually stimulating and academically sound and adds new knowledge and perspectives to their respective disciplines.

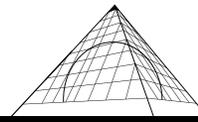
It is my sincere wish that each of you enjoy the next two days, but more importantly that you grow intellectually. It is also our hope that the Lamar Bruni Vergara Research Conference will become one of The Texas A&M University System's most widely recognized and respected student research conferences.

Sincerely,

A handwritten signature in black ink, appearing to read "Pablo Arenaz".

**Pablo Arenaz, Ph.D.**

*Provost and Vice President for Academic Affairs*



## Conference Committee Members

Whitney Bischoff	Committee Member
Debbie Blackwell	Committee Member
Jeffrey Brown	Dean, Office of Graduate Studies and Research
Jorge Brusa	Committee Member
Pablo Camacho	Committee Member
Anna Cieslicka	Committee Member
James Cohen	Committee Chair
John Dean	Committee Member
Rebecka English	Committee Member, Student Representative
Zoila Franco-Hinojosa	Committee Member
María Flores	Committee Member
Kelly Frailing	Committee Member
Luciana García	Committee Member, Student Representative
Leebrian Gaskins	Committee Member
Jesse González	Committee Member
Rohitha Goonatilake	Committee Member
San Juanita Hachar	Committee Member
Roberto Heredia	Committee Member
Marina Hinojosa	Committee Member
Celeste Kidd	Committee Member
John Kilburn	Committee Chair
Runchang Lin	Committee Member
Sumalai Maroonroge	Committee Member
Lola Norris	Committee Member
Kamal Parhizgar	Committee Member
Alia Paroo	Committee Member
Ken Tobin	Committee Member
Marivic Torregosa	Committee Member
Leticia Valle	Committee Member
Qingquan Wu	Committee Member

## Special Thanks

for their contributions to the Conference:

Candy Hein The Office of Institutional Advancement

*Candy Hein*

Office of Research and Sponsored Projects

*Jeffrey Brown, Zoila Franco-Hinojosa, Anne Frey, Celeste Kidd, John Kilburn, Marina Hinojosa, Luciana García*

Office of Graduate Studies and Research

Office of Public Relations

*Daniel I. Tijerina*

Office of Community Relations and Special Events

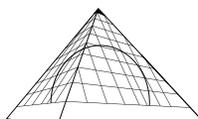
*Jesse González, Sandra López, Erika Rodríguez*

Aramark Catering

TRiO Student Support Services

*Leticia Valle and Student Volunteers*

Conference Judges and Mentors



# Schedule / Agenda

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## Thursday - March 27, 2014

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### Registration

11:00 A.M. – 6:00 P.M.      Registration      Zaffirini Success Center 101

### Poster Sessions

1:30 – 2:00 P.M.      Poster Session #1 (Set-Up)      Zaffirini Success Center 101

2:00 – 3:30 P.M.      Poster Session #1      Zaffirini Success Center 101

3:30 – 4:00 P.M.      Poster Session #1 (Take-Down)      Zaffirini Success Center 101

5:00 – 5:30 P.M.      Poster Session #2 (Set-Up)      Zaffirini Success Center 101

5:30 – 7:00 P.M.      Poster Session #2      Zaffirini Success Center 101

7:00 – 7:30 P.M.      Poster Session #2 (Take-Down)      Zaffirini Success Center 101

### Oral Sessions

1:00 – 2:30 P.M.      Oral Session #1      Student Center 225, 230, 231

2:30 – 4:00 P.M.      Oral Session #2      Western Hemispheric Trade Center 125, 126

4:00 – 5:30 P.M.      Oral Session #3      Student Center 225, 230

5:30 – 7:00 P.M.      Oral Session #4      Center for the Fine and Performing Arts 108

7:00 – 8:30 P.M.      Oral Session #5      Pellegrino Hall 221

8:30 – 10:00 P.M.      Oral Session #6      Student Center 230, 231

10:00 – 11:30 P.M.      Oral Session #7      Western Hemispheric Trade Center 125, 126

11:30 P.M. – 1:00 A.M.      Oral Session #8      Pellegrino Hall 221

1:00 A.M. – 2:30 A.M.      Oral Session #9      Student Center 230, 231

2:30 A.M. – 4:00 A.M.      Oral Session #10      Western Hemispheric Trade Center 125, 126

4:00 A.M. – 5:30 A.M.      Oral Session #11      Pellegrino Hall 221

5:30 A.M. – 7:00 A.M.      Oral Session #12      Student Center 230, 231

7:00 A.M. – 8:30 A.M.      Oral Session #13      Western Hemispheric Trade Center 125, 126

8:30 A.M. – 10:00 A.M.      Oral Session #14      Pellegrino Hall 221

10:00 A.M. – 11:30 A.M.      Oral Session #15      Student Center 230, 231

11:30 A.M. – 1:00 P.M.      Oral Session #16      Western Hemispheric Trade Center 125, 126

