

Texas A&M International University

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



April 19-20, 2012



TEXAS A&M INTERNATIONAL UNIVERSITY
A Member of The Texas A&M University System

March 21, 2012

Dear Lamar Bruni Vergara/Guillermo Benavides Z. Student Research Conference Participants,

I would like to welcome each of you to the annual Lamar Bruni Vergara/Guillermo Benavidez Z. 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/Guillermo Benavides Z 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". The signature is fluid and cursive, written over the word "Sincerely,".

Pablo Arenaz, Ph.D.

Provost and Vice President for Academic Affairs

Thank you

The Lamar Bruni Vergara Trust and Guillermo Benavides Z.

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 led our students to gain 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 four years, the Lamar Bruni Vergara & Guillermo Benavides Z. 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 opportunity 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 poster, oral and performance presentations. This interdisciplinary event involves all of the **TAMIU** community, and allows 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, J.C. Martin, III and James H. Pearl, and Guillermo Benavides Z. for funding this research conference. Their continuous support to the intellectual and professional development of our students has allowed **TAMIU** to foster and recognize the work of student researchers.

Conference Committee Members

Steering Committee:

Alfred Addo-Mensah, *Committee Member*
Ramón Alaníz, *Committee Member*
Andrea Beattie, *Committee Member*
Pablo Biswas, *Committee Member*
Jeffrey M. Brown, *Dean, Office of Graduate Studies*
Jorge Brusa, *Committee Member*
Pablo Camacho, *Committee Member*
Irma Cantú, *Committee Member*
Anna B. Cieslicka, *Conference Chair*
James Cohen, *Committee Member*
María Flores, *Committee Member*
Pedro Hurtado, *Committee Member*

John C. Kilburn, *Conference Chair*
Gabriela León, *Committee Member*
Kevin D. Lindberg, *Conference Chair*
Kamal D. Parhizgar, *Committee Member*
Alia Paroo, *Committee Member*
Rosemary Plank, *Committee Member*
María G. Romero-Ramírez, *Committee Member*
S. Srinivasan, *Committee Member*
Brendan Townsend, *Committee Member*
Patsy Uribe, *Committee Member*
Penny Vlagopoulos, *Committee Member*

Equipment:

TAMIU Office of Information Technology

Special thanks for their contributions to the conference:

Candy Hein and the Office of Institutional Advancement

Office of Research and Sponsored Projects' Staff:

John Kilburn, Anne Frey, Zoila Franco-Hinojosa, Celeste Kidd, Marina Hinojosa, Gabriela León, and Kristian Hernández

Office of Graduate Studies and Research's Staff:

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Aramark Catering

Office of Community Relations and Special Events

Jesse González

Office of Public Relations, Marketing, and Information Services

Daniel I. Tijerina

TRIO Student Support Services

Leticia Valle and student volunteers

First Year Experience Academic Conference

Virginia Watkins

Conference Judges and Moderators

Conference Schedule / Agenda

Thursday, April 19, 2012

12:00 – 6:00 p.m.	Registration	SC Rotunda
2:30 – 3:00 p.m.	Judges Briefing	SC Ballroom

Poster Sessions

3:00 – 3:30 p.m.	Poster #1 (<i>Set-up</i>)	SC Ballroom
3:30 – 5:00 p.m.	Poster Session #1	SC Ballroom
5:00 – 5:30 p.m.	Poster #1 (<i>Take-down</i>)	SC Ballroom
5:30 – 6:00 p.m.	Poster #2 (<i>Set-up</i>)	SC Ballroom
6:00 – 7:30 p.m.	Poster Session #2	SC Ballroom
7:30 – 8:00 p.m.	Poster #2 (<i>Take-down</i>)	SC Ballroom

Oral Sessions

3:00 pm – 4:15 pm	Session #1: SC 120, 225, 230
4:30 pm – 5:45 pm	Session #2: SC 225, 230
6:00 pm – 7:15 pm	Session #3: SC 120, 225, 230
7:30 pm – 8:45 pm	Session #4: SC 120, 225, 230

Conference Schedule / Agenda

Friday, April 20, 2012

* SC – Student Center

Poster Sessions

9:30 – 10:00 a.m.	Poster #3 (<i>Set-up</i>)	SC Ballroom
10:00 – 11:30 a.m.	Poster Session #3	SC Ballroom
11:30 – 12:00 p.m.	Poster #3 (<i>Take-down</i>)	SC Ballroom

Oral Sessions

9:00 – 10:15 a.m.	Session #5: SC 120, 225, 230, 231
10:30 – 11:45 a.m.	Session #6: SC 120, 225, 230, 231
1:00 – 2:15 p.m.	Session #7: SC 120, 225, 230, 231
2:30 – 3:45 p.m.	Session #8: SC 120, 230

Closing Ceremony

6:00 – 8:00 p.m.	SC Ballroom
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Special Speaker

