| November 7-8, 2017 | **Ninth Annual International Research Conference for Graduate Students** |
The Graduate College Thanks Our Sponsors:

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McCoy College of Business Administration

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The Graduate House of Representatives

University Bookstore
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<td>5-6p.m.</td>
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<td>6-7:30p.m.</td>
<td>Reception and Poster Session</td>
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<td>8a.m.-2:15p.m.</td>
<td>Registration and Check-In</td>
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<td>Coffee Break</td>
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<td>12:30-1:45p.m.</td>
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<td>9a.m.-3:30p.m.</td>
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<tr>
<td><strong>Conference Opening Panel</strong></td>
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<td>5-6p.m.</td>
<td><strong>Welcoming Remarks</strong></td>
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| LBJ Student Center Ballroom | Dr. Andrea Golato  
Dean, The Graduate College, Texas State University  |
|  | **Distinguished Research Panel** |
|  | Dr. Dennis Dunn  
Regents’ and University Distinguished Professor of History  
Director, Center for International Studies  
Texas State University  |
|  | Dr. Paige Haber-Curran  
Associate Professor and Coordinator of Student Affairs in Higher Education graduate program  
Texas State University  |
|  | Dr. Todd W. Hudnall  
Associate Professor of Chemistry and Biochemistry  
Texas State University  |
|  | Dr. Nico Schüler  
University Distinguished Professor of Music Theory and Musicology  
Texas State University  |
|  | **Student Moderator:** Kelly Gourluck, Sociology, Graduate House Representative, Texas State University  |
| **Reception and Poster Session** |  |
| 6-7:30p.m. | **Adult, Professional and Community Education/Biology** |
| LBJ Student Center Ballroom | **Student Veteran and Faculty Relationships**  
Peggy Everett and Sierra Sullivan, Adult Professional and Community Education, Texas State University  |
|  | **When Purpose Calls**  
Joslyn Johnson, Adult Professional and Community Education, Texas State University  |
|  | **Exploring Parental Attitudes toward Science and Involvement of Latino Parents with Family Science Nights**  
Izzy De Leon and Julie Westerlund, Biology, Texas State University  |
<p>|  | <strong>Respondent:</strong> Dr. Mattyna Stephens, Adult Professional and Community Education, Texas State University  |</p>
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<tr>
<th>Anthropology</th>
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| Assessment of Interobserver and Intraobserver Error in the Utility of Dental Cementum Increment Analysis for Estimating Season-of-Death on Naturally Decomposed Skeletons  
Mary Swearinger, Anthropology, Texas State University                                                   |
| Stress and Stress Management Among Texas State University Undergraduate Students  
Taylor Roberts, Anthropology, Texas State University                                                                |
| **Respondent:** Dr. Beth Erhart, Anthropology, Texas State University                                      |

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<th>Chemistry and Biochemistry</th>
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| The Role of the Vacuolar (H+)-ATPase in Neuroblastoma Cell Differentiation Induced by micro RNA-506-3p  
Geraldo Medrano and Liqin Du, Biochemistry, Texas State University                                      |
| Novel Electroactive Polymers  
Marisa Snapp-Leo, Kelli Burke, Chemistry, Mariana Ocampo, Materials Science, Engineering and Commercialization and Jennifer Irvin, Chemistry, Texas State University  
Respondents: Dr. Liqin Du, Biochemistry and Dr. Jennifer Irvin, Chemistry, Texas State University |

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<th>Communication Disorders-1</th>
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| Becoming ‘the Other’: International Experience to Foster Cultural Competence in Communication Disorders  
Celeste Domsch, Lori Stiritz and Pamela Emekewue, Communication Disorders, Texas State University  
**Non-Word Repetition and Vocabulary in Adolescents who are Blind**  
Carol Bittinger, Celeste Domsch, Maria Diana Gonzales and Rahul Chakraborty, Communication Disorders, Texas State University  
**Sentence Combining Treatment for At-Risk 4th Graders: Effects on Productivity and Syntactic Complexity**  
Celeste Domsch, Linda Rodriguez and Laura Titzman, Communication Disorders, Texas State University  
**Respondent: Dr. Peter Golato, Modern Languages, Texas State University** |


