

**TAMIU**

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

**April 9-10, 2010**



**Office of Graduate Studies**  
Sue and Radcliffe Killam Library 326  
5201 University Boulevard  
Laredo, TX 78041-1900  
[www.tamiu.edu/gradschool/](http://www.tamiu.edu/gradschool/)  
[GraduateSchool@tamiu.edu](mailto:GraduateSchool@tamiu.edu)



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

**Office of the President**

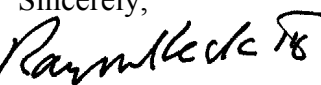
April 9, 2010

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

It is with great pleasure that I welcome everyone to Texas A&M International University's second annual Lamar Bruni Vergara and Guillermo Benavides Z. Research Conference. This Conference exemplifies the goals and underpinnings of our institution and its role in the larger community. It is through the generous support of the Lamar Bruni Vergara Trust and Guillermo Benavides Z. that our students – with guidance and structure provided by the faculty – have been able to craft works demonstrating not only their intellectual labors, but the type of creative ideas that are needed to drive south Texas and the world in this new millennium of innovation.

These vital advancements spring from the collaboration of new minds working with peers and mentors across all areas of knowledge. This Conference gives our students just such an opportunity to share these works, drawing from across disciplines to build new knowledge and skills. As you will see from the list of presentations prepared for this Conference, there is a vibrancy driving our students' endeavors that grows from TAMIU's position as the center of our unique culture. These works are drawn from all areas of the arts, sciences, business, education, humanities, and health services.

These student contributions attest that TAMIU's promise of fostering intellectual growth and developing learning communities is being fulfilled. When our institution was created, it was with the promise of enriching the intellectual and economic lives of everyone in south Texas. Such enrichment was never intended to be the sole purview of the campus faculty and staff. Instead, TAMIU was meant to light a million fires in the minds of all who pass through our halls. These same initiatives are intended to spread this light throughout the region and world, and the presentations at this Conference show that such promise is indeed being fulfilled.

Sincerely,  
  
Ray M. Keck, III  
President

## Oral Session 5

*U. S. (Undergraduate Student) G. S. (Graduate Student) D.S. (Doctoral Student)*

### Saturday, April 10, 2010, 10:50 AM - 11:50 AM WHTC 104

No.	Presenter	Reg. Type	Discipline	Project Title
211	Jorge De La Garza	G. S.	Educational Administration	Teachers' score in multiple intelligences comfort and teachers' rotations
212	Tommy Guerrero	G. S.	Educational Administration	No Title Submitted

### Saturday, April 10, 2010, 10:50 AM - 11:50 AM Fernando A. Salinas Lecture Room (WHTC 111)

No.	Presenter	Reg. Type	Discipline	Project Title
123	Sheereen Shahabudin	U. S.	Nursing	No Title Submitted
204	Esele Uwagwe	U. S.	Nursing	No Title Submitted

## University Fine Arts Session - Fine Arts Session 1

*U. S. (Undergraduate Student) G. S. (Graduate Student) D.S. (Doctoral Student)*

First Name	Last Name	Reg Type	Discipline
Melissa	Treviño	U. S.	Fine Arts
Joe	Molina	G. S.	Fine Arts
Melissa	Martínez	G. S.	Fine Arts

## Oral Session 4

*U. S. (Undergraduate Student) G. S. (Graduate Student) D.S. (Doctoral Student)*

### Saturday, April 10, 2010, 9:40 AM - 10:40 AM WHTC 104

No.	Presenter	Reg. Type	Discipline	Project Title
109	Alejandro J. Medina	U. S.	Engineering	LBV Environmental Science Center
110	Amede Rubio	G. S.	Biology	Plant Community Responses Following the Periodic Removal of Arundo Donax
111	Raul Uribe	G. S.	Biology	Prolactin Gene Duplication and Alternate Parental Care Strategies in Cichlids

### Saturday, April 10, 2010, 9:40 AM - 10:40 AM Fernando A. Salinas Lecture Room (WHTC 111)

No.	Presenter	Reg. Type	Discipline	Project Title
304	Roberto Arzola	U. S.	Finance	A Day Without the Fed
305	Collins E. Okafor	D. S.	Finance	The Impact of Corruption on a Country's Accounting Architecture

### Saturday, April 10, 2010, 9:40 AM - 10:40 AM WHTC 116

No.	Presenter	Reg. Type	Discipline	Project Title
129	Diana Grace	U. S.	English	Oroonoko, The Noble Savage
130	Brenda De León	U. S.	English	Milton's Ideal Marriage
131	Megan Nieto	U. S.	English	Language Loss in Native American Cultures
132	Holly Dykstra	U. S.	English	Shelley's Theology

### Saturday, April 10, 2010, 9:40 AM - 10:40 PM WHTC 125

No.	Presenter	Reg. Type	Discipline	Project Title
122	Diego Diaz	U. S.	Communication	Sir Isaac Newton
200	Patricia Liendo	G. S.	Curriculum and Instruction	Assertion: A Quality for Success
201	Analia X. Fuentes	G. S.	Curriculum and Instruction	Promoting Empathy in the Classroom
202	Albert Escovar	G. S.	Curriculum and Instruction	What are the Most Effective Types of Physical Activity and Exercise Intensity
203	Ricardo A. Guardiola	G. S.	Curriculum and Instruction	Emotionally Intelligent Teachers: Drive

