Conference Program

November 13 – 14, 2018
TUESDAY November 13

5 – 6 p.m.  Conference Opening Panel
6 – 7:30 p.m.  Reception and Poster Session

WEDNESDAY November 14

8 a.m. – 2:15 p.m.  Concurrent Panel Sessions
10:30 a.m. – 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 Recognition Luncheon
2 – 3:30 p.m.  Concurrent Panel Sessions
9 a.m. – 3:30 p.m.  Hospitality Room, 3-14.1
Welcoming Remarks
Dr. Andrea Golato
Dean, The Graduate College
Texas State University

Distinguished Research Panel
Dr. Duane Knudson
Professor in the Department of Health and Human Performance
Texas State University
Ms. Ana Baer Carrillo
Associate Professor in the Department of Theatre and Dance
Texas State University
Dr. Christopher P. Rhodes
Assistant Professor in the Department of Chemistry and Biochemistry
Texas State University
Dr. John M. Blair
University Distinguished Professor in the Department of English
Texas State University
Student Moderator: Jenn Idema, Aquatic Resources and Graduate House Representative at Texas State University

Adult, Professional, and Community Education/Biology/Sociology
Understanding Latinx Doctoral Student Experiences at Hispanic-Serving Institutions
Orlando Hinojosa, Adult, Professional, and Community Education, Texas State University

Attitudes toward Science of Latino Parents and Types of Informal Science Activities Performed with Their Children
Izzy De Leon and Julie F. Westerlund, Biology, Texas State University

Transformative Learning and the Refugee and Immigrant Populations: A Review of the Literature
Misty R. Laszlo, Adult, Professional, and Community Education, Texas State University

Inclusion for All: Non-Millennials’ Use of YouTube for Continuing Education
Jessica M. Quintero and Cindy Pena, Adult, Professional, and Community Education, Texas State University

Exploring Educational Needs of Emerging Food Entrepreneurs: Identifying Challenges, Solutions and Resource Gaps within the Austin, Texas Manufacturing Ecosystem
Peg Richmond, Adult, Professional, and Community Education, Texas State University

Respondent: Dr. Jovita Ross-Gordon, Department of Counseling, Leadership, Adult Education & School Psychology, Texas State University

Anthropology/Family and Child Studies/Sociology
Lost Children of the Larco Collection: The Iconography of Childhood and Infancy in Moche Art
Zach Lindsey, Anthropology, Texas State University

Adolescent Academic Resilience: Examining Teacher-Child Interactions as a Potential Buffer
Cambrian Nauman and Priscilla Goble, Family and Child Studies, Texas State University

A Qualitative Study of Young Mothers in College
Kierrah Holliday, Sociology, Texas State University

Respondent: Dr. Augustine Agwu, Department of Anthropology, Texas State University

Aquatic Resources
Mercury Levels in 21 Species of Fish from Canyon Lake, Texas
Taylor Gold Quiros, Aquatic Resources, Texas State University; Clint Robertson, Inland Fisheries, Texas Parks and Wildlife; and Jessica Dutton, Biology, Texas State University

The Implications and Limitations of Phreatic Overgrowths of Speleothems as Sea Level Indicators: Quintana Roo, Mexico
Aubri Jenson, Aquatic Resources and Integrative Biology, Texas State University; Benjamin Schwartz, Biology, Texas State University; Yongli Gao, Lijun Tian, and Yanxia Li, Geological Sciences, University of Texas at San Antonio

Respondent: Dr. Daniel Smith, Department of Biology, Texas State University

Biology/Integrated Agricultural Sciences
Vegetation Survey of the Yegua Knobbs Preserve, Bastrop and Lee Counties, Texas
Diana Digges and David Lemke, Biology, Texas State University

Investigations of the Mycoflora Inhabiting the Bark of Juniperus Ashei (Cupressaceae) in Central Texas
Jessica Bernardin, Trina Guerra, David Rodriguez, and David Lemke, Biology, Texas State University

Use of Botanical Pesticides to Control Sweet Potato Weevil
Harpreet Sandhu and Ken Mix, Integrated Agricultural Sciences, Texas State University

Respondent: Dr. Camilla Carlos-Shanley, Department of Biology, Texas State University
Reception and Poster Session (Continued)

International Research Conference for Graduate Students

Communication Disorders

Pre-Accuracy Study of a Self-Report Proficiency Assessment for Spanish-English Bilingual Speakers
Laura Herrera, Maria Resendiz, Amy Louise Schwarz, and Maria Gonzalez, Communication Disorders, Texas State University

Does Parent Knowledge Change over the Course of Intensive Speech and Language Treatment?
Briana Gutierrez, Melissa Carrillo, Maria Resendiz, and Maria Diana Gonzalez, Communication Disorders, Texas State University

Autism Spectrum Disorder: Differences in Diagnosis and Treatment between Peru and the United States
Yvette Garza, Celeste Domsch, and Jason Tipp, Communication Disorders, Texas State University

Parent Perceptions of Tele-Practice as a Mode to Intervention for Speech and Language Therapy
Christi-Ann Prado, Marle Vargas, Maria Resendiz, and Maria Gonzales, Communication Disorders, Texas State University

Is There an Association between Verbal Utterance Length and Language Proficiency for Spanish-English Bilinguals?
Maria Resendiz, Frances Ulep, Xavier Paredes, Amy Schwarz, and Maria Gonzales, Communication Disorders, Texas State University

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

Criminal Justice

Causes of Death and Physiological Characteristics among TASER-Probable Decedents
Daniel Reinhard and Howard Williams, Criminal Justice, Texas State University

Generational Differences among Police Officers
Aaron Duron, Criminal Justice, Texas State University

Examining the Effects of Fear of Crime on International Students’ Quality of Life
Adaeze Edwards, Criminal Justice, Regina Abalere and Owusu Boskye, Texas State University

Campus Crime Alerts and Their Effects on Perceived Risk of Victimization and Fear of Crime
Adaeze Edwards, Christine Sellers, Shanye Jones, and Jaymi Elsas, Criminal Justice, Texas State University

Respondent: Dr. Catherine Hawkins, Department of Social Work, Texas State University

Chemistry/Engineering

Doublet Emitters Derived from Stable Carbenes for Potential OLED Applications
Gabrielle Harmon and Todd Hudnall, Chemistry, Texas State University

A Multi-Stage Stochastic Programming Approach for Prepositioning of Relief Supplies
Oluwasegun Olasewaju, Shao-long Hu, and Dong Zhiqiu, Engineering, Texas State University

Stochastic Models for Planning Distributed Wind Generation Based on Data Analytics
Temistope Runsewe, Clara Novoa, and Tonglan Jin, Engineering, Texas State University

Respondent: Dr. Reddy Venumbaka, Office of Research and Sponsored Programs, Texas State University

Exercise Science/Health Education

A Comparison of Whole Blood Viscosity and Hematocrit Levels between Yoga Practitioners and Sedentary Adults
James Shafqow, Takashi Tarumi, Mandep Dhindas, and Stacy D. Hunter, Exercise Science, Texas State University

Workplace Wellness – Evaluating Regional State Employee Health Promotion Program
Andrew Gonzalez, Health Education, Texas State University

Respondent: Dr. Karen Meaney, Department of Health and Human Performance, Texas State University

Geography

The Geomorphic Impact of Barn Swallow Nests in the Desert Environment of White Sands National Monument, New Mexico
Aidan K. McLendon, Geography, Texas State University

Open Source Data and Tools for Trail Analysis: Big Bend National Park
Dane Atkins, Geography, Texas State University

Community Geography in Action: An Example Partnership between Texas State University and People United for Sustainable Housing
Christina Lopez, John Ponstingel, and Daria Andrievskikh, Geography, Texas State University

Respondent: Dr. Russell Weaver, Department of Geography, Texas State University
Reception and Poster Session

Healthcare Administration

The Effect of Telemedicine Adoption in the Management of Alcohol Abuse, Addiction and Rehabilitation – A Systematic Review
Lorraine Lobo, Sabrina Oyibo, Ashdon Stoppelmoor, Jeress Watson, and C. Scott Kruse, Healthcare Administration, Texas State University

Utilizing Domestic and Sylvatic Hosts as Medical Informatics Sentinels to Track Chagas Disease in the Southern United States: A Systematic Review
Laavanya Krishnan, David Anthony Guerra, Raena Gelillo-Smith, Amber Vargas, and C. Scott Kruse, Healthcare Administration, Texas State University

An Association between Health Information Technology and Safer Prescribing in Long-Term Care: A Systematic Review
Rohan Syal, Cody Basch, Edward Chabarria, Lauren MacNeil, and C. Scott Kruse, Healthcare Administration, Texas State University