Dr. Haibo Wang, 2011 University Scholar of the Year



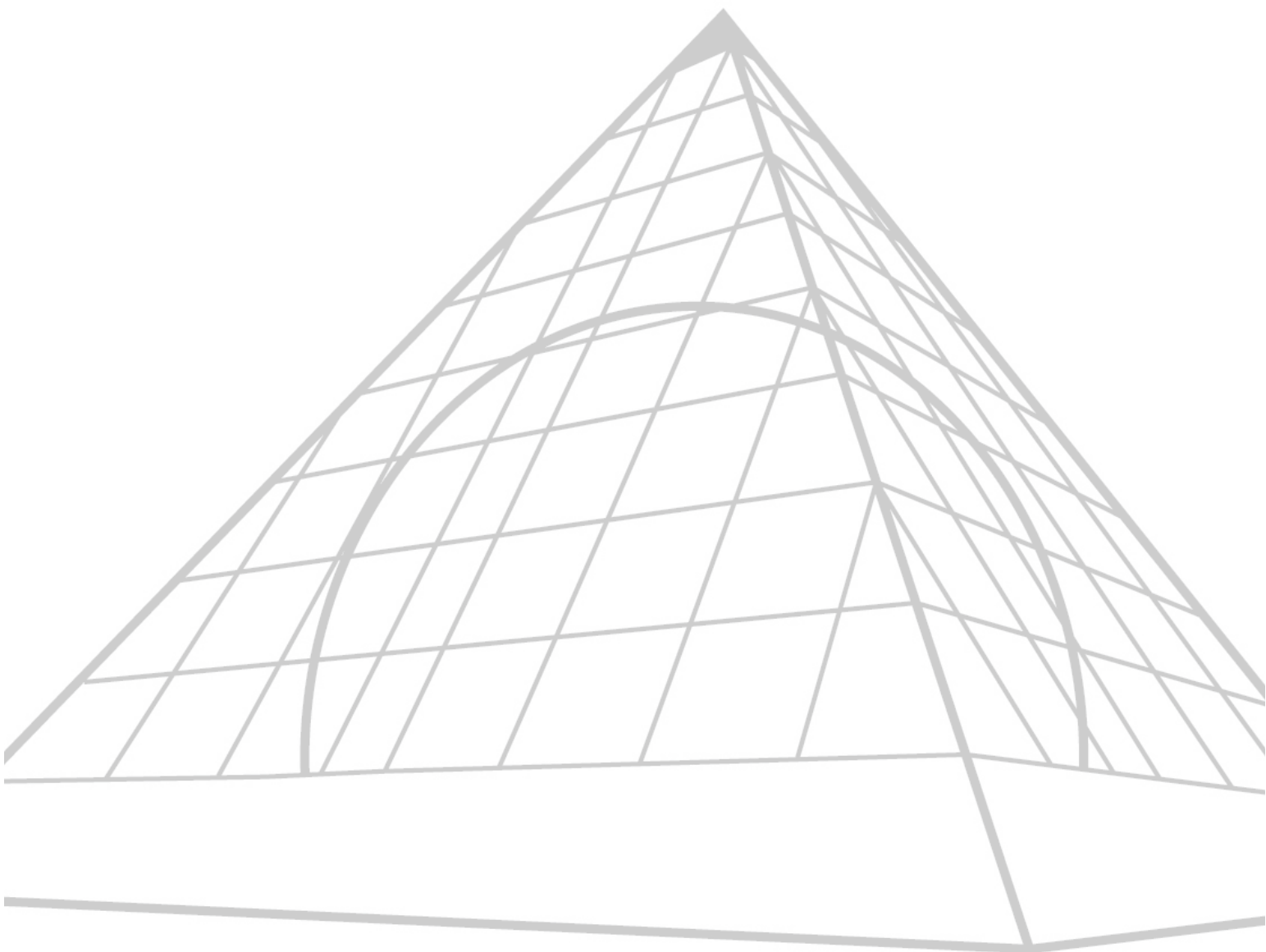
Haibo Wang received a Ph. D. in production operations management in 2004 from the University of Mississippi. He is currently associate professor of decision science at The Texas A&M International University, A. R. Sanchez, Jr. School of Business in the Division of International Business and Technology Studies. He received the University Scholar of the Year Award in 2011. He has written for many publications such as *The European Journal of Operational Research*, *Computers and Operations Research*, *IEEE Transactions on Control Systems Technology*, *IEEE Transactions on Automation Science and Engineering*, *The Journal of the Operational Research Society*, *Computers and Industrial Engineering*, *Applied Mathematical Modelling*, *International Journal of Flexible Manufacturing Systems*, *The International Journal of Production Research*, *The Journal of Human and Ecological Risk Assessment*, *The Journal of Heuristics*, *Communications in Statistics*, *The International Journal of Information Technology and Decision Making*, and the *Journal of Combinatorial Optimization*.

Presentation Title:

Internet and Social Networks for Scientists

Dr. Wang will discuss the impact of the Internet on scientific research and how social networks for scientists make academia more efficient and interdisciplinary. The development of infrastructure and technology such as Internet 2, cloud computing, and Web 2.0 benefits the research community through collaboration; however, the use of technology for collaboration is much slower than expected.