1:00 P.M. – 2:30 P.M.      Oral Session #17      Pellegrino Hall 221

2:30 P.M. – 4:00 P.M.      Oral Session #18      Student Center 230, 231

4:00 P.M. – 5:30 P.M.      Oral Session #19      Western Hemispheric Trade Center 125, 126

5:30 P.M. – 7:00 P.M.      Oral Session #20      Pellegrino Hall 221

7:00 P.M. – 8:30 P.M.      Oral Session #21      Student Center 230, 231

8:30 P.M. – 10:00 P.M.      Oral Session #22      Western Hemispheric Trade Center 125, 126

10:00 P.M. – 11:30 P.M.      Oral Session #23      Pellegrino Hall 221

11:30 P.M. – 1:00 A.M.      Oral Session #24      Student Center 230, 231

1:00 A.M. – 2:30 A.M.      Oral Session #25      Western Hemispheric Trade Center 125, 126

2:30 A.M. – 4:00 A.M.      Oral Session #26      Pellegrino Hall 221

4:00 A.M. – 5:30 A.M.      Oral Session #27      Student Center 230, 231

5:30 A.M. – 7:00 A.M.      Oral Session #28      Western Hemispheric Trade Center 125, 126

7:00 A.M. – 8:30 A.M.      Oral Session #29      Pellegrino Hall 221

8:30 A.M. – 10:00 A.M.      Oral Session #30      Student Center 230, 231

10:00 A.M. – 11:30 A.M.      Oral Session #31      Western Hemispheric Trade Center 125, 126

11:30 A.M. – 1:00 P.M.      Oral Session #32      Pellegrino Hall 221

1:00 P.M. – 2:30 P.M.      Oral Session #33      Student Center 230, 231

2:30 P.M. – 4:00 P.M.      Oral Session #34      Western Hemispheric Trade Center 125, 126

4:00 P.M. – 5:30 P.M.      Oral Session #35      Pellegrino Hall 221

5:30 P.M. – 7:00 P.M.      Oral Session #36      Student Center 230, 231

7:00 P.M. – 8:30 P.M.      Oral Session #37      Western Hemispheric Trade Center 125, 126

8:30 P.M. – 10:00 P.M.      Oral Session #38      Pellegrino Hall 221

10:00 P.M. – 11:30 P.M.      Oral Session #39      Student Center 230, 231

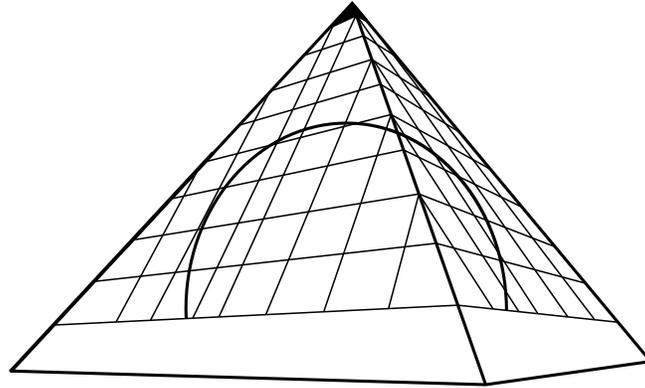
11:30 P.M. – 1:00 A.M.      Oral Session #40      Western Hemispheric Trade Center 125, 126

### Closing Ceremony – Awards Banquet

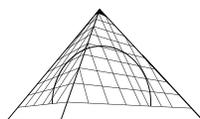
### Special Speaker

Dr. George Clarke – 2013 University Scholar of the Year

6:00 – 8:00 P.M.      Student Center Ballroom



# **LBV Academic Conference Presentations**



# Poster Session 1

Thursday - March 27, 2014 • 2:00 – 3:30 P.M. • Zaffirini Success Center 101

No.	Presenter	Status	Discipline	Presentation Title
1	Jennifer Espinoza	US	Biology	Effect of BIGH3 Protein on RhREC
2	José Gutiérrez	US	Biology	Characterization of the Convict Cichlid (Amatitlanina siquia) Transcriptome using the Ion Torrent Personal Genome Machine
3	Amanda M. Garza	US	Biology	Quantification of in vitro effects of Acacia leaf extracts on HIV-1 reverse transcription
4	Pedro Villarreal	GS	Biology	Geographical variation in Zelotes lasalanus (Chamberlin)(Araneae: Gnaphosidae)
5	Alejandra Ovando	US	Education	How Museums Serve the Needs of a Community
6	Paul Hernández	US	Education	Utilizing teaching strategies on research studies to introduce new concepts to students
7	Andrea Palacios Elizabeth M. Sosa	US	Education	Effective Reading Strategies for English Language Learners
8	Selinda Flores	US	Education	Effective Teaching in a Multicultural Classroom
9	Jesús Cisneros	US	Education	Men Over Women
10	Manuel Rodríguez	US	Education	Reading Strategies
11	Alejandra Ramírez	US	Education	Equal Opportunities in Education
12	Clarissa Vázquez	US	Education	TAMIU International Leadership Programs
13	Maximiliano Ortiz Enrique E. Cantú Agustín Velásquez	US	Engineering	Radio Signal Analysis - Wireless Networks
14	Santos Polendo	US	Fine Arts	Non-Traditional Media-Woodburning
15	Juan Castillo	US	Fine Arts	La Familia Del Border
16	César Rivera Liliana Olivares	US	Physics	Analysis of Human Tooth by Low-Field Nuclear Magnetic Resonance (NMR)
17	Tanya Cuen Érika Medina	US	Physics	Light Amplification by Stimulated Emission of Radiation
18	Janet Haverkamp	US	Physics	Coulomb's Law
19	Jesús Vigil Enrique Ramírez Jonathan Romero	US	Physics	Astrophysics on Black Holes: The Point of No Return
20	Kristine González	GS	Psychology	The Self-Directed Search: Find Your Future
21	Jonathan Treviño	GS	Psychology	Overview of Cognitive-Behavioral Family Therapy