Health Information Technology and Big Data’s Contribution to Medical Outcomes
Krisie Blekley, Thomas Brown, Stephan Soma, Isha Smith, and C. Scott Kruse, Healthcare Administration, Texas State University

Respondent: Dr. Jose Betancourt, Department of Healthcare Administration, Texas State University

Healthcare Administration/Communication Disorders/Social Work

Use of Technology in the Detection of Alzheimer’s Disease: A Systematic Review
Britney Larson, Taylor Castillo, Roger Samson, and Reagan Wilkinson, Healthcare Administration, Texas State University

Defining the Barriers to the Use of mHealth in Improving the Preventative Health Outcomes in Developing Countries: Systematic Review
Melissa Susana Valdes Luna, Stephanie Ortiz, Nance D. Segovia, Inderdeep Kaur Bamrah, and C. Scott Kruse, Healthcare Administration, Texas State University

Managing Pain of Residents in Long-Term Care Facilities while Avoiding Opioid Dependency
Michael Mileski, Healthcare Administration, Texas State University; Edward Pando, Kristan Hernandez, and Marian Herrera, Long Term Care Administration, Texas State University; and Gabriela Simon, Communication Disorders, Texas State University

Positive Physical and Mental Outcomes for Residents in Nursing Homes Using Music: A Systematic Review
Michael Mileski, Healthcare Administration, Texas State University; Alison Kopecki, Industrial and Organizational Psychology, St. Mary’s University

Respondent: Dr. Zo Ramamonjiarivelo, Department of Healthcare Administration, Texas State University

Materials Science, Engineering, and Commercialization

Integration of Variable Microgrid Energy to Attain Carbon Neutral Manufacturing – A Machine Learning Approach
Fei Sun, Tongdan Jin, and Clara M Novoa, Materials Science, Engineering, and Commercialization, Texas State University

First Principle Polaron Modeling in Hybrid Perovskites Using the GGA+U Method
Eric Welsh, Materials Science, Engineering, and Commercialization, Texas State University; and Alex Zakhidov, Physics, Texas State University

Respondent: Dr. Gary Beall, Department of Chemistry & Biochemistry, Texas State University

Mathematics/Mathematics Education

The Impact of Perturbation on Multicollinearity Detection Measures
Ryan Zamora and Dr. Shuying Sun, Mathematics, Texas State University

Calculus Visualizations and Mental Imagery of Blind and Sighted Students
Nell Wackwitz, Mathematics Education, Texas State University

Respondent: Dr. Alex White, Department of Mathematics, Texas State University

Psychological Research

Cognitive Inflexibility in Orthorexia Nervosa is Domain Specific
Niki Hayauchi, Crystal D. Oberle, Shelby L. Lipschuetz, and Dalton L. Klare, Psychological Research, Texas State University

First Impressions Based on Clothing
Alyssa Kopecski, Psychological Research, Texas State University; and Cody Cox, Industrial and Organizational Psychology, St. Mary’s University

Respondent: Dr. William Kelemen, Department of Psychology, Texas State University

Physical Therapy/Therapeutic Recreation/Sociology

Prevalence of Urinary Incontinence and Perceived Impact on Athletic Performance in Female Collegiate Athletes
Sarah E. Conrado, Emily Flannery, Benni Salinas, and Deborah McDowell, Physical Therapy, Texas State University

Standardization of Mechanical Hippotherapy Riding Activity for Rehabilitation Settings
Treytje Lauter, Rikke Patrick, Jocelyn J. Smith, Denise Gobert, Justin Villarojo, Physical Therapy, Texas State University

Factors Influencing Speed of Collegiate Wheelchair Basketball Players
Jessica Garcia, Therapeutic Recreation, Texas State University

BRFSS 2015-2017: Exploring the Burden of Caring for Others
Teresa Vannoy, Sociology, Texas State University

Respondents: Dr. Junyoung Kim, Department of Health and Human Performance, and Dr. Maria Resendiz, Department of Communication Disorders, Texas State University
Panel 1: Engineering/Physics
LBJSC 3-6.1
Location-Based Modeling and Economic Analysis of Atmospheric Water Generator Systems
Faraz Moghimi, Engineering, Texas State University; Hamed Ghoddusi, Finance, Stevens Institute of Technology; and Bahram Asiabanpour, Engineering, Texas State University

Atmospheric Water Generation Optimization Using Computational Fluid Dynamics Analysis of a Thermoelectric Cooler Test Platform
Mark Summons and Bahram Asiabanpour, Engineering, Texas State University