Communication Disorders-2

A Correlation Between Language Proficiency and Self-report During Oral Translation
Cristina Trevino, Ana Cecilia Mena, Jennifer Guajardo, Maria Resendiz and Jason Tipps, Communication Disorders, Texas State University

The Effect of Language Proficiency on Word Choice in Storybook Translation
Tammy Wallace, Iris Flores, Haley Simmons, Cecilia Perez and Amy Louise Schwarz, Communication Disorders, Texas State University

The Effects of Story Translation on Sentence Complexity
Klarissa Perez, Marcia Monk, Thinh Nguyen, Maria Resendiz and Amy Louise Schwarz, Communication Disorders, Texas State University

Translation Variation Among Sequential and Simultaneous Spanish-English Bilinguals
Maria D. Urbina, Lanize Flores, Marcella R. Murray, Linda R. Rodriguez, Maria Resendiz and Maria D. Gonzales, Communication Disorders, Texas State University

Respondent: Dr. Rahul Chakraborty, Communication Disorders, Texas State University

Engineering/Mathematics

A Linear Programming Approach to Solve the Dynamic Facility Layout Problem and to Reduce Supply Chain Costs Complexity
Gowtham Balachandran, Engineering, Texas State University, Clara Novoa, Materials Science, Engineering, and Commercialization, Lehigh University and Apan Qasem, Computer Science, Rice University

Optimized Sparse Matrix Operations and Hardware Implementation in FPGA
Dinesh Kumar Murthy and Semih Aslan, Engineering, Texas State University

A New Classification of the Dihedral Group of Order Eight
Nathan Jones and Thomas M. Keller, Mathematics, Texas State University

Respondent: Dr. Vishu Viswanathan, Engineering, Texas State University
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<th>Mathematics Education/Interdisciplinary Studies</th>
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| **A Comparative Study of Middle School Mathematics Teachers’ Pedagogical Content Knowledge and Belief Towards Teaching Between the U.S. and China**  
Zhaochen Song, Mathematics Education, Texas State University |
| **Racial/Ethnic Differences in Occupational and Psychosocial Factors Among Public School Teachers**  
Melissa Garza, Elia Bueno, Liliana Espinoza, Angela Johnson and Krista Howard, Interdisciplinary Studies, Texas State University |
| **Respondent: Dr. Alejandra Sorto, Mathematics Education, Texas State University** |

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| **Development of Normal Database for Instrumented Cognitive Assessment in Virtual Reality Environment**  
Sarah Edmiston, Benjamin Salinas and Denise Gobert, Physical Therapy, Texas State University |
| **Pilot Study: Characterizing Neuromuscular Trunk and Balance Response to Instrumented Hippotherapy**  
Benjamin Salinas, Sarah Edmiston and Denise Gobert, Physical Therapy, Texas State University |
| **Respondent: Dr. Brenda Boucher, Physical Therapy, Texas State University** |

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<th>Political Science/Public Administration/Criminal Justice</th>
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| **Factors in Rejection of Presidential Nominees to the U.S. Supreme Court**  
Amy Perry, Political Science, Texas State University |
| **Conductive Capacity of the State: An Assessment of Mexican Political Institutions Since the Merida Initiative**  
Jose Olvera, Public Administration, Texas State University |
| **Comparing Judicial, Jury, and Litigant Perceptions of the Trial Process**  
Aaron Duron, Angela Jones and Shayne Jones, Criminal Justice, Texas State University |
| **Respondent: Dr. Rudy Hernandez, Political Science, Texas State University** |
Psychological Research

Emotion Dysregulation and Interpersonal schemas
Fatemeh Fereidooni and Ty Schepis, Psychological Research, Texas State University

Inhibition of Power-banded EEG Brain Activity in Chronic Pain Sufferers During an Approach-Avoidance Decision-Making Task
Callie (Bland) De La Cerda, Psychological Research, Texas State University, Abby Hartman, Psychological Research, Southern Methodist University, Tracy Brown, Psychological Research, Tarleton State University and Amber Harris-Bozer, Psychological Research, Texas State University

Major Depressive Disorder in College Students
Angela Johnson, Melissa Garza, Liliana Espinoza and Krista Howard, Psychological Research, Texas State University

Pre-Operative and One-Year Post-Operative Influence of Major Depressive Disorder on Outcomes Following Total Knee Arthroplasty
Marieke Visser and Krista Howard, Psychological Research, Texas State University