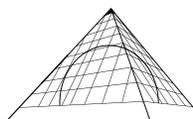
## Presentation Room Layout

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# Poster Session 2



Thursday - March 27, 2014 • 5:30 – 7:00 P.M. • Zaffirini Success Center 101

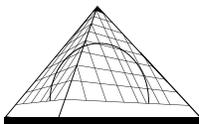
No.	Presenter	Status	Discipline	Presentation Title
22	Verónica Chávez	US	Chemistry	Antibacterial and Antifungal Drugs
23	Jessica Villarreal			
24	Jennifer Lopes Samuel De Los Reyes Selma González	US	Marketing	Possible Advertisement Shift
25	Robert Rangel Melba Gómez-Salinas Enrique Tiznado	US	Physics	Effects of Electro-Acupuncture on Muscle Tissue
26	Kassandra Compeán	GS	Biology	Characterization of synthesized NANO-encapsulated drug for bone loss on hind limb suspension rat model by NMR and micro-CT
27	Barbara Montoya	US	Biology	Evaluation of the Antimicrobial Activity from Secondary Metabolites in Plant Families (Boraginaceae, Fabaceae, Lamiaceae, and Lauraceae)
28	Érika Saenz	US	Biology	Cynoglossum of the U.S. and Canada
29	Claudia Molina	US	Biology	A Broad-scale Phylogeny of Extremophilic Bacteria
30	Vanessa Salazar	US	Education	How Does Immigration Affect Education?
31	Araceli Soto	US	Education	Behavior Management and Students Disabilities
32	María Elena Álvarez	GS	Education	Academic Success
33	María Zamora Selina Peña	GS	Education	The Effectiveness of Dual Language Programs in Elementary Education throughout the United States
34	Alessandra Guajardo	US	Education	Freaks Come Out at Night
35	Desaree Rubio Leal	GS	Education	Engaging Students in School
36	Patricia Macías	GS	Psychology	Gain Assessment
37	Carolina Pllum	GS	Psychology	Stanford Binet Intelligence Test Fifth Edition
38	Liza González	GS	Psychology	Kaufman Short Neurological Assessment Procedure
39	Victoria Peña Wualu Altamira Jesús Pérez Seven Flores Xochitl Tovar	GS	Psychology	Appraisal Techniques
40	Ándrea Almaguer	GS	Psychology	Metaphoric Reference: A Real-time Analysis of Bilingual Language Processing
41	Karla Castillo	US	Psychology	Duvall's Family Developmental Stages
42	David Martínez	US	Chemistry	Medicinal Chemistry of Modern Antibiotics
43	Afolake Akingba	US	Education	Telephone Intervention on Maintaining Fat Loss and Fitness Level Following Summer Intervention Program
44	Tracy Talavera	US	Education	Lymphocyte Apoptosis in Smokers and Non-Smokers Following Different Intensity of Exercises and Relation with Lactate
				The Effects of High A1C Levels on Hispanic Populations