### Saturday, April 10, 2010, 9:40 AM - 10:40 PM WHTC 126

No.	Presenter	Reg. Type	Discipline	Project Title
133	Deena Garza	G. S.	English	"My Dearest Muse"
135	Jonathan Martínez	G. S.	English	Porches, a Dead Mule, and the Female Voice in "Their Eyes Were Watching God."
136	Melissa Martínez	G. S.	English	Henrik Ibsen's Ideals and Selfishness in Society
137	Joe Molina	G. S.	English	Broken Box: Ana Castillo's Creation of a First Class Third World



**TEXAS A&M INTERNATIONAL UNIVERSITY**

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**Office of the Provost and Vice President  
for Academic Affairs**

March 24, 2010

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 Benavides Z. Student Research Conference. This is an exciting time for all of us as we celebrate the research and scholarly/creative activity of our undergraduate and graduate students and their faculty mentors. This Conference is a great example of how TAMIU continues to develop rich educational and research opportunities for its students and faculty as we move towards becoming a premier international research institution.

Known for their intellectual curiosity, academic acumen, and cultural richness, 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 opportunity to see and hear student presentations that you should find intellectually stimulating, academically sound, and that play a significant role in both the production of new knowledge as well as the advancement of knowledge in each respective field.

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 this year's event will become one of The Texas A&M University System's most widely recognized student research conferences.

Sincerely,

Pablo Arenaz, Ph.D.  
Provost and Vice President for Academic Affairs

**Thank you to:  
The Lamar Bruni Vergara Trust and Mr. Guillermo Benavides Z.**

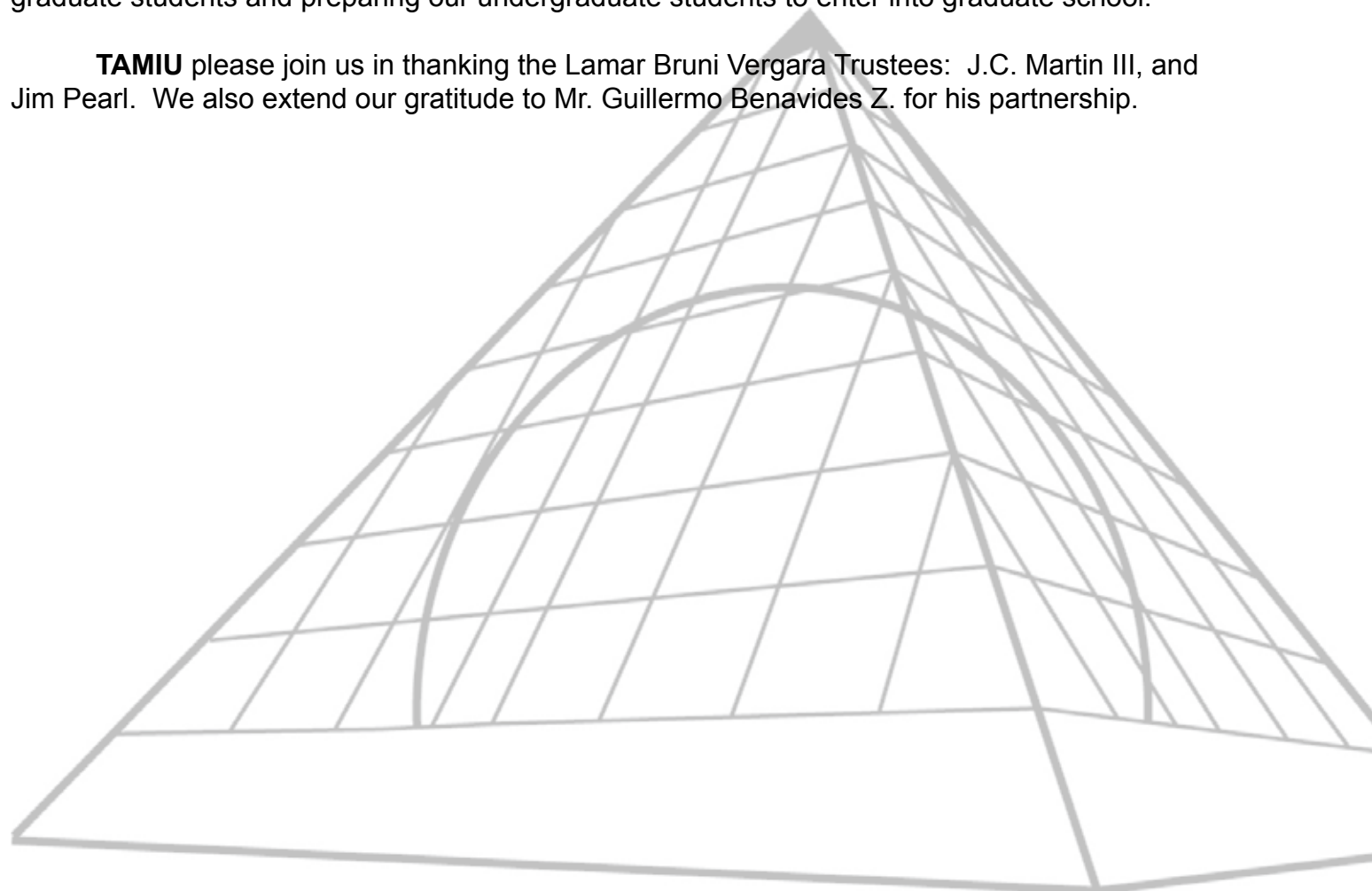
For the last two decades, the Laredo community has enjoyed the exquisite privilege of witnessing the creation, establishment, and development of a local institution of higher education that enjoys membership in the State of Texas' prestigious and world renowned research community known as The Texas A&M University System. As **Texas A&M International University (TAMIU)** continues to thrive with rich educational opportunities that it has provided to its students for the last two decades, **TAMIU** is now endeavoring to promote a vigorous research program.