University Poster Sessions



Poster Session #1**Thursday, April 19, 2012, 3:30 – 5:00 P.M. SC Ballroom***US (Undergraduate Student) GS (Graduate Student) DS (Doctoral Student)*

No.	Presenter	Status	Discipline	Project Title
1	Mariela Peña, Karla Vásquez, Thairi Contreras	US	Astronomy	Instrumentation in Astronomy
2	Laura V. Aguilar	GS	Bilingual Ed.	Importance of Parental Involvement in Schools
3	Alma R. López	GS	Bilingual Ed.	History's Impact on Building a Foundation for Educating African Americans
4	Alma L. López	GS	Bilingual Ed.	The Various Forms of Stereotyping in the United States and Its Effects on Education
5	Ángela J. Benavides	US	Comm. Disorders	Interaction of Tinnitus and Ear Infection on Hearing of Hispanic Adults With and Without Diabetes
6	Monica Stahl	US	Comm. Disorders	Hypertension and Dizziness on Hearing Loss in the Hispanic Population
7	Jaziel I. Silva	US	Comm. Disorders	Hispanic Health Issue: The Effects of Diabetes on Type and Degree of Hearing Loss
8	Adela Renee Álvarez	US	Comm. Disorders	The Effect of Age and Gender on Hearing Loss in Hispanic Diabetes Patients
9	Jessica A. Rojas	US	Comm. Disorders	An Assessment of Dual Language Programs
10	Carlos P. Castillo, Vanessa García	GS	Counseling Psych.	Mentoring: Bicultural Perspectives on Professional Development In Counseling
11	Gladys A. Benavides	GS	Curriculum & Inst.	Influence of Western Feminism in the Classroom
12	Guadalupe Basurto	GS	Curriculum & Inst.	Language Chauvinism
13	Jessica M. Jerabeck	GS	Psychology	Effects of Violent Video Games on Prosocial Behavior
14	Tirso A. Morales, Marco Vedia, Horacio Romo, Miguel Hernández	US	Economics	The Effect of the Eagle Ford Fracking Rush in the South Texas Economy
15	Mario A. Vargas	US	Engineering	Capacitors
16	José E. Guajardo III, Philippe Quach	US	Engineering	Magnetism
17	Rodolfo Lozano, Mario A. Vargas, Roberto Garza	US	Engineering	Limiting Voltage Drop in Photovoltaic Installations
18	Arnulfo Cázares	US	Engineering	Electrical Analysis of Robotic Systems
19	Ladiz Ochoa, Vanessa Villarreal, Elsa De León, Echo Flores, Betsy Guevara	US	Nursing	Female Infertility
20	Ignacio Hinojosa, Marco López, Carlos Montalvo	US	Physics	Kirchhoff's Rules
21	Gabriel Ramos, Davian Pérez	US	Physics	Household Appliances
22	Mayery Barroso	US	Biology	Mate Choice in Cichlids
23	Lillian López	US	Biology	Handle with Care: A Report on Diabetes and Negligence with Focus on the Hispanic Culture on the Texas-Mexico Border

Poster Session #1**Thursday, April 19, 2012, 3:30 – 5:00 P.M. SC Ballroom***US (Undergraduate Student) GS (Graduate Student) DS (Doctoral Student)*

No.	Presenter	Status	Discipline	Project Title
1	Mariela Peña, Karla Vásquez, Thairi Contreras	US	Astronomy	Instrumentation in Astronomy
2	Laura V. Aguilar	GS	Bilingual Ed.	Importance of Parental Involvement in Schools
3	Alma R. López	GS	Bilingual Ed.	History's Impact on Building a Foundation for Educating African Americans
4	Alma L. López	GS	Bilingual Ed.	The Various Forms of Stereotyping in the United States and Its Effects on Education
5	Ángela J. Benavides	US	Comm. Disorders	Interaction of Tinnitus and Ear Infection on Hearing of Hispanic Adults With and Without Diabetes
6	Monica Stahl	US	Comm. Disorders	Hypertension and Dizziness on Hearing Loss in the Hispanic Population
7	Jaziel I. Silva	US	Comm. Disorders	Hispanic Health Issue: The Effects of Diabetes on Type and Degree of Hearing Loss
8	Adela Renee Álvarez	US	Comm. Disorders	The Effect of Age and Gender on Hearing Loss in Hispanic Diabetes Patients
9	Jessica A. Rojas	US	Comm. Disorders	An Assessment of Dual Language Programs
10	Carlos P. Castillo, Vanessa García	GS	Counseling Psych.	Mentoring: Bicultural Perspectives on Professional Development In Counseling
11	Gladys A. Benavides	GS	Curriculum & Inst.	Influence of Western Feminism in the Classroom
12	Guadalupe Basurto	GS	Curriculum & Inst.	Language Chauvinism
13	Jessica M. Jerabeck	GS	Psychology	Effects of Violent Video Games on Prosocial Behavior
14	Tirso A. Morales, Marco Vedia, Horacio Romo, Miguel Hernández	US	Economics	The Effect of the Eagle Ford Fracking Rush in the South Texas Economy
15	Mario A. Vargas	US	Engineering	Capacitors
16	José E. Guajardo III, Philippe Quach	US	Engineering	Magnetism
17	Rodolfo Lozano, Mario A. Vargas, Roberto Garza	US	Engineering	Limiting Voltage Drop in Photovoltaic Installations
18	Arnulfo Cázares	US	Engineering	Electrical Analysis of Robotic Systems
19	Ladiz Ochoa, Vanessa Villarreal, Elsa De León, Echo Flores, Betsy Guevara	US	Nursing	Female Infertility
20	Ignacio Hinojosa, Marco López, Carlos Montalvo	US	Physics	Kirchhoff's Rules
21	Gabriel Ramos, Davian Pérez	US	Physics	Household Appliances
22	Mayery Barroso	US	Biology	Mate Choice in Cichlids
23	Lillian López	US	Biology	Handle with Care: A Report on Diabetes and Negligence with Focus on the Hispanic Culture on the Texas-Mexico Border