## Presentation Room Layout

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# Poster Session 3

Friday - March 28, 2014 • 9:00 – 10:30 • Zaffirini Success Center 101

No.	Presenter	Status	Discipline	Presentation Title
45	Luís Vela	US	Biology	Developing Microsatellite Markers for Critically Endangered Cichlid Fish from Madagascar
46	Luz Rodríguez	US	Biology	Cloning and Sequencing of the Inhibin Gene in Tilapiine Fishes
47	Alfredo Cepeda	US	Biology	Prostanoid Hormone Receptors in Fish
48	Eileen Martínez	US	Biology	Effect of Triclosan-Contaminated Irrigation Water On Tomato Plant Growth, Triclosan Accumulation, and Soil Bacteria
49	David Vásquez	US	Biology	PCR amplification of the Androgen alpha receptor in cichlid fishes with alternative mating strategies
50	Kayla Piñeda	US	Biology	Isolation of the Estradiol Receptors in Cichlid Fishes with Alternative Mating Strategies
51	Bryant De Jesús	US	Biology	Isolation and Amplification of the vitellogenin Receptor in cichlid fishes
52	Vanessa Bravo	US	Education	Multicultural Education
53	Christina Chapa	US	Education	Multicultural Education
54	Harumi Alvarez Yen	US	Education	Cultural Diversity in the Classroom
55	Kristine González	GS	Psychology	Code Switching
56	Ana Manrique	GS	Psychology	Impact of Divorce on a Child's Academic Achievement
57	Diana Vaquera Santos	GS	Psychology	Test of Variables of Attention
58	Lupita Pérez	GS	Psychology	Piers-Harris Children's Self-Concept Scale, Second Edition
59	Santos Dávila	GS	Psychology	Issues that Lead to Divorce in Young Couples
60	Laura Escobedo	US	Psychology	Idioms
61	Annel González	GS	Psychology	Internal Family Systems Therapy
62	Veronica Pedraza Ibarra	GS	Psychology	WoodCock-Johnson III Tests of Achievements
63	Liza González	GS	Psychology	Murray Bowen: Eight Interlocking Theoretical Concepts
64	Brenda Cantú	GS	Psychology	Family Therapy to Treat Substance Use Disorders
65	Vanessa García	GS	Psychology	Marriage/Family Counseling
66	Ándrea Almaguer	GS	Psychology	Assessment CCAPS-62 used in the Student Counseling Office at Texas A&M International University
67	Griselda Vizcarra	GS	Psychology	Ivan Boszormenyi-Nagy's Contextual Therapy
68	Xochitl Tovar	GS	Psychology	An Overview of Feminist Family Therapy
69	Theodore Browne	US	Sociology	Art, Culture, and the Character of Cincinnati

## Presentation Room Layout

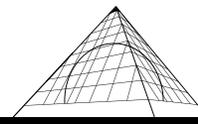
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# Poster Session 4



Friday - March 28, 2014 • 12:30 – 2:00 P.M. • Zaffirini Success Center 101

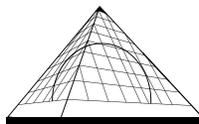
No.	Presenter	Status	Discipline	Presentation Title
70	Yesenia Macías	US	Political Science	A Look at Obama Care
71	Rogelio Cruz	US	Political Science	An Understanding of the World Around Us
72	Belinda González Araceli G. Rodríguez	GS	Education	Impact and Emerging Issues for School Counselors Dealing with Border Violence
73	Patricia Aguilar	US	Education	Low Socioeconomic Status Does Not Equal Unsuccessful Students
74	Raymond Martínez	US	Education	The Roles of an Educator
75	Enrique Romero	US	Education	What are the benefits and disadvantages of including ethnic studies in the public school curriculums?
76	Brianna Garza	US	Education	Correlation Between Obsessive-Compulsive Disorders and Asperger's Syndrome Symptoms
77	Christine Rojas	US	Education	Promoting Education through Puppetry
78	Anabell Cantú	US	Education	"Silent" Barriers, Loud Consequences
79	Yvette Garza	US	Education	The Effects of Culture and Parental Variables on Communication Skills of Hispanic Children
80	Divina Valdez			
81	Ariana Bucevicius Rubi Zavala Nola Arriaga	GS	Education	How Dyslexic Students Learn
82	Areli García	GS	Education	Jeopardy: Musical Genres
83	April Jimerson	GS	Psychology	Marriage and Divorce: The Easy Way Out
84	Betsy Abastta	GS	Psychology	Marriage And Family Counseling
85	Claudia Ramírez	GS	Psychology	Millon Clinical Multiaxial Inventory
86	Claudia Martínez	GS	Psychology	Standardized Testing: Graduate Records Examination
87	Mary Louise Sanchez	GS	Psychology	Standardized Testing: Graduate Records Examination
88	Alonzo Martínez	GS	Psychology	Thematic Apperception Test Substance Abuse Subtle Screening Inventory Literature Review
89	Amanda S. Rodríguez Itzamara De La Cruz	US	Psychology	The Impact of Border Violence on U.S. College Students Residing in México
90	Annel González	GS	Psychology	Raymond Cattell's 16 Personality Factor Model
91	Abby García	GS	Psychology	Is the KABC-II Reliable and Valid on Multicultural Students?
92	Wualu Altamira	GS	Psychology	Emotionality: Emotional Word Processing

## Presentation Room Layout

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87	88	89	90	91	92		
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# Oral Session 1

Thursday - March 27, 2014 • 1:00 – 2:30 P.M.