For this and many other reasons, we would like for you to recognize and thank the Lamar Bruni Vergara Trust and Mr. Guillermo Benavides Z. for funding this research Conference.

Both graduate students and those students aspiring to become graduate students have been invited to participate. The best graduate students will be specially recognized with cash prizes at the Closing Awards Ceremony supported by the Lamar Bruni Vergara Trust. Additionally, the best undergraduate students will be recognized with prizes supported by Guillermo Benavides Z., with the hope that in a few years they too will be in graduate school preparing to be the leaders of our future.

It is our hope that this Conference will continue for many years to come, recognizing our graduate students and preparing our undergraduate students to enter into graduate school.

**TAMIU** please join us in thanking the Lamar Bruni Vergara Trustees: J.C. Martin III, and Jim Pearl. We also extend our gratitude to Mr. Guillermo Benavides Z. for his partnership.



**Oral Session 3**

*U. S. (Undergraduate Student) G. S. (Graduate Student) D.S. (Doctoral Student)*

**Saturday, April 10, 2010, 8:30 AM - 9:30 AM WHTC 104**

No.	Presenter	Reg. Type	Discipline	Project Title
302	Aditya Limaye	D. S.	Business Administration	Impact of Climate Shocks and Natural Disasters on Economic Activity
210	Karla Peña	G. S.	Educational Administration	Teaching Effectiveness: Considering Emotional Intelligence & Time Management
169	Jodie Cordova	G. S.	Public Administration	<i>No Title Submitted</i>
217	Alexandra Cuello	G. S.	Special Education	Emotional Intelligences

**Saturday, April 10, 2010, 8:30 AM - 9:30 AM Fernando A. Salinas Lecture Room (WHTC 111)**

No.	Presenter	Reg. Type	Discipline	Project Title
105	Daniel R. Vera	U. S.	Biology	Starving Cichlids: The Proximate Regulation of Appetite in Cichlid Fishes
106	Javier O. Parra	U. S.	Biology	Hormones and Sexual Behavior in <i>Astatotilapia burtoni</i> , a cichlid fish
107	Roger E. Olvera	U. S.	Biology	Prostaglandin Mediated Mate Choice in Cichlid Fishes
115	José E. Garza	U. S.	Chemistry	Detection of Metals in Vitamins

**Saturday, April 10, 2010, 8:30 AM - 9:30 AM WHTC 125**

No.	Presenter	Reg. Type	Discipline	Project Title
144	José D. Rodríguez	U. S.	Environmental Science	Neptune
145	Edwin Torres	U. S.	Mathematics	Rigor vs. Intuition: Picture Proofs
146	Juan J. Arellano	G. S.	Mathematics	Misconceptions with Rational Exponents for Teaching in Grade School
147	Josue López	G. S.	Mathematics	Emotional Intelligence and Leadership Effectiveness

**Saturday, April 10, 2010, 8:30 AM - 9:30 AM WHTC 126**

No.	Presenter	Reg. Type	Discipline	Project Title
213	Mike Swoboda	G. S.	Fitness and Sports	Energy Metabolism in MELAS A3243G
214	Claudia López	G. S.	Fitness and Sports	What exercise intensity will help to burn more fat?
215	Kwangseok Hong	G. S.	Fitness and Sports	Exercise and IGF-1: Good VS Bad for Cancer
216	Claudia López	G. S.	Fitness and Sports	Effective Types of Physical Activity and Exercise Intensity for Burning Fat

**Saturday, April 10, 2010, 8:30 AM - 9:30 AM WHTC 116**

No.	Presenter	Reg. Type	Discipline	Project Title
303	Jorge L. Guerrero	U. S.	Computer Science	Peer to peer network; it's not just for music.
306	Luis A. Cisneros Jr.	U. S.	Information Systems	Computer Security and Information Technology
313	Ravikiran Puchalapalli	G. S.	Management Information Systems	<i>No Title Submitted</i>

