

2ND
ANNUAL

SRSU
UNDERGRADUATE
AND GRADUATE

SYMPOSIUM



COME SUPPORT AND CHEER ON OUR
SRSU STUDENTS FROM ALL CAMPUSES
AS THEY PRESENT THEIR RESEARCH IN
PRESENTATIONS, PANELS, AND POSTERS!

KEYNOTE SPEAKER - DR. LOUIS HARVESON

2019

APRIL 22ND

NOON - 6:00 PM
KEYNOTE at 12:30 PM

ALPINE CAMPUS
UC ESPINO CENTER

SRSUSYMPOSIUM@SULROSS.EDU



SR | **SUL ROSS**
The FRONTIER University of Texas

STUDENT ABSTRACTS CAN BE FOUND
ON THE SRSU UNDERGRADUATE AND
GRADUATE SYMPOSIUM BLOG SITE AT:

[HTTPS://BLOGS.SULROSS.EDU/SYMPOSIUM/](https://blogs.sulross.edu/symposium/)



NOON - 12:30 PM

SYMPOSIUM POSTERS ON DISPLAY IN UC FOYER

12:30 - 12:40 PM

WELCOME AND KEYNOTE INTRODUCTION

DR. ROBERT KINUCAN

ASSOCIATE PROVOST FