9th Annual International Research Conference for Graduate Students

Conference Program

Texas State
The Graduate College

November 7–8, 2017
TUESDAY November 7
5–6 p.m.
Conference Opening Panel
6–7:30 p.m.
Reception and Poster Session

WEDNESDAY November 8
8 a.m. – 2:15 p.m.
9–10:30 a.m.
Concurrent Panel Sessions
10:30–10:45 a.m.
Registration and Check-In
10:45 a.m. – 12:15 p.m.
Concurrent Panel Sessions
12:30 p.m – 1:45 p.m.
Keynote Address and Awards Luncheon
2–3:30 p.m.
Concurrent Panel Sessions
9 a.m.–3:30 p.m.
Hospitality Room, 3–15.1

THE GRADUATE COLLEGE THANKS OUR SPONSORS

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Welcoming Remarks
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
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

Adult, Professional, and Community Education/Biology
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
Judy De Leon and Julie WinterHeld, Biology, Texas State University

Respondent: Dr. Mattyna Stephens, Adult, Professional, and Community Education, Texas State University

Anthropology
Assessment of Interobserver and Intraobserver Error in the Utility of Dental Cementum Increment Analysis for Estimating Season-of-Death on Naturally Decomposed Skeletons
Mary Sweattenger, 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

Chemistry and Biochemistry
The Role of the Vacuolar (H+)-ATPase in Neuroblastoma Cell Differentiation Induced by micro RNA-506-3p
Geraldo Medrano and Linh Du, Biochemistry, Texas State University

Novel Electroactive Polymers
Marina Snapp-Leo, Kelli Burke, Chemistry; Mariana Ocampo, Materials Science, Engineering and Commercialization; and Jennifer Irvin, Chemistry, Texas State University

Respondent: Dr. Liqin Du, Biochemistry, and Dr. Jennifer Irvin, Chemistry, Texas State University

Communication Disorders I
Becoming the Other: International Experience to Foster Cultural Competence in Communication Disorders
Celeste Domsch, Lori Stitzitz and Pamela Emekekwue, Communication Disorders, Texas State University

Non-word Repetition and Vocabulary in Adolescents who are Blind
Carol Bieringer, Celeste Domsch, Maria Diane 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 Tizzman, Communication Disorders, Texas State University

Respondent: Dr. Peter Golato, Modern Languages, Texas State University

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

The Effect of Language Proficiency on Word Choice in Storybook Translation
Tammy Wallace, Iris Flores, Haley Simmons, Cecilia Poret 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, Laniez 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

Mathematics Education/Interdisciplinary Studies
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

Physical Therapy
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

Political Science/Public Administration/Criminal Justice
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
Azion 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
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
Enedelia Jessup, Kennedy Morrison, Chelsea Fordham, Hannah Sims, Katie Tudor, Social Work, Abilene Christian University; Ezdehar Alsahow, Psychology, Abilene Christian University; Donna Pari, Heather Giest, Nursing, Texas Tech University; Wayne Paris, Social Work, Abilene Christian University; and Amy Kalb, Social Work, Wichita State University

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 Boakye, Adult, Professional, and Community Education, Laura Rodríguez Amaya, Geography, Texas State University; and Adu Yebuakye, Business Administration, Kings University College, Ghana

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

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

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

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

Fantastic Reality and Solitude in El Avión de la Bella Durmiente by Gabriel García Márquez
Diana Young, Spanish, Texas State University
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 Clement Bataille, Geography, University of Ottawa, Canada
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 U.S. Presidential Election
Ryan Leach, 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, Sociology, 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
Connected through Dissonance
Sean Sawicki, Communication Studies, Florida State University
Panel Chair: Dr. Sean Horan, Communication Studies, Texas State University
Concurrent Panel Sessions
10:45 a.m. – 12:15 p.m. (Continued)

Panel 5: Sociology/Music/Theatre
LBJSC 3-14.1
Battle of the Sexes: Evil Women in Modern Drama
Carly Conklin, Theatre, Texas State University
Linear and Vertical Function of Guttural Vocals in Death Metal
Kaylie Young, Music, Texas State University
Sexualization of Queer Women in Science Fiction and Fantasy Television
Jamilah Christiansen, Sociology, Texas State University
Analyzing Brand Resonance for LGBTQ+ Consumers in Video Games
Samantha Sumler, Communication Studies, Florida State University
The Depiction of the Relationship Between Transgender Individuals and Family in Film
Jordan Chaffin, Sociology, Texas State University
Panel Chair: Dr. Audwin Anderson, Sociology, Texas State University

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

Top Student Paper Awards Presentation

Panel Chair: Dr. Audwin Anderson, Sociology, Texas State University

Concurrent Panel Sessions
2–3:30 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 Prinichard, 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, Healthcare Administration, 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
Undrea 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

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 and 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, Sociology, Graduate House Representative, Texas State University

Panel 4: Mass Communication

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 Teney, 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, Developmental Education, Graduate House Representative, Texas State University
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