## Oral Session 2

*U. S. (Undergraduate Student) G. S. (Graduate Student) D.S. (Doctoral Student)*

### Friday, April 9, 2010, 7:00 PM - 8:00 PM SC 225

No.	Presenter	Reg. Type	Discipline	Project Title
400	Clarissa Moreno	U. S.	English	Reginal's Awakening
401	Deena Garza	U. S.	English	"Through Sara's Eyes"
100	Vanessa García	U. S.	Astronomy	Once Upon A Star

### Friday, April 9, 2010, 7:00 PM - 8:00 PM WHTC 125

No.	Presenter	Reg. Type	Discipline	Project Title
158	María R. Medrano	U. S.	Psychology	Politeness Bias Towards Attractive Individuals
159	Wualu Altamira	U. S.	Psychology	The Multiple Personalities of Dissociative Identity Disorder

### Friday, April 9, 2010, 7:00 PM - 8:00 PM WHTC 126

No.	Presenter	Reg. Type	Discipline	Project Title
160	Melissa O'Brien	U. S.	Psychology	Wallet, Keys, Phone: An On-campus Observation of Cell Phones
161	Catherine Avaritt	U. S.	Psychology	Denominational Differences in Percentage of Casual Attire Worn for Worship
500	Stephanie Gunnoe	U. S.	Nursing	Half the Journey

### Friday, April 9, 2010, 7:00 PM - 8:00PM WHTC 116

No.	Presenter	Reg. Type	Discipline	Project Title
163	Diana Martínez	U. S.	Psychology	Discovering the Moon
164	Arlyn Martínez	U. S.	Psychology	Starving for "Beauty"
165	Cynthia Martínez	G. S.	Psychology	What Drives Thee
166	Esther Fatima Garza	G. S.	Psychology	The Benefits of Measuring Treatment Outcome in the TAMIU Counseling Program

### Friday, April 9, 2010, 7:00 PM - 8:00 PM WHTC 103

No.	Presenter	Reg. Type	Discipline	Project Title
149	Mariano García	U. S.	Environmental Science	Environmental Service Department
150	Andrea Beattie	U. S.	Political Science	Changing the Rules of Terrorism: Embracing the Internet
141	Karla Denisse García	G.S.	History	Popular Culture and Its Influence on Betty Friedan's <i>The Feminine Mystique</i>
151	Virgilio Barrera	G. S.	Political Science	Mexican Migration Patterns

### Friday, April 9, 2010, 7:00 PM - 8:00 PM Fernando A. Salinas Lecture Room (WHTC 111)

No.	Presenter	Reg.Type	Discipline	Project Title
102	Paul E. Miranda	U. S.	Biology	Determining the Sugar Binding Specificity of the <i>Acacia rigidula</i> Lectin
103	César García	U. S.	Biology	Physical Medicine at the Laredo Medical Center
104	Allen Tijerina	U. S.	Biology	Physical Medicine at Mercy Kids Rehab
114	Jazmin Atilano	U. S.	Chemistry	Chemical Regulation in Pharmaceuticals

## Conference Committee Members:

### Steering Committee:

Alfredo Ramírez Jr., *Conference Co-Chair*  
 David L. Beck, *Conference Co-Chair*  
 Whitney R. Bischoff, *Nursing Liaison*  
 Jeffrey M. Brown, *Dean, Office of Graduate Studies*  
 Jorge Brusa, *Committee Member*  
 Hugo Luís García, *Conference Co-Chair*  
 Lynne L. Manganaro, *Committee Member*  
 Fernando G. Quintana, *Committee Member*  
 Lynn M. Hemmer, *Committee Member*  
 George R. Potter, *Committee Member*  
 Diana Linn, *Committee Member*  
 Mónica O. Méndez, *Committee Member*  
 Kevin Lindberg, *Committee Member*  
 Alison L. Bory, *Committee Member*  
 Marcus A. Ynalvez, *Committee Member*  
 Mark A. Menaldo, *Committee Member*  
 David K. Milovich Jr., *Committee Member*

## Entertainment:

### Department of Fine and Performing Arts:

Yu-Mei Huang  
 Melissa Treviño  
 Alma Vásquez

## Equipment:

TAMIU Office of Instructional Technology

## Special thanks for their contribution to the Conference:

Candy Hein and the Office of Institutional Advancement  
 Office of Graduate Studies' Staff (*Suzanne Hansen-Alford, Sandra B. García, Isabel Contreras, Virginia Morales, Marcela Blair, Onesimo Martínez, and Shaun Sexton*)  
 Aramark Catering  
 Laura Cortez and the Office of the Student Center  
 Office of Public Relations, Marketing, and Information Services (*Daniel I. Tijerina*)  
 Recreational Sports Center (*Juan Garza*)  
 Physical Plant and Custodial Services (*Albert Lopez and Events' Crew*)  
 Colleges' Staff Volunteers  
 Center for the Fine and Performing Arts (*Alberto Chavarria*)