## Western Hemispheric Trade Center 125

No.	Presenter	Status	Discipline	Presentation Title
93	Blanca Donovan	GS	English	Integrating Speech Act Theory with Fiction Writing
94	Chamois Holschuh	GS	English	"We Can Never Be Done with the Telling": McCarthy's Literary Credo in Lacanian Terms
95	James Bryan Cornelius	GS	English	Playa Conchal
96	Michelle Rubio	GS	English	Audience Appeal Through the Dissection of Dexter

## Student Center 225

No.	Presenter	Status	Discipline	Presentation Title
97	Claudia Terrazas Rochelle Martínez Vivian Salazar Kimberly García Felicita Riojas Edna Hawkins Cynthia Zavala Julian Barboza Ángel Bolanos Michael Gutiérrez	US	Mathematics	Tornado's Force
98	Jaime Pérez Ernest Lee	US	Mathematics	Drug Distribution in a Human Body
99	Michael López Jamil M. Villarreal	US	Mathematics	Use of Fourier-Series Approximation for Economic Forecasting
100	Mario Varga	US	Mathematics	Network Security: Goals, Challenges, and Techniques in Preventing them of Security Engineering
101	Elcie C. Aguilar Mireya G. Hernández	US	Mathematics	Simple Linear Regression

## Student Center 230

No.	Presenter	Status	Discipline	Presentation Title
102	Antonio G. Carranza Elva V. Méndez	US	Mathematics	Nonlinear Relations and Linearizing Transformations
103	Yvette M. Escamilla Alessandra Guajardo	US	Mathematics	Multiple Linear Regression & Residual Plots to Check the Adequacy of a Statistical Model
104	Vanessa C. Filazzola Kimberly C. García	US	Mathematics	Introduction to Analysis of Categorical Data & Pearson's X <sup>2</sup> Test for Goodness of Fit
105	Randy González Eric Valdez	US	Mathematics	Contingency Table with One Margin Fixed & With Neither Margin Fixed

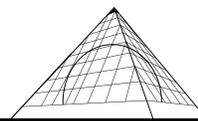
## Student Center 231

No.	Presenter	Status	Discipline	Presentation Title
106	Brandi King Cynthia Zavala	US	Mathematics	Analysis of Variance- Completely Randomized Design
107	Joshua Martínez Desiree Ramos	US	Mathematics	Simultaneous Confidence Intervals, Graphical Diagnostics, and Randomized Block Experiments
108	Rochelle Martínez Kimberly Torres	US	Mathematics	Non-parametric Inferences- The Wilcoxon Rank-Sum Test for Comparing Two Treatments
109	Francisco Reyna Genaro Villalobos	US	Mathematics	Non-parametric Inferences- Matched Pair Comparisons & Measure of Correlation Based on Ranks
110	Kevin G. Hernández	US	Mathematics	Equilibrium Business-Cycle Model: Studying Correlations between GDP and Economics Indicators

## Western Hemispheric Trade Center 126

No.	Presenter	Status	Discipline	Presentation Title
111	Iris Santos	US	Nursing	Preventing Catheter-Associated Urinary Tract Infections Through Evidence-Based Practice
112	Benjamin Morales	US	Nursing	Lifestyle Patterns of Hispanics Living in South Texas Post Cardiovascular Surgery: A Pilot Study of Laredo and Surrounding County Residents

## Oral Session 2



Thursday - March 27, 2014 • 2:30 – 4:00 P.M.

## Student Center 225

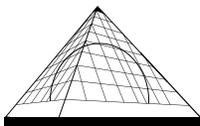
No.	Presenter	Status	Discipline	Presentation Title
113	Sonya Anzaldúa	GS	Biology	Pax7 Expression and Color Pattern Development in two Populations of Metriaclima 'msobo' from Lake Malawi, Africa
114	Melissa Cadena	US	Chemistry	Alternative Fuel Sources and Their Environmental Consequences
115	Raúl Ramos	US	Chemistry	An Investigation Into the Binding Affinity of Receptors MJT5Br2 and MJT6
116	Oluwasegun Tytler	US	Chemistry	Chemical analysis of biodiesels produced from waste vegetable oil and brand new vegetable oil

## Student Center 230

No.	Presenter	Status	Discipline	Presentation Title
117	Cristina Yancey	US	Communications	A Little Madness Goes A Long Way
118	Conrado Sosa	US	Communications	Street Photography of Laredo
119	Carlos Romo	US	Communications	Service-Learning: Volunteers Serving the Need
120	Cynthia Ramos Juan J. Morales	US	Communications	Us and Them - Short Film
121	Daniela Galván	US	Education	Multiculturalism in Education

## Fine and Performing Arts 108

No.	Presenter	Status	Discipline	Presentation Title
122	Daniela Leyendecker Joanna Amaya Gwen García Beverly Garza Tomás López Alizbell Treviño	US	Fine Arts	Aires Gitanos



# Oral Session 3

Thursday - March 27, 2014 • 4:00 – 5:30 P.M.