Poster Session #2 Presentation Room Layout

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42	43	44
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Poster Session #2 Presenters List

No.	Presenter
24	Eduardo Morales, Misael Nájera
25	Katrina Zamorano, Victoria Garza-Castillo
26	Albert Ramírez, Allison Ramírez, Sarah Rigal
27	Gloria A. Rodríguez
28	Priscilla D. López
29	John Praska
30	Belén M. Urbina
31	Kristin Natera
32	Mario A. Vargas
33	Kristen LaBuhn
34	Raquel Muñiz
35	Natalia D. Rodríguez
36	Karla Sanabia, Alma Vázquez
37	Nancy García
38	Mario A. Mireles, Jr.
39	Marissa Laurel-Wilson
40	Leticia Valle
41	Lisa Trujillo
42	Olivia de la Garza
43	Enrique E. Botello
44	Santos R. Polendo

Poster Session #3**Friday April 20, 2012, 10:00 – 11:30 A.M. SC Ballroom**

No.	Presenter	Status	Discipline	Project Title
45	Abel Villavicencio, Ilse Villarreal, Adan Villavicencio	US	Astronomy	Evolution of Binary Stars
46	Noemí Vázquez	GS	Bilingual Ed.	The New Era: Students with LGBTQ Parents
47	Alejandra Pérez Leaños	US	Biology	Male-Male Aggression: A Potential Diversifying Force in Lake Malawi Cichlid
48	Melissa Saucedo	US	Biology	Effect of Water Containing Triclosan on Heterotrophic Bacteria
49	Sonya Anzaldúa	GS	Biology	Pax7 Expression and Color Pattern Development in Metriaclima 'msobo'
50	Celeste A. Zamarrón	US	Biology	Prostaglandin E: Expression of Hormone Receptors in Tilapia Species
51	Yvette Moreno	US	Biology	Isolation and Amplification of the Steroidogenic Acute Regulatory Gene (StAR)
52	Karla P. Sanabria	US	Biology	The Interaction between Pheromone and Hormone Treatments on Sexual Behavior
53	Alma Vázquez	US	Biology	The Effects of Dopamine on Mate Choice in Female <i>Astatotilapia Burtoni</i>
54	René Segovia, Meagan Pavek	US	Biology	Quantifying Variation in Melanistic Color Patterns in Lake Malawi Cichlids
55	Luz A. Rodríguez	US	Biology	Gonorrhea: Disease, Treatment, and Epidemiology
56	Belinda Sotelo	US	Biology	Advancement in Gene Therapy for Rheumatoid Arthritis
57	Ediel Bernal	US	Biology	Phosphate-Solubilization of Rhizobacteria from Triclosan-Irrigated Onions
58	Raúl Castro	US	Biology	The Effect of Antimony Slag on Metal Tolerance of Soil Bacteria
59	Jennifer Medlin	US	Biology	Quantification of the In-vitro Effects of Four Acacia Extracts on HIV-1 Reverse Transcription
60	Carmen G. Cruz	GS	Biology	Partial Purification of Lectin From South Texas Live Oak (<i>Quercus fusiformis</i>)
61	Ignacio R. Alaníz III	US	Biology	Activity of <i>Phyllanthus Amarus</i> and <i>Phyllanthus Fraternalis</i>
62	Luz Castellanos	US	Biology	Comparative Gynoecial Development of Boraginaceae and Lamiaceae
63	Ashley García	US	Biology	Triclosan Resistance of Onion Rhizobacteria
64	Analia X. Fuentes	GS	Curriculum & Inst.	Connecting Socio-Economic Status to the Performance of High School Students in Reading and Math
65	Nohemí Basurto	US	Finance	Pros and Cons of Information Technology in the Corporate World of Finance
66	James Hutcheon, Mayra Bernal, Timothy Trujillo	US	Physics	Magnets
67	Amanda M. Garza, Karen de la Garza, Alejandro Barrera	US	Physics	Water Distribution in Human Cortical Bone by Nuclear Magnetic Resonance