# Conference Schedule / Agenda

## Friday, April 9, 2010

12:00 - 6:00 p.m.	Registration	WHTC Foyer
1:00 - 1:30 p.m.	Welcome <i>(With refreshments)</i>	Fernando A. Salinas Lecture Room <i>(WHTC 111)</i>
1:30 - 2:30 p.m.	Speakers <i>(College Scholars)</i>	Fernando A. Salinas Lecture Room <i>(WHTC 111)</i>
2:30 - 3:00 p.m.	Judges Briefing	KWRC 128
2:30 - 3:00 p.m.	Poster Set-up #1	KWRC Gym 1
3:00 - 4:30 p.m.	Poster Session #1	KWRC Gym 1
4:30 - 5:00 p.m.	Poster Take-Down	KWRC Gym 1
4:30 - 5:30 p.m.	Oral Session #1	Fernando A. Salinas Lecture Room <i>(WHTC 111)</i> WHTC 103,116, 125 and 126 SC 236
5:00 - 5:30 p.m.	Poster Set-up #2	KWRC Gym 1
5:30 - 7:00 p.m.	Poster Session #2	KWRC Gym 1
5:30 - 7:00 p.m.	Refreshments	WHTC Foyer
7:00 - 7:30 p.m.	Poster Take-Down	KWRC Gym 1
7:00 - 8:00 p.m.	Oral Session #2	Fernando A. Salinas Lecture Room <i>(WHTC 111)</i> WHTC 103,116,125 and 126 SC 225
7:00 - 8:00 p.m.	FPA Session/s	CFPA

## Saturday, April 10, 2010

8:00 - 10:00 a.m.	Registration <i>(with Continental Breakfast)</i>	WHTC Foyer
8:30 a.m.	Judges' Briefing	WHTC 125
8:30 - 9:30 a.m.	Oral Session #3	Fernando A. Salinas Lecture Room <i>(WHTC 111)</i> WHTC 104, 116, 125 and 126
9:40 - 10:40 a.m.	Oral Session #4	Fernando A. Salinas Lecture Room <i>(WHTC 111)</i> WHTC 104, 116, 125 and 126
10:50 - 11:50 a.m.	Oral Session #5	Fernando A. Salinas Lecture Room <i>(WHTC 111)</i> WHTC 104
1:50 a.m.	Lunch /Buffet	SC Upstairs Rotunda
11:50 a.m. - 12:20 p.m.	Music/CFPA Dept	SC Ballroom 203
12:20 - 12:30 p.m.	Introduction	SC Ballroom 203
12:30 - 1:00p.m.	<b>TAMIU</b> Scholar of the Year	SC Ballroom 203
1:00 - 2:00 p.m.	Awards and Closing	SC Ballroom 203

# University Oral Session - Oral Session 1

*U. S. (Undergraduate Student) G. S. (Graduate Student) D.S. (Doctoral Student)*

## Friday, April 9, 2010, 4:30 PM - 5:00 PM Student Center 236

No.	Presenter	Reg.Type	Discipline	Project Title
119	Cristina Herrera	U. S.	Communication	The Negative Effects of Medicare
120	Christine Rojas	U. S.	Communication	The Role of Proxemics and Hispanic Women

## Friday, April 9, 2010, 4:30 PM - 5:30 PM Western Hemispheric Trade Center 103

No.	Presenter	Reg. Type	Discipline	Project Title
308	Jesús Eduardo Cuevas	U. S.	Management Information Systems	I.T. Disaster Recovery in Bank Institutions
309	Arturo Montalvo	U. S.	Management Information Systems	Business Alignment in Laredo Today
310	Peerayuth Charoensukmongkol	D. S.	Management Information Systems	Software Piracy and Innovative Capability
311	Ramakanth Lambu	G. S.	Management Information Systems	Memristor: The fourth fundamental component of electronics

## Friday, April 9, 2010, 4:30 PM - 5:30 PM Fernando A. Salinas Lecture Room (WHTC 111)

No.	Presenter	Reg. Type	Discipline	Project Title
206	Clarissa Vasquez	G. S.	Educational Administration	Early Childhood and Cognitive Development
207	José Maldonado	G. S.	Educational Administration	Successful Leaders in the Classroom; Time Management and Emotional Intelligence
208	Nancy Bernal	G. S.	Educational Administration	Multiple Intelligences and Commitment Ethics
209	Madison Mojica	G. S.	Educational Administration	Brown vs. Topeka: Impact on Contemporary Education

## Friday, April 9, 2010, 4:30 PM - 5:30 PM WHTC 116

No.	Presenter	Reg. Type	Discipline	Project Title
154	Julian E. Rios	G. S.	Psychology	Shortcut Performance and the Effects of Landmark-Based Cognitive Maps
155	José J. Valadez	G. S.	Psychology	Self-Image as a Characteristic in Female Mating Strategies

## Friday, April 9, 2010, 4:30 PM - 5:30 PM WHTC 125

No.	Presenter	Reg. Type	Discipline	Project Title
124	Kimberly Hill	U. S.	Criminal Justice	Do Attitudes toward Homosexuality Differ among Hispanic College Students?
125	Emanuel Diaz	U. S.	Criminal Justice	Is it Really a Dangerous Place to Live
126	Cesar I. Vásquez	U. S.	Criminal Justice	Optical Illusions