## Western Hemispheric Trade Center 125

No.	Presenter	Status	Discipline	Presentation Title
123	Hevony Rodríguez	US	Biology	Comparative floral development of heterostylous species in <i>Houstonia</i> (Rubiaceae)
124	Jungmi Choi	GS	Biology	Distyly of <i>Cordia Boissieri</i>
125	Guillermo Romero	US	Biology	Bacteria & Bioremediation
126	Erick López	US	Biology	The Interaction Between Global Climate Change and Biodiversity

## Western Hemispheric Trade Center 126

No.	Presenter	Status	Discipline	Presentation Title
127	Leonardo Galván	US	Education	Do the teachers of today acquire sufficient knowledge on how to educate English Language Learners (ELLs)?
128	Dalila Castillo	US	Education	Strategies that Change Student's Mathematics Negativity
129	Linda Pérez	US	Education	Teaching Multiculturalism Through Literature
130	Adolfo López	US	English	Blake V. Milton: The Fall and Redemption of Man
131	Judith Aguilar Denise Montano Daniel González Karla Muñoz	US	English	8:30 Poetry

## Pellegrino Hall 221

No.	Presenter	Status	Discipline	Presentation Title
132	Nydia Pena	US	Fine Arts	Marius Petipa's Contributions to Ballet
133	Miriam González	US	Fine Arts	Strangely Wonderful
134	Marco Buentello	GS	History	The Thing to Do: Motivations of the Abraham Lincoln Brigade Volunteers
135	Christopher Castillo	GS	History	Liberty and Equality: Ulysses S. Grant's Policies During Reconstruction

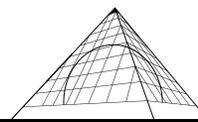
## Student Center 230

No.	Presenter	Status	Discipline	Presentation Title
136	Jeremias García	US	Humanities	Polytonal Analyses on Charlotte Brontë's <i>Jane Eyre</i>
137	Yasmin Shariff	US	Humanities	Foucault and Surveillance as an Apparatus of Power in the 21st Century
138	Jorge Díaz	US	Humanities	The Popular Culture of Video Games
139	Iris Santos Benjamin Morales Gilsa Díaz Mayela Hernández David Cantú	US	Nursing	Eagle Ford Shale's Impact on Cotulla, Texas: A Community Assessment

## Student Center 231

No.	Presenter	Status	Discipline	Presentation Title
140	Verónica Marquez	US	Psychology	SESII-W Sexual Excitation/Sexual Inhibition Inventory for Women
141	David Hernández	US	Psychology	Sexuality's Role in Attraction
142	María De Santos	US	Psychology	Gottman Method Couples Therapy
143	Wualu Altamira	US	Psychology	Emotion-Focused Couples Therapy

# Oral Session 4



Thursday - March 27, 2014 • 5:30 – 7:00 P.M.

## Western Hemispheric Trade Center 125

No.	Presenter	Status	Discipline	Presentation Title
144	Gabriela Galván	US	Communications	"Life After Life" a short documentary film
145	Paula Ramírez	US	Communications	La Reina del Sur
146	Violeta Ruíz	US	Education	Gender Roles in Society
147	Iris Arista	US	Education	Multiculturalism in The Classrooms

## Western Hemispheric Trade Center 126

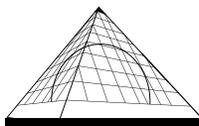
No.	Presenter	Status	Discipline	Presentation Title
148	Roger Hernández	US	Engineering	Computational Analysis of the Bones of the Human Arm
149	Jorge González	US	Engineering	Statistical Analysis of the Tibia, Fibula, Talus, and Femur Bones
150	Sylvia Manrique Matthew Martin	US	Engineering	Cricket Wireless customer service improvement with Arena
151	Mario Vargas	US	Engineering	Systems Simulation with Arena

## Pellegrino Hall 221

No.	Presenter	Status	Discipline	Presentation Title
152	Martha Chapa Kevin Sánchez	US	Physics	Archimede's Principle: Up in the Air
153	Yenesey Ramírez Tannya Perez Miguel Castillo Ericka Serna	US	Physics	Structural Changes of Human Teeth

## Student Center 230

No.	Presenter	Status	Discipline	Presentation Title
154	Anacristina Chapa	US	Sociology	The Examination of Fraud in the Dental and Medical Field Supported by Nietzsche and opposed by Kant
155	Andrea Almendárez	US	Sociology	Closer Look at Atlanta, Georgia
156	Rosario Benavides Jessica Espinoza Jorge Aviles	GS	Sociology	Scientific Ambidexterity and Graduate Training: How Academics' Involvement or Non-Involvement in Commercial-Science Configures Mentoring Practices in Selected East-Asian Doctoral Science Programs?



# Oral Session 5

Friday - March 28, 2014 • 9:00 – 10:30 A.M.