Comparing of Travel Frequency Patterns of Public Bike Systems and Bike Sharing Systems Using Smart Card Data and Online Questionnaires
Lingyu Meng, Engineering, Texas State University; Zhiyuan Terry Liu, Transportation Engineering, Southeastern University; Zhijie Sasha Dong, Engineering, Texas State University

An Electrical Vehicle Charging Station Monitoring Embedded Design
Noushin Azami and Damian Valles, Engineering, Texas State University

Design and Implementation of Thermoacoustic Refrigerator Stack
Egla Ochoa-Madrid, Physics, Texas State University; Zaid Almusaied, Materials Science, Engineering, and Commercialization, Texas State University

Panel Chair: Dr. Vishu Viswanathan, Department of Engineering, Texas State University
Moderator: Dylan Douthitt, Mathematics, Graduate House Representative, Texas State University

Panel 2: Anthropology/Biology
LBJSC 3-7.1
Differentiating Human from Nonhuman Bone Using Drifting Osteons
Sophia Mavroudas, Applied Anthropology, Texas State University; Katherine McCallough, French, Anthropology Affiliate, New York University; and Victoria Dominguez, Lehman College, City University of New York

Two Highly Invasive Trematodes Introduced into Texas Spring-Fed Surface Waters: Distribution of the Parasites and Conservation Implications for Endangered Endemic Fishes
Allison Scott and David Huffman, Wildlife Ecology, Texas State University

Role of IRR5 - GTP Binding Proteins Interaction as a Regulator of Plant Cell Morphology
Idrees Ahmad and Elia Lopez, Biology, Texas State University

Panel Chair: Dr. Vishu Viswanathan, Department of Engineering, Texas State University
Panel Chair: Dr. Manish Kumar, Department of Biology, Texas State University
Panel 1: Mass Communication
LBJSC 3-5.1
The Framing of Occupy Wall Street by The New York Times and New York Post
Ryan Leach, Mass Communication, Texas State University
Case Study: “Oyu Tolgoi” The Largest Mining Project in Mongolia’s History from a Value Orientation Perspective
Uyanga Bazaa and Bolanle Olaniran, Media and Communication, Texas Tech University
Adapting to Change: How West Texas Farmers Utilize and Communicate about Technology
Kristina Janet, Media and Communication, Texas Tech University
Study of Effectiveness of “Fact Sheet” Information at National Alliance on Mental Illness
Jesse Starkey, Media and Communication, Texas Tech University
A Contemporary Approach to Leadership: Impact of Social Framework on Leadership Style
Samer Melhem and Derrick Holland, Media and Communication, Texas Tech University
Panel Chairs: Dr. Prisca Ngondo, School of Journalism & Mass Communication, Texas State University, and Dr. Eric Ramussen, College of Media and Communication, Texas Tech University
Moderator: Lorraine Lobo, Healthcare Administration, Graduate House Representative, Texas State University

Panel 2: Geography
LBJSC 3-6.1
Bobcat Clean Air Project
David Mills, Geography, Texas State University; Shadi Maleki and Niaz Morshed, Geographic Information Science, Texas State University
Examining the Roles and Spaces of Food Banks in the Greater Foodscape
Walter Frearson and Eric Sarmiento, Geography, Texas State University
Mapping Disease Transmission Risk of Nipah Virus in South and Southeast Asia
Mark Deka and Niaz Morshed, Geographic Information Science, Texas State University
Small Wind Turbine Site Selection at Texas State University. A GIS-Based Approach with Financial Analysis
Milad Mohammadalizadehkorde, Geographic Information Science, Texas State University
Panel Chair: Dr. Russell Weaver, Department of Geography, Texas State University
Moderator: Britney Larson, Healthcare Administration, Graduate House Representative, Texas State University

Panel 3: Literature/Music
LBJSC 3-7.1
Examining Variances in Mermaid Transformation Tales; Fouqué’s Undine, Andersen’s “The Little Mermaid,” and Miyazaki’s Ponyo
Brandy Clark, Literature, Texas State University

Panel 4: Psychological Research
LBJSC 3-9.1
Perfectionism: Is There a Cognitive Cost?
Anthony Robinson and Amitai Abramovitch, Psychological Research, Texas State University
Weight Stigma during Medical Visits Is Negatively Associated with Provider-Patient Relationship Factors
Morgan Snyder and Kelly Haskard-Zolnierk, Psychological Research, Texas State University
Meta-Analysis of Behavioral Activation for PTSD: Comparison of Effect Sizes by Treatment Type and Treatment Modality
Rachel Farley and Joe Etherton, Psychological Research, Texas State University
Young Children’s Willingness to Deceive Shows In-Group Bias Only in Specific Social Contexts
Callie De La Cerda and Katherine Warnell, Psychological Research, Texas State University
Panel Chair: Dr. Krista Howard, Department of Psychology, Texas State University
Moderator: Amarilis Castillo, Developmental Education, Graduate House Representative, Texas State University

Keynote Address and Awards Luncheon
12:30 – 1:45 p.m.
LBJ Student Center Ballroom

Concurrent Panel Sessions
10:45 a.m. – 12:15 p.m.

Wednesday, November 14
International Research Conference for Graduate Students

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

The International Research Conference: A 10-Year Retrospective
Brittany Davis
Student Development Specialist II
The Graduate College
Texas State University

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

Keynote Address: “Bending, Breaking, and Blending the Academy: Innovations in Teaching and Research”
Dr. Cindy Royal
Professor, School of Journalism and Mass Communication
Founding Director, Media Innovation Lab
Texas State University

Recognition of Top Student Papers
Panel 1: Mathematics Education/Public Administration/Higher Education Leadership/Criminal Justice

LBJSC 3-6.1

Teaching Statistics: A Comparison on Topics and Approaches Across Disciplines
Michael Abili and Layla Guyot, Mathematics Education, Texas State University

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

Mandatory Foreign Language Education among American Students: A Review of the Literature
Immanuel Zhen Miin Tan, Public Administration, Texas State University

Two-Year Institution and Community College Web Accessibility: Updating the Literature after the 2018 Section 508 Amendment
Ibrahim Bicak and Zachary W. Taylor, Higher Education Leadership, University of Texas at Austin

Factors that Influence Persistence Among Students of Color in K-16 STEM Education
Michael Paul Gutierrez Mannix, Criminal Justice, Texas State University; Shetay Ashford, Occupational Workforce Leadership Studies, Texas State University; Kristy Daniel and Dana Garcia, Biology, Texas State University; and Mairi Vannella, Communication Studies, Texas State University

Panel Chair: Dr. Alex White, Department of Mathematics, Texas State University
Moderator: Amarilis Castillo, Developmental Education, Graduate House Representative, Texas State University

Panel 2: Sociology

LBJSC 3-7.1

Kids in Cages or Kids at Camp? Analyzing the Media Spectacle of Family Separation at the Southern Border
Marianne Smith, Sociology, Texas State University

Cultural Dissonance in American Immigrant Children
Maria Tahir and Dezerae Reyes, Sociology, Texas State University

Out of the Closet and into the Gayborhood: The Cycle of Gaytrification
Joshua Warren, Sociology, Texas State University

A Few Good Men: A Comparison of Nonprofit Volunteer Recruitment Messages to Men
Laura Torres, Sociology, Texas State University

Panel Chair: Dr. Audwin Anderson, Department of Sociology, Texas State University
Moderator: Jenn Idema, Aquatic Resources, Graduate House Representative, Texas State University

Panel 3: Adult, Professional, and Community Education

LBJSC 3-5.1

Community Writing Centers and Antiracist Rhetoric
Lauren Chaney, Adult, Professional, and Community Education, Texas State University

The Role of Learning Disposition in Korean Adult Learners’ Foreign Language Anxiety: A Review of the Literature
Heriye Chong, Adult, Professional, and Community Education, Texas State University

Where to begin! Efforts to Create an Effective and Sustainable Volunteer Program
Brittany Davis and Amy Biedermann, Adult, Professional, and Community Education, Texas State University

Assisting Adults in Career Transition Utilizing Baxter-Magolda’s “Authoring Your Life” Concepts
Mason Murphy, Adult, Professional, and Community Education, Texas State University

Autoperception and External Perception through the Belbin Test and Johari Window: A Case Study
Humberto de Faria Santos, Adult, Professional, and Community Education, Texas State University; Marcelo Jasmim Meirino, and Sergio Luiz Braga Franca, Management Systems, Universidade Federal Fluminense

Panel Chair: Dr. Robert Reardon, Department of Counseling, Leadership, Adult Education & School Psychology, Texas State University
We want your feedback!

Please complete our short and anonymous survey to ensure we continue to provide a professional and enjoyable conference experience. Thank you!