Respondent: Dr. Carmen Westerberg, Psychological Research, Texas State University
| November 8, 2017 Concurrent Sessions | **Panel 1: Adult, Professional and Community Education/Social Work: Advanced Practice Leadership/Mathematics Education**  
**LBJSC 3-5.1**  
**Barriers to Effective Instruction in the Prison Classroom: A Review of the Literature**  
Brittany Davis, Adult, Professional and Community Education, Texas State University  
Interprofessional Simulation (IPS) as an Educational Tool to Address Underserved Representation and Cultural Competence Among Future Rural Health Professionals  
**Designing a Motivation Intervention in College Calculus**  
Enes Akbuga, Mathematics Education, Texas State University  
**Early Measures to Enhance Female Students’ Interest in Stem Education: An International Comparative Study**  
Owusu Boaky, Adult, Professional and Community Education, Cano Amaya Rodriguez, Geography, Texas State University and Adu Yeboah Boakye, Business Administration, Kings University College, Ghana  
Panel Chair: Dr. Jovita Ross-Gordon, Adult, Professional and Community Education, Texas State University |
| --- | --- |
| | **Panel 2: Communication Studies/Mass Communication/Sociology**  
**LBJSC 3-9.1**  
**If the Glove Fits: Hegemonic Narratives of Race in The People v. O.J. Simpson: American Crime Story**  
Austin Allen, Communication Studies, Texas State University  
**Consumer Insights Report of Ethnic Specific Advertisements SNCL Agency Group**  
Nivia K. Escobar-Salazar, Shaakira White and Peiheng Li, Communication Studies, Florida State University  
**Advertising to the Black Diaspora: Texturism as an Extension of Colorism**  
Jenē Shepherd, Mass Communication, Texas State University  
**The Spectrum of Inequality: Depictions of Colorism in Make-Up Color Names**  
Hayden Prince, Sociology, Texas State University  
Panel Chair: Dr. Emily Ehmer, Mass Communication, Texas State University |
Panel 3: Geographic Information Science
LBJSC 3-10.1

Crimean-Congo Hemorrhagic Fever (CCHF) Geographic and Environmental Risk Assessment in the Balkan and Anatolian Peninsulas
Mark A. Deka, Geographic Information Science, Texas State University

Using GIS to Develop Fly Tipping Vulnerability Index Map for Bassetlaw District Council
Andrews Odoom, Geographic Information Science, University of Brighton, UK

Incorporate remote sensing techniques and “Local Climate Zone” concept to investigate “Surface Urban Heat Island” phenomenon for three metropolitan areas of Texas
Chunhong Zhao, Geographic Information Science, Texas State University

Panel Chair: Dr. Yongmei Lu, Geography, Texas State University

Panel 4: Technology Management/Physics
LBJSC 3-13.1

A Semantic Supervised Text Analytics Technique for Classification of Manufacturing Suppliers
Ramin Sabbagh and Farhad Ameri, Technology Management, Texas State University

Study of Different Oxide Concentrated Nickel Oxide Thin Films Using Scanning Probe Microscopy
Shankar Chandra Acharya and Mariah Chappell, Physics, Texas State University

Construction Demand Forecasting for a Manufacturer Construction Equipment Based on Traditional and Supervised Machine Learning Methods
Ali Ghanbari and Farhad Ameri, Technology Management, Texas State University

Panel Chair: Dr. Fred Aguayo, Engineering Technology, Texas State University
Panel 5: Spanish and Latin American Literature
LBJSC 3-14.1

Family Structures and Matrimony in Doña Perfecta (1876): Representation of the Creation of Nation
Angela Pierce, Spanish, Texas State University

Prison as a Metaphor for Spain in El Lápiz del Carpintero by Manuel Rivas
Kenny Suazo, Spanish, Texas State University

Gabriel García Márquez's 'Montiel’s Widow': A Life Without a Name and Freedom
Luann Williams, Spanish, Texas State University

Fantastic Reality and Solitude in El Avión de la Bella Durmiente by Gabriel García Márquez
Diana Young, Spanish, Texas State University

Panel Chair: Dr. Catherine Jaffe, Modern Languages, Texas State University

Coffee Break
10:30-10:45a.m.
Hospitality Room 3-15.1
Panel 1: Aquatic Resources/Biology
LBJSC 3-5.1
Estimating Population Size of the Rio Grande Cooter (Pseudemys gorzugi) for the Devils River in Texas
Shashwat Sirsi, Andrew R. MacLaren, Aquatic Resources, Texas State University, Daniel H. Foley III, Aquatic Resources, Sul Ross State University Rio Grande College and Michael R. J. Forstner, Aquatic Resources, Texas State University

Using Museum Records to Re-examine the Historic Range of the Houston Toad (Bufo houstonensis)
Andrew R. MacLaren and Michael R. J. Forstner, Aquatic Resources, Texas State University

Evaluating the Detection of the Houston Toad (Bufo [=Anaxyrus] houstonensis) Using Environmental DNA
William W. Keitt, Dittmar Hahn, David Rodriguez and Michael R. J. Forstner, Aquatic Resources, Texas State University

Panel Chair: Dr. Bob McLean, Biology, Texas State University

LBJSC 3-9.1
Biogeochemical Analysis of Undocumented Migrants
Robyn Kramer and Nick Herrmann, Anthropology, Texas State University, Eric Bartelink, Anthropology, California State University, Kate Spradley, Anthropology, Texas State University and Dr. Clement Bataille, Geography, University of Ottawa

Curating Memory through Pinterest and The Postmaterial Memorial
Krista Pollett, History, Texas State University

Ebola in Liberia: A Narrative of the Communication Failures and Successes
Maximilian E. Petri, International Studies, Texas State University

Homeless Needs in Abilene, Texas
Jonathan Fasse, Wayne Paris, Tom Winter and Rachel Slaymaker, Social Work, Abilene Christian University

Panel Chair: Dr. Rich Warms, Anthropology, Texas State University
### Panel 3: Mass Communication
**LBJSC 3-10.1**

#### Exploring Visual Frames and News Sources: A Comparison of International Media Coverage of Hurricane Harvey
Eun Jeong Lee, Mass Communication, Texas State University

#### Social Media and Mass Media Effects on Post-Disaster Relief Efforts Following Hurricanes Harvey and Irma
Jordan Cooper, Megan Gray, Ila Mar and Vincent Verduzco, Mass Communication, Texas State University

#### Visual Framing of Immigrants During the 2016 US Presidential Election
Ryan Leach, Mass Communication, Texas State University

#### Framing Political Dissent: Analysis of Media Images Portraying the Quinceañera Protest
Debra Muller Price, Mass Communication, Texas State University

#### Political Interactions on Social Media by College Students
Sean Smith, Alexandra White and Logan Self, Mass Communication, Texas State University

**Panel Chair:** Dr. Prisca Ngondo, Mass Communication, Texas State University

**Graduate Student Moderator:** Kelly Gourluck, Graduate House Representative, Texas State University

### Panel 4: Communication Studies
**LBJSC 3-13.1**

#### Hispanic Motivation to Consume American Football
Carlos R. Galindo and Gaston Yvorra, Communication Studies, Florida State University

#### Gatorade Sports Advertisements: The Design of the Ads
Samantha Lopez, Mass Communication, Texas State University

#### Impact of e-WOM on Consumer Behavior: A Comparative Analysis Across Ethnic Groups
Nivia K. Escobar-Salazar, Communication Studies, Florida State University

#### Mental Health Information-Seeking Behavior: Comparing Acculturation and Gender Among Hispanics
Juan Carlo Villatoro and Sindy Chapa, Communication Studies, Florida State University

#### Connected through Dissonance
Sean Sawicki, Communication Studies, Florida State University

**Panel Chair:** Dr. Sean Horan, Communication Studies, Texas State University
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<td>Carly Conklin, Theatre, Texas State University</td>
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<td><strong>Linear and Vertical Function of Guttural Vocals in Death Metal</strong></td>
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<td>Kaylie Young, Music, Texas State University</td>
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<td><strong>Sexualization of Queer Women in Science Fiction and Fantasy Television</strong></td>
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<td>Jamilah Christiansen, Sociology, Texas State University</td>
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<td><strong>Analyzing Brand Resonance for LGBTQ+ Consumers in Video Games</strong></td>
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<td>Samantha Sumler, Communication Studies, Florida State University</td>
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<td><strong>The Depiction of the Relationship Between Transgender Individuals and Family in Film</strong></td>
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<td>Jordan Chaffin, Sociology, Texas State University</td>
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**Panel Chair:** Dr. Audwin Anderson, Sociology, Texas State University
Keynote Address and Awards Luncheon  
12:30 - 1:45 p.m.  
LBJ Student Center Ballroom

Welcoming Remarks

Dr. Andrea Golato  
Dean of The Graduate College, Texas State University

Speaker Introduction

Dr. Sandy Rao  
Assistant Dean of The Graduate College, Texas State University

Keynote Address

"In the First Degree: The Challenges and Benefits of Postsecondary Prison Education"

Adam Key

Speech Instructor and Director of the Prison Debate Program at the Huntsville Center, Lee College, Texas.

Top Student Paper Awards Presentation
2:00-3:30 p.m.

**Panel 1: Sustainability Studies/Public Administration/Legal Studies**

**LBJSC 3-5.1**
Ecosystem Services and Damage Costs of Federal Lands: Case Study of the Arctic National Wildlife Refuge of Alaska
Phoenix Castilla, Sustainability Studies, Texas State University

Climate Change Depiction
Ashley Pritchard, Sustainability Studies, Texas State University

An Exploratory Framework to Assess Urban Wildfire Mitigation Policy in Austin, Texas
Reginald Brooks, Public Administration, Texas State University

Revoking BP’s Corporate Charter for Environmental Infractions
James Kemp, Legal Studies, Texas State University

**Panel Chair:** Dr. Matt Clement, Sociology, Texas State University

**Graduate Student Moderator:** Gaurav Kumar, Graduate House Representative, Texas State University

**Panel 2: Mass Communication**

**LBJSC 3-9.1**

Ideal Beauty: The Effects of Eurocentric Beauty Standards in the Fashion World on African American Women
Undria Wilson, Mass Communication, Texas State University

Lack of Products for Diverse Skin Tones in the Cosmetics Industry
Kira Moreland, Mass Communication, Texas State University

If Hair is Relaxed, are Folks Truly Relaxed? A Study of Modern Audience’s Perceptions of Natural Hair in the Media.
Janel Lee, Mass Communication, Texas State University

“Lipstick and Politics: A Teen Vogue Analysis”
Storm Monteiro Tyler, Mass Communication, Texas State University

**Panel Chair:** Dr. Vanessa de Macedo Higgins Joyce, Mass Communication, Texas State University
### Panel 3: Adult, Professional and Community Education/ Aquatic Resources/ Interdisciplinary Studies/Sociology

**LBJSC 3-10.1**

**School Daze: Depictions of High School Education Methods in Film**  
Courtney I. Brown, Sociology, Texas State University

**Measuring Students’ Perceptions of Social Media in Science Courses**  
Zachary L. Nolen, Kristy L. Daniel, Aquatic Resources, Texas State University

**The Impact of Relationships on Learning for Adult Students Participating in a Short-term International Field Study**  
Brittany Davis and Joellen Coryell, Adult, Professional and Community Education, Texas State University

**Does watching Films of Self-performance in Practices and Games Lead to Becoming a Better Player?**  
Jaliyah Bolden, Interdisciplinary Studies, Texas State University

Panel Chair: Dr. Joellen Coryell, Adult, Professional and Community Education, and Dr. Floyd Quinn, Management, Texas State University

Graduate Student Moderator: Kelly Gourluck, Graduate House Representative, Texas State University

### Panel 4: Mass Communication

**LBJSC 3-14.1**

**Young Millennials’ Affinity Towards a Corporation and its Social Responsibility**  
Paloma Gray, Bianca Gandaria, Jessica Knight, Jené Shepherd and Stephanie Robinson, Mass Communication, Texas State University

**Social Capital on Instagram**  
Eun Jeong Lee, Mass Communication, Texas State University

**The Influence of Images on Facebook Ad Click Rates**  
Daylin Van Zandt, Mass Communication, Texas State University

**What Makes a Website Popular?**  
Erika Toney, Mass Communication, Texas State University

**Marketing Through Visual Communication to Different Personality Profiles**  
Aaron Lugo, Mass Communication, Texas State University

Panel Chair: Dr. Clay Craig, Mass Communication, Texas State University

Graduate Student Moderator: Amarilis Castillo, Graduate House Representative, Texas State University