Poster Session #3 Presentation Room Layout

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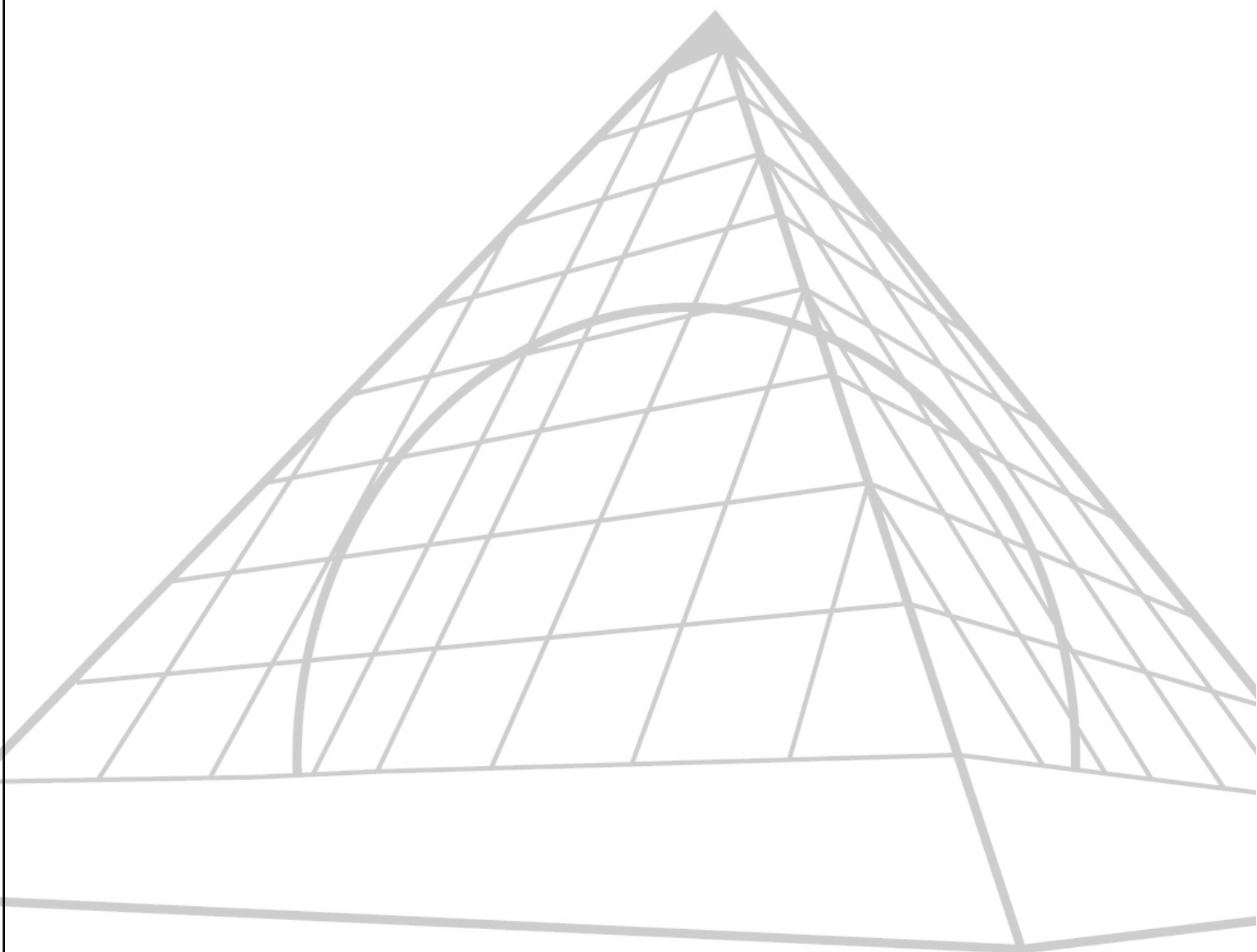
65	66	67		
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Poster Session #3 Presenters List

No.	Presenter
45	Abel Villavicencio, Ilse Villarreal, Adan Villavicencio
46	Noemí Vázquez
47	Alejandra Pérez Leaños
48	Melissa Saucedo
49	Sonya Anzaldúa
50	Celeste A. Zamarrón
51	Yvette Moreno
52	Karla P. Sanabia
53	Alma Vázquez
54	René Segovia, Meagan Pavek
55	Luz A. Rodríguez
56	Belinda Sotelo
57	Ediel Bernal
58	Raúl Castro
59	Jennifer Medlin
60	Carmen G. Cruz
61	Ignacio R. Alaníz III
62	Luz Castellanos
63	Ashley García
64	Analia X. Fuentes
65	Nohemí Basurto
66	James Hutcheon, Mayra Bernal, Timothy Trujillo
67	Amanda M. Garza, Karen de la Garza, Alejandro Barrera

University Oral Sessions



Oral Session #1
Thursday, April 19, 2012, 3:00 – 4:15 P.M.