## Friday, April 9, 2010, 4:30 PM - 5:30 PM WHTC 126

No.	Presenter	Reg. Type	Discipline	Project Title
127	Jeffrey A. González	U. S.	Engineering	Abstract: How to Increase the Efficiency of a Nuclear Reactor
128	Gabino Torres	U. S.	Engineering	Metamaterial Applications
142	Julio Talamantes	U. S.	Mathematics	An Expansion of Pascal's Triangle
143	René Montemayor	G. S.	Mathematics	Representation Theory, an Overview
148	Joseph Garza / Maciel Vital	U. S.	Mathematics	The Great Expansion: Cosmic Inflation Theory

## Poster Session 2

U. S. (Undergraduate Student) G. S. (Graduate Student) D.S. (Doctoral Student)

### Friday, April 9, 2010, from 5:00 PM - 7:00 PM KWRC Gym 1

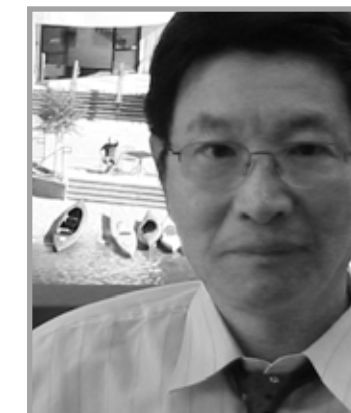
No.	Presenter	Reg. Type	Discipline	Project Title
102	Juan J. Martínez Jr.	U. S.	Astronomy	The Planet Mercury
107	Vania Magallanes	U. S.	Biology	Internship at Laredo Sports Medicine Clinic
108	Ricardo Medrano Jr.	U. S.	Biology	Characterization of Bone Porosity using Nuclear Magnetic Resonance
109	Navil Lozano	U. S.	Biology	Designer Babies
110	María E. Zamora	U. S.	Biology	Pharmaceuticals in the Environment: Environmental Toxicology
111	Mark Garner	U. S.	Biology	Survey of Hospital Operations
117	Ana Coronado	U. S.	Criminal Justice	"Justice for All" or "Justice for Some"?
123	Amulfo Cazares	U. S.	Engineering	Engine Fire Solutions
124	Cynthia Griselda García	G. S.	English	Experiencing a New Language in a South Texas High School Writing Class
127	Erik S. Pérez	G. S.	Environmental Science	Metal Tolerance of the Bacterial Community of a Riparian Ecosystem
128	César Vanoye	U. S.	History	A Dark Origin
129	John Praska	G. S.	Mathematics	A Plan To Keep Our City Clean and Rich
130	Gabriel Trejo	U. S.	Physics	Gravity and Electromagnetic Waves
137	Leylee Martínez	U. S.	Psychology	Psychological Development of Children in Schools
138	Leslie Pineda	U. S.	Psychology	Saturn – Lord of the Rings
139	April Jimerson	U. S.	Psychology	The Correlation Between Substance Abuse and Domestic Violence
140	Omar García	G. S.	Psychology	Homograph Disambiguation
141	Josefa Lucio	G. S.	Sociology	Issues in Implementing The Victims of Trafficking Protection Act
200	Heriberto Hernández	G. S.	Bilingual Education	<i>No Title Submitted</i>
203	Maricella Salinas	G. S.	Curriculum and Instruction	Difference between Strength Quest and Emotional Intelligence Test.
204	Erika Rojas	U. S.	Early Childhood Education	A Communication Barrier
205	Leslie Wídales	U. S.	Early Childhood Education	Development of Children in Schools
206	Laura Olivas	U. S.	Early Childhood Education	Twins
217	Elias Alonzo III	D. S.	Educational Administration	Perceptions and Reality of Quality College and Work-Force Readiness Programs
218	Guadalupe Cortinas Jr.	D. S.	Educational Administration	The Aftermath of Accountability in Education
219	Liz A. López	G. S.	Educational Administration	<i>No Title Submitted</i>
220	Patricia Hinojosa	G. S.	Educational Administration	<i>No Title Submitted</i>
221	Javier F. Vásquez	G. S.	Educational Administration	Assertion and Emotional Intelligence
222	Erika Gutierrez	G. S.	Educational Administration	Closer Look to Montessori Schools
223	Angie Hernández	G. S.	Educational Administration	Confucius and Modern Education
224	Clarissa Vásquez	G. S.	Educational Administration	Confucius and Modern Day Learner-Centered Classrooms
225	Ángel G. Ramos	G. S.	Educational Administration	Education for Democracy
226	Sylvia A. Obregon	G. S.	Educational Administration	Education in the New Nation
227	Nannette Ramos	G. S.	Educational Administration	Emotional Intelligence in Empathy
228	Adriana González	G. S.	Educational Administration	Emotional Intelligence – Self Esteem
229	Basilio Salas	G. S.	Educational Administration	No Child Left Behind: It's Effect in Laredo
230	Cristina Palomares	G. S.	Educational Administration	Self Esteem and Teacher Effectiveness
231	Roberto González	G. S.	Educational Administration	Stress Management and Leadership
232	Frank Gutiérrez	G. S.	Educational Administration	Women's Suffrage in Education
234	Minerva López	G. S.	Educational Administration	Women's Trajectory in Education
239	Claudia Villarreal	G. S.	Reading	Correlation between Literacy and Delinquency
240	Rubén García	G. S.	Reading	Dual Language Education: Is this Program Producing Biliterate Students along the Texas-Mexican Border
241	Rodolfo Guevara	G. S.	Reading	Is Socioeconomics an Important Factor in Education?
242	Francisco Morales	G. S.	Reading	The Challenges that ELLs Encounter When Transferring from Their Native Language
243	Monica Mora	G. S.	Reading	How Schools Can Improve the Parental Involvement of Spanish – Speaking Parents
244	Areli García	U. S.	Fitness and Sports	Is the Exercise Guideline for Fat Loss Accurate?

## Special Speakers

### Dr. Qingwen Ni

#### Texas A&M International University Scholar of the Year 2009

Dr. Ni earned a Ph.D. in Solid-State Physics and Nuclear Magnetic Resonance (NMR) from the University of North Texas in 1991. He was a Postdoctoral associate at Purdue University for two years and eight years at Southwest Research Institute. He joined **TAMU** in 2001. His scholarly accomplishments include: four U.S patents, a book chapter, 14 papers in peer review journals and numerous papers in conference proceedings. Additionally, Ni has been awarded two NSF grants: South Texas Border Mathematics and Pre-Engineering Graduates, 2003-08 and Major Research Instrument (MRI): Acquisition of a Low-Field NMR for Research and Education at **Texas A&M International University**, 2008-2011. Ni continues to develop nuclear magnetic resonance (NMR) related research for the University and students.



### Dr. Jorge Brusa

#### A. R. Sanchez, Jr. School of Business 2009 Scholar of the Year

Dr. Brusa is an associate professor at **Texas A&M International University**. He has an undergraduate degree from the Universidad del Litoral (Argentina), master's from the University of Arkansas, and doctoral degrees from the Universidad de Belgrano (**Argentina**) and the University of Arkansas. His research interests include the study of new technologies in international markets, investments, and corporate finance. His studies has been published by the *Journal of Business, Finance and Accounting*, the *International Review of Financial Studies*, the *Review of Quantitative Finance and Accounting*, the *Journal of Applied Finance*, the *International Journal of Business Research*, the *International Trade Journal*, the *Review of Futures Markets*, the *European Journal of Management*, the *Quarterly Journal of Finance and Accounting*, and *Managerial Finance*.



### Dr. Jennifer M. Coronado

#### College of Education 2009 Scholar of the Year

Dr. Jennifer M. Coronado earned a Ph.D. in Curriculum and Instruction in 2005. She has been a **TAMU** faculty member since 1997. Her research interests include teacher preparation, teacher induction, and English language learners. Her published articles from 2008-2009 include, "Si Soy Bilingüe, but: Latino Teacher Preparedness on the Border," "Walking in English Language Learners' Shoes: A University's Effort to Increase Awareness of Pre-service Teachers," "Lecto-escritura Familiar: Family Literacy," "Quality Mentoring: The Missing Link in Retaining Beginning Teachers" and "Relating Learning to Theory: Sofia's Journey Into the World of Writing."



## Dr. Robert W. Haynes

### College of Arts and Sciences 2009 Scholar of the Year

Dr. Haynes received his doctorate in English from the University of Georgia in 1991 and is in his 19th year on the TAMIU faculty. He served as president of the faculty senate in 2008-2009. Last year he published articles on Shakespeare, Tudor humanist, Thomas Starkey, and the late Texas playwright, Horton Foote. His book on Horton Foote will appear later this year.



## Artistic Presentations

**Violin Duets Performed under the direction of Dr. Yu-Mei Huang from the Department of Fine and Performing Arts**

**Student Performers:** Melissa Treviño, Alma Vásquez

## Conference Judges and Moderators

**Special thanks to the following conference judges and moderators for their contributions to the conference:**

Alan L. Seitel  
Alfred K. Addo-Mensah  
Alfredo Ramírez Jr.  
Anna Cieslikca  
Candace K. Baker  
Cathy L. Guerra  
Chen-Han Sung  
Claudia E. San Miguel  
Dae-Hoon Kwak  
Diana Linn  
Eduardo E. Chapa-Leiva  
Faridoun Farrokh  
Fernando G. Quintana  
Firooz Khosraviyani  
George R. Potter  
Haibo Wang  
Hari P. Mandal  
Hugo L. García  
Jorge Brusa  
Juan H. Hinojosa

Juan M. González  
Kyung-Shin Park  
Lola O. Norris  
James A. Norris  
Lynn M. Hemmer  
Lynne L. Manganaro  
Marcela Moran  
Marcus A. Ynalvez  
Mary R. Chávez  
Melissa P. García  
Michael R. Kidd  
Miguel San Miguel  
Miroslava Vargas  
Mónica O. Méndez  
Monica Muñoz  
Neal C. McReynolds  
Patricia E. Uribe  
Phu D. Hoang  
Qingwen Ni  
Rafael E. Romo