## Student Center 231

No.	Presenter	Status	Discipline	Presentation Title
157	Omar Ramírez	US	Spanish	Cervantes como predecesor del existencialismo: Búsqueda de identidad y crisis existencial de Don Quijote
158	Jill Davidson	US	Spanish	El hombre como caballero en Don Quijote
159	Mónica Chávez	GS	Spanish	La Alegoría al Cambio Social Representada por Don Fernando en El Quijote
160	Marcela Álvarez	GS	Spanish	El Engaño en Poema del Cid, El Conde Lucanor, Libro de buen amor y La Celestina: el lado anticristiano de la España medieval

## Western Hemispheric Trade Center 126

No.	Presenter	Status	Discipline	Presentation Title
161	Melissa Saucedo	US	Biology	Identification of Bacteria of the Rio Grande Waters by DGGE Analysis
162	Cynthia Castillos	GS	Biology	Microsatellite Markers and Primer Design for Siren Intermedia Texana
163	Elaine Almanza	GS	Biology	Prolactin Gene Duplication within Family Cichlidae
164	Irma Maldonado Gabriela García	US	Chemistry	Metal Analysis of Water and Sediment from Zacate Creek

## Student Center 236

No.	Presenter	Status	Discipline	Presentation Title
165	Griselda García Jane Pulido Jesús Reynoso Juan Alonso Luís Juárez Ilse Villarreal Alejandra Rodríguez Daniela Vásquez Ernesto Escamilla Barbara Atilano	US	Economics	Was the U.S. economy in a recession in 2001? Position: YES
166	Carlos Ojeda Leslie García Osvaldo Guzman Eduardo Ibarra Jesús Martínez Mark Molina Karla Ortega Angie Reyes George Rodríguez Manuel Ruíz	US	Economics	Was the U.S. economy in a recession in 2001? Position: NO
167	Roger Villanueva Allen Rodríguez Kimberly Salazar Reymundo Aguilar	US	Economics	Should we treat cross-country unemployment rate comparisons the same way as over-time unemployment rate comparisons for a given country? Position: YES

168	Jacqueline García Mario Candiani Rogelio Cruz Yesenia Escobedo Kathryn Nowell	US	Economics	Should we treat cross-country unemployment rate comparisons the same way as over-time unemployment rate comparisons for a given country? Position: NO
169	Paulette Chavira Tabatha Martínez Ricardo Cagigal Juan Narvaez Sam Goldfarb Roger Elorreaga José Sandoval Andres Lares	US	Economics	Should we treat cross-country unemployment rate comparisons the same way as over-time unemployment rate comparisons for a given country? Position: NO
170	José Gómez-Vázquez Emilio Garza Raul Leal Adolfo Ramos Adelina Simpson Issac Treviño	US	Economics	Is it always good for an economy that deflation occurs? Position: YES
171	Sheridan K. Clark Ana Acosta Valeria Caballo Stephany Contreras Rodolfo Durón Alberto Esparza Raul González Juan Manzano Valerie Reyes Sandy Santoyo	US	Economics	Is it always good for an economy that deflation occurs? Position: NO

## Student Center 230

No.	Presenter	Status	Discipline	Presentation Title
172	Vanessa Vicharelli	US	Education	Future Educational Trends in Speech Language
175	Mohammed Moiz Ur Rahman	GS	Management	Information SystemsD-SAT Control
176	Gabriel Gil	US	Marketing	Revitalizing Nintendo's Audience
177	Erika Soliz	US	Marketing	Marketing Expenditures and Profitability
178	Robbi Marlett	GS	Marketing	Mobile Shopping - Minorities and Language Barriers

## Student Center 231

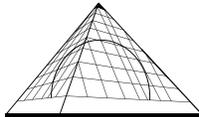
No.	Presenter	Status	Discipline	Presentation Title
179	Lorena Zapata	US	Political Science	Simón Bolívar's Political Trajectory: Was a Tyrant?
180	Irasema García	US	Political Science	The Role of Government in Providing Public Goods and Services
181	Irene García	US	Psychology	The Dark Triad Personality and Attitudes toward Academic Cheating
182	Jonathan Speer	US	Psychology	The Relationship Between Cultural Identity and Preference Towards Individualistic and Collectivistic Messages

## Pellegrino Hall 205

No.	Presenter	Status	Discipline	Presentation Title
183	Naomi Cortina	US	Psychology	An Analysis of Evolutionary Psychology and Public Policy
184	Edgar Montoya	US	Psychology	What level of classification has the highest level of interpersonal attraction amongst the student population at Texas A&M International University?
185	Luciana García	GS	Psychology	Positive Psychology in Marriage and Family Therapy
186	Nelsa Liendo	GS	Psychology	Using Eye Pattern Movements to Study Female Attractiveness and Visual Attention in Hispanics

## Pellegrino Hall 214

No.	Presenter	Status	Discipline	Presentation Title
187	Jimena Pérez Leanos	US	Sociology	Laredo Residents' Life Satisfaction: North vs. South
188	Gabriela Cadena Virginia Vásquez	US	Sociology	Cartels and Religion
189	Carlos Romo	US	Sociology	Mexican Male Actors in U.S. Films
190	Vanessa Almaraz	GS	Sociology	Does Participating in a Music Program in High School Present Academic Achievement in a Student's GPA in College?



## Oral Session 6

Friday - March 28, 2014 • 10:30 A.M. – 12:00 P.M.