US (Undergraduate Student) GS (Graduate Student) DS (Doctoral Student)

Student Center 225

No.	Presenter	Status	Discipline	Project Title
68	Adriana de la Cruz, Jorge A. Muñoz	US	Engineering	The Works of an Engine: The Otto Cycle
69	Daniela Párraga, Amanda Rodríguez	US	Astronomy	Eclipses
70	Raúl Ramos, Lorraine Picazo, Emily Garza	US	Astronomy	Pulsars
71	James Vásquez, Sergio Avedillo, Ángel Valdéz	US	Astronomy	Aurora Borealis

Student Center 230

No.	Presenter	Status	Discipline	Project Title
72	Jeremy W. Thompson	GS	Biology	Understanding the Neuronal and Molecular Basis of Female Mate Choice
73	Selinda Martínez	GS	Biology	Localization of Prostaglandin F2 α Receptor in the Brain of Cichlid Fishes
74	Oneida Ibarra	GS	Biology	Hormonal Regulation of Paternal Care Strategies in the Cichlid Amatitlania
75	Brenda Arámbula	GS	Biology	Flooding Effects on the Microbial Community of the Rio Grande

Student Center 120

No.	Presenter	Status	Discipline	Project Title
76	Alexis Cisneros	GS	History	On the Origins of the Japanese Comfort System
77	Nastaran Barari	GS	Political Science	A Comparison Study of the Effects of Border Town Culture on Political Participation
78	Maritza Morris	US	History	Appeasement, Revisionism, and the Search for New Historical Interpretations
79	Nastaran Barari	GS	Political Science	Cosmopolitanism in American Border Cities: How Does Cosmopolitan Orientation Change Political Behavior?

Oral Session #2**Thursday, April 19, 2012, 4:30 – 5:45 P.M.***US (Undergraduate Student) GS (Graduate Student) DS (Doctoral Student)***Student Center 225**

No.	Presenter	Status	Discipline	Project Title
80	Adalberto Escamilla, Deyanira Gutiérrez	US	Astronomy	Super Novae
81	Ángel Briones, José Castillo, Jorge Rosales	US	Astronomy	The Behavior of Sunspots and Their History
82	Philippe Quach	US	Physics	Superconductivity
83	Felipe Gaytán, Jeanette Barrera, Dakota Witham	US	Astronomy	The Moon and Us

Student Center 230

No.	Presenter	Status	Discipline	Project Title
84	Stephanie Díaz	US	Criminal Justice	Does Information on Wrongful Convictions Affect Death Penalty Opinions?
85	Diana Carreón	GS	Criminal Justice	Fear of Crime and Border Security
86	Stephanie Hernández	US	Political Science	The Mexican Drug War: An Armed Conflict among Rival Drug Cartels
87	Edwin Torres, Lynette Barrera, Roberto Maldonado	US	Economics	Credit Unions

Oral Session #3

Thursday, April 19, 2012, 6:00 – 7:15 PM

US (Undergraduate Student) GS (Graduate Student) DS (Doctoral Student)

Student Center 225

No.	Presenter	Status	Discipline	Project Title
88	Crispin Caracheo, Lizzette Carrera, Daisy Ávalos	US	Economics	PROCAMPO
89	Rebecca Cadeña, Joana Cornejo, Juan Herrera	US	Economics	ProÁrbol
90	Sonia Chapa	US	Social Studies	Propaganda in Laredo, Texas during 1942
91	Rebecca R. Soto	US	Political Science	No Child Left Behind

Student Center 230

No.	Presenter	Status	Discipline	Project Title
92	Sergio Avedillo	US	Engineering	The Physics behind Baseball
93	José E. Guajardo	US	Engineering	Electrical Currents in the Nervous System
94	Sergio Avedillo	US	Engineering	Nikola Tesla, Forgotten Genius
95	Carolina Rodríguez, José Guajardo, Alejandro de la Fuente	US	Engineering	Refrigeration and Heat Pump Systems

Student Center 120

No.	Presenter	Status	Discipline	Project Title
96	Edwin Torres	US	Mathematics	Uniqueness Sets for the Radon Transform in the Plane
97	Juan Arellano	GS	Mathematics	Warning of a Plausible Collapse of Contemporary Mathematics
98	Raquel Muñiz	US	Mathematics	Teaching Generation Z: Technology's Role in the Future of Calculus
99	Armando Molina	US	Mathematics	Logistic Regression Models for Binary Output Data

Oral Session #4
Thursday, April 19, 2012, 7:30 – 8:45 PM

US (Undergraduate Student) GS (Graduate Student) DS (Doctoral Student)

Student Center 225

No.	Presenter	Status	Discipline	Project Title
100	Marc Olivares	GS	Psychology	Context and Salience in Processing Idiomatic Expressions by Bilingual Speakers
101	Raúl A. Ramos	US	Psychology	An Assessment of Sexual Dysfunction: Pedophilia
102	David Cortez	US	Psychology	Epiphany Mirror Technique
103	Raúl A. Ramos	US	Psychology	Media Desensitization: A Gateway to Violence