Ramón Alaníz  
Randel D. Brown  
Hoonendara R. Goonatilake  
Ruby A. Ynalvez  
Runchang Lin  
Sandra E. Garrett  
Sergio D. Garza  
Siddharth Shankar  
Sukho Lee  
Thomas C. Vaughan  
Horacio G. Palacios  
Jessie Mena  
Vivian García  
Whitney R. Bischoft  
John C. Kilburn  
Christopher N. Lawrence  
Arturo Limón

# University Poster Session - Poster Session 1

U. S. (Undergraduate Student) G. S. (Graduate Student) D.S. (Doctoral Student)

## Friday, April 9, 2010, from 2:30 PM - 4:30 PM KWRC Gym 1

No.	Presenter	Reg. Type	Discipline	Project Title
100	Alma Vásquez	U. S.	Anthropology	Astronomy in History
103	Anuron Mandal	U. S.	Biology	Endosymbiotic Theory
104	Raul Castro	U. S.	Biology	The Venus Flytrap
105	Daniel Villagran	U. S.	Biology	Tick Activity during 2005-2009 on the TAMIU Campus (Webb)
106	Christina Medina	U. S.	Biology	Worm-A-Holic: The Effects of Alcohol on Living Organisms
112	Marlina Poncé de León	U. S.	Chemistry	Case Study- Brain Injury
113	Cynthia De la Miyar	U. S.	Chemistry	Toxic organic chemicals: environment and control
114	Nidia Yanez	U. S.	Communication	<i>No Title Submitted</i>
115	Tirso Morales	U. S.	Communication	Applying Newton's Laws of Motion to Astronomy
116	Elida Garnica	U. S.	Communication	The End of the Planet Pluto
118	Alejandro De La Fuente	U. S.	Engineering	<i>No Title Submitted</i>
119	Salvador Méndez	U. S.	Engineering	3-D Surface Position Tracking Software and Hardware
120	Marco Serna	U. S.	Engineering	Extent of Texas Oil Exploration
121	Salvador Méndez	U. S.	Engineering	Solar Powered Future
122	Marco Serna	U. S.	Engineering	Teleportation: How it Works
125	Thomas P. Williams	U. S.	Environmental Science	Galileo Galilei
126	Karla Gutierrez	U. S.	Environmental Science	Venus
131	Adela Renee Álvarez	U. S.	Political Science	Texas Stands Above The Rest
132	Vanessa Hinojosa	U. S.	Political Science	Texas, A Unique State
133	Carlos Figueroa	U. S.	Psychology	Kepler's Laws of Planetary Motion
134	Kristen Garza	U. S.	Psychology	Psychosomatic Symptoms
135	José Valadez	G. S.	Psychology	Relationships Between Chocolate and Sex Attitudes With Self-Esteem
136	Anale Dovalina	U. S.	Chemistry	The Effects of Sulfates in the Body
201	Annie Elizabeth Miller	U. S.	Communication Disorders	Exploring the World of Autism
202	Karla C. Garza	U. S.	Communication Disorders	Speech Therapy: Transforming the Lives of Children
207	Susana Garza	D. S.	Educational Administration	Divorce and Dropout – Discouraging Data?
208	Ángel G. Ramos	G. S.	Educational Administration	Education for Democracy
209	Israel Lerma	G. S.	Educational Administration	<i>No Title Submitted</i>
210	Judith Valles	G. S.	Educational Administration	Christian Education?: How Saint Augustine's teachings are applied in today's
211	Stella Cortez	G. S.	Educational Administration	Emotional Intelligence and Leadership
212	Karen Treviño	G. S.	Educational Administration	Emotional Intelligence and Self Esteem
213	Olga Vela	G. S.	Educational Administration	Empathy in School Environment
214	Priscilla Leija	G. S.	Educational Administration	Female Contributions to the Educational System
215	Beatriz Y. Vásquez	G. S.	Educational Administration	Learning Styles and Differentiated Instruction/A Closer look
216	Heberto Leal	G. S.	Educational Administration	Mentors in Education
235	Claudia M. López	U. S.	Fitness and Sports	Does Empathy Lead to Improvement in Student Discipline for Educators?
236	Jorge Alberto Cavazos	U. S.	Reading	The Relationship Between Teacher Expectations and ELLs Success
237	Sonia Alvarado	U. S.	Reading	The Role of Librarians in Elementary Schools
238	Tanya Torres	G. S.	Reading	Literacy Changes in the Area of Vocabulary in Texas State Assessments
243	Alma R. Rangel	G. S.	Special Education	Emotional Intelligence and Coping with Stress
244	Elda G Quintero-Grajeda	G. S.	Special Education	How Important are Leadership Skills in a Principal
300	María José Buendía	U. S.	Business Administration	<i>No Title Submitted</i>
301	Izamar Zapata	U. S.	Marketing	Planet Earth