## Student Center 225

No.	Presenter	Status	Discipline	Presentation Title
191	Juan Coronado	US	Criminal Justice	Arizona SB 107
192	Edie Bernal	US	Criminal Justice	Is it really a General Theory of Crime?: Examining General Theory of Crime in an Under-researched Hispanic Population
193	Stephanie García	US	Criminal Justice	American Theories of Crime
194	Eduardo Hernández	US	Humanities	When Life Begins...
195	Daniela Borrego	US	Humanities	Women and popular culture in the 1920s

## Student Center 230

No.	Presenter	Status	Discipline	Presentation Title
196	José Mata	US	Economics	Financial Statements: The Differences Between two Global Corporations
197	Sergio Bernal	US	Economics	The Effects of the Clinton Administration's Housing Policies on the 2007 Financial Crisis
198	Jessica Bustamante	US	Economics	Economic Impact of Oil and Gas Industry in Texas

## Student Center 231

No.	Presenter	Status	Discipline	Presentation Title
199	Jesús Vázquez	US	Engineering	A System Simulation of Starbucks
200	Oluwasegun Tytler	US	Engineering	The Simulation of Electrical Circuits Using Pspice
201	Luís Rubio Alberto Ruíz Elvia Muñoz Karen Espinoza Cristian Cavazos Guadalupe Cantú	US	Mathematics	Newton's Law of Cooling

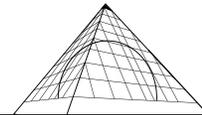
## Western Hemispheric Trade Center 126

No.	Presenter	Status	Discipline	Presentation Title
202	Marco Mendiola María Palomo George Gonzales Emmanuel Vázquez Max Ortiz Anaissa González Adriana Tolentino	US	Mathematics	Euler Equations
203	Elva Méndez	US	Mathematics	Google's PageRank Algorithm
204	Fernando Álvarez Héctor Fresnillo Jorge Maldonado Begoña Arangurén Arianne Mackenzie Nathan Soto	US	Mathematics	Exponential Growth
205	Jeffrey Castañeda	GS	Mathematics	The Ramification Group Filtration on certain Function Field Extensions

## Pellegrino Hall 221

No.	Presenter	Status	Discipline	Presentation Title
206	Deyanira Aparicio Naomi Rebeles Raquel García Karen Valadez Vivian Martínez	US	Nursing	Fecal Bacteriotherapy
207	Karina Treviño	US	Nursing	Obesity: The Future Starts With You
208	Ósmar Carballo	US	Physics	A study on the changes of water distribution done by nuclear magnetic resonance on the human cortical bone
209	Karen Vallejo Rene Compeán Travis Salinas	US	Physics	Center of Percussion
210	Emily Ochoa Alejandro Martínez Jorge Ruíz Gerardo Guajardo Alejandra Mendez Verónica Ochoa	US	Physics	RL Circuits

## Oral Session 7



Friday - March 28, 2014 • 12:30 – 2:00 P.M.

## Student Center 230

No.	Presenter	Status	Discipline	Presentation Title
211	Ricardo Guarneros Jair Benavides Onilda Pompa Samantha Silva Mayra Vázquez	US	Nursing	Laparoscopic Roux-en-Y Gastric Bypass vs. Laparoscopic Gastric Sleeve
212	Gregoria Benavides Tanya Bear Daniela Jurado Ana Medellín Samantha Rodríguez	US	Nursing	Hand Washing vs. Alcohol Based Hand Sanitizer: Which is Better?

213	Vanessa Villarreal Echo Flores Cristina Landa Andrea Rodríguez Melissa Pérez	US	Nursing	Pressure Ulcers and Geriatric Bedridden Patients
214	Clarissa Porras Judith Ábrego Christopher Creamer Danielle García Andrea Oliva	US	Nursing	Diabetes
215	Gabriela Ponce Lysandra Garza Tamara Robles Kristeena Rodríguez	US	Nursing	A Review of the Risks and Benefits Between Two Long Term Contraceptive Methods: Intrauterine Device and Depo-Provera Injection
216	Kristian Martínez Ivette Reyes Tanya Sánchez Flor Peredo Rebecca Cavazos	US	Nursing	Nursing Home Residents and Pressure Ulcer Development

## Student Center 231

No.	Presenter	Status	Discipline	Presentation Title
217	Gilsa Díaz	US	Nursing	Nursing and the Law: What Nurses Need to Know
218	Natalia Garza Karla Tamez Dora Valladolid Cynthia Quintanilla Catalina Mejia	US	Nursing	Coronary Artery Disease: Comparison of Surgical Interventions
219	Chelsei Herbst Tomás Chapa Taylor Scales Manuel Rodríguez John Saucedo	US	Nursing	Hemostatic Agents
220	Mayela Hernández	US	Nursing	Factors Influencing Maternal-Infant Feeding Practices among Mexican-American Mothers
221	Katherine Garza Tierney Bannon-Coad Lizzette Tamez Alexandra Ciszek Laura Twinem	US	Nursing	What contributes to a positive birth experience? A further look into how the popular pain medications, epidurals and opioids, aid in the experience
222	Tracey López Elisa Alva	US	Nursing	Predictors of Nursing Student Success: The Influence of Parental Education, Worked Hours, and English Language Acculturation



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