Student Center 230

No.	Presenter	Status	Discipline	Project Title
104	Anna Canales, Brenda Desidoro	US	Astronomy	Formation: Stars and their Lives
105	Sofía C. Maldonado	GS	Engineering	New Classroom Propulsion Demonstrator
106	Luis Duarte	US	Engineering	Ozone Water Treatment: An Alternative Solution for the United States
107	Sergio Avedillo	US	Engineering	How the Electronic Era is Changing Society

Student Center 120

No.	Presenter	Status	Discipline	Project Title
108	Melissa Treviño	US	Music	The Application of Social Constructivism in the Orchestra Classroom
109	Omar García	GS	Psychology	Bilingual Lexical Activation Disambiguation
110	Wualú A. Altamira, Karl García, DeLorean Reese-Aceves, Jessica Ramos, Annel González	US	Psychology	Homograph Processing and Syntactic Boundaries

Oral Session #5
Friday April 20, 2012, 9:00 – 10:15 A.M.

US (Undergraduate Student) GS (Graduate Student) DS (Doctoral Student)

Student Center 120

No.	Presenter	Status	Discipline	Project Title
111	Raúl De Llano, Ana Kristel Gamboa	US	Business Admin.	Understanding the Consumer Behavior of the Harry Potter Films
112	Marlinn Chong	US	Finance	All about Insurance
113	Joanna Muñoz, Izamar Zapata, Ariel Orozco	US	Finance	Commercial Banking
114	Tania Ramos	US	Special Ed.	Teaching Rational Numbers as Fractions to 3rd Graders

Student Center 225

No.	Presenter	Status	Discipline	Project Title
115	Stefanie Díaz, Pablo Palacios	US	Astronomy	Sounds of the Planets
116	Jorge Rosales	US	Astronomy	Mayan Calendar
117	Nina Gómez, Raizza Cisneros, Christina González	US	Astronomy	Neutron Stars and Black Holes
118	Andrew Rothenbach, Daniel Peitrzak, Ricardo Verduzco	US	Astronomy	Sunergy

Student Center 230

No.	Presenter	Status	Discipline	Project Title
119	Gabriela M. León	GS	Sociology	Crossing to Mexico for Health Care: An Alternative for Border Residents
120	Christine Rojas	US	Sociology	Music Studies and its Effects on College Students
121	Katherine Giddens	US	Sociology	Educational Preparation and College Life
122	Susan Marie Aguilar	GS	Sociology	A Neo-Durkheimian Approach to the Study of Scientific Productivity

Student Center 231

No.	Presenter	Status	Discipline	Project Title
123	Ricardo Pedraza, Jr.	US	Biology	Heavy Metals and their Impact on the Environment
124	Álvaro Sánchez	US	Biology	Antibiotics and the Environment
125	May Tumonong, Rosario Garza	US	Chemistry	Pesticides and Herbicides
126	Philippe Quach	US	Chemistry	Drugs for the Treatment of Hypertension

Oral Session #6
Friday April 20, 2012, 10:30 – 11:45 A.M.

US (Undergraduate Student) GS (Graduate Student) DS (Doctoral Student)

Student Center 120

No.	Presenter	Status	Discipline	Project Title
127	Griselda Guerrero	GS	Spanish	La Mujer de la Edad Media: Heroínas
128	Velia Dávila	US	Spanish	Sancho Panza, un Hombre Sabio
129	Alejandra C. Márquez	GS	Spanish	La Representación de los Moros en el <i>Mío Cid</i> y el <i>Poema de Fernán González</i>
130	Zelideh López Salles	GS	Spanish	La Influencia Religiosa en el <i>Poema de Fernán González</i>

Student Center 225

No.	Presenter	Status	Discipline	Project Title
131	Cynthia J. Gutiérrez, María Robles	US	Astronomy	Exquisite Existence
132	Laura Chapa, Cesar Gutiérrez, Adolfo Manrique	US	Astronomy	Phases of the Moon
133	Eymar Villalpando, Brett Biesiada	US	Astronomy	Dark Matter
134	David Cadena, Raúl González, Jr.	US	Astronomy	The Lighting of a Star

Student Center 230

No.	Presenter	Status	Discipline	Project Title
135	Ana Kristel Gamboa	US	Communication	The Representation of Bella Swan and Edward Cullen, and its Influences on Young Females
136	Tanya Polendo	US	Communication	<i>Reina Del Sur</i> overcomes Machismo and Social Change
137	Nidia Yáñez	US	Communication	An Analysis of <i>El Mañana's</i> Online Agenda
138	Elizabeth D. Ramírez	GS	Couns. Psych.	The Modern Day Socialite: The Implication of Facebook on Social Interaction

Student Center 231

No.	Presenter	Status	Discipline	Project Title
139	Daniel Vera, Roger Olvera	GS	Biology	The Effects of Dopamine on Prostaglandin Mediated Mate Choice in <i>A. Burtoni</i>
140	Navil Lozano	US	Nursing	Electronic Medical Record Keeping: Ally or Foe?
141	Enrique Villarreal, Marco Carrillo, Gerardo Treviño, Raúl Ramos, Arnulfo Cázares, Marco Mendiola	US	Engineering	NASA Lunabotics Mining
142	Enrique Villarreal, Baruc Estrada	US	Engineering	Microliquids and Merges

Oral Session #7
Friday April 20, 2012, 1:00 – 2:15 P.M.

US (Undergraduate Student) GS (Graduate Student) DS (Doctoral Student)

Student Center 120

No.	Presenter	Status	Discipline	Project Title
143	Roy J. Gonzales, Jr.	US	English	From Romantic to Natural: A Shifting Perspective of the Environment
144	Devenny Luepar	US	English	Mother Knows Best: Patriarchal Defiance in Rachel Carson's <i>Silent Spring</i>
145	Francisco Castillo	GS	Public Admin.	A Comparative Analysis of Local Government Budgeting
146	Jesus J. Hernández	GS	Public Admin.	Assessing the Quality of Child Support Services in Texas

Student Center 225

No.	Presenter	Status	Discipline	Project Title
147	Martin Skrodzki	GS	Mathematics	How to Schedule the Classes?
148	Avinash Venna, Induja Rompicherla	GS	Information Syst.	An Interactive Web-based Virtual Teaching Assistant System
149	Elva Martínez	GS	Management	The Importance of Training Managers
150	Aziz Bakay	DS	Management	Trust on Peers, Supervisor and Top Management: Research on Workplace Outcomes

Student Center 230

No.	Presenter	Status	Discipline	Project Title
151	Iris A. Santos	US	Nursing	Preventing Nosocomial Infections Through Awareness
152	Patrick J. Palacios, Carlos Chapa, Rey Domínguez, Héctor Ramírez, Christopher Rosales	US	Biology	Summary of Water Distribution Changes in Human Cortical Bone by NMR
153	Graciela Martínez	US	Nursing	Lived Experiences of Mexican-American Parents on their Child's Major Surgical Procedure
154	Benjamín Morales	US	Nursing	Cardiac Rehabilitation

Student Center 231

No.	Presenter	Status	Discipline	Project Title
155	Wualú A. Altamira	US	Biology	Comparative Floral Development in <i>Lithospermum</i>
156	May Tumonong, Rosario Garza	US	Biology	Intraindividual Variation in Apple Trees
157	Carlos R. Dostal	GS	Biology	Neuronal IEG Expression during Transitions between Parental Care Roles
158	Bryant De Jesús	US	Biology	Summary of the Disease and Treatment of MRSA

Oral Session #8**Friday April 20, 2012, 2:30 – 3:45 P.M.**

US (Undergraduate Student) GS (Graduate Student) DS (Doctoral Student)

Student Center 120

No.	Presenter	Status	Discipline	Project Title
143	Roy J. Gonzales, Jr.	US	English	From Romantic to Natural: A Shifting Perspective of the Environment
144	Devenny Lupear	US	English	Mother Knows Best: Patriarchal Defiance in Rachel Carson's <i>Silent Spring</i>
145	Francisco Castillo	GS	Public Admin.	A Comparative Analysis of Local Government Budgeting
146	Jesus J. Hernández	GS	Public Admin.	Assessing the Quality of Child Support Services in Texas

Student Center 225

No.	Presenter	Status	Discipline	Project Title
147	Martin Skrodzki	GS	Mathematics	How to Schedule the Classes?
148	Avinash Venna, Induja Rompicherla	GS	Information Syst.	An Interactive Web-based Virtual Teaching Assistant System
149	Elva Martínez	GS	Management	The Importance of Training Managers
150	Aziz Bakay	DS	Management	Trust on Peers, Supervisor and Top Management: Research on Workplace Outcomes

Student Center 230

No.	Presenter	Status	Discipline	Project Title
151	Iris A. Santos	US	Nursing	Preventing Nosocomial Infections Through Awareness
152	Patrick J. Palacios, Carlos Chapa, Rey Domínguez, Héctor Ramírez, Christopher Rosales	US	Biology	Summary of Water Distribution Changes in Human Cortical Bone by NMR
153	Graciela Martínez	US	Nursing	Lived Experiences of Mexican-American Parents on their Child's Major Surgical Procedure
154	Benjamín Morales	US	Nursing	Cardiac Rehabilitation

Student Center 231

No.	Presenter	Status	Discipline	Project Title
155	Wualú A. Altamira	US	Biology	Comparative Floral Development in <i>Lithospermum</i>
156	May Tumonong, Rosario Garza	US	Biology	Intraindividual Variation in Apple Trees
157	Carlos R. Dostal	GS	Biology	Neuronal IEG Expression during Transitions between Parental Care Roles
158	Bryant De Jesús	US	Biology	Summary of the Disease and Treatment of MRSA

Closing Ceremony / Awards Banquet

Friday April 20, 2012, 6:00 – 8:00 p.m. SC Ballroom

Please join us for the Closing Ceremony and Awards Banquet at the Student Center Ballroom from 6:00 to 8:00 p.m.

Featuring special speaker Dr. Haibo Wang, 2011 TAMU University Scholar of the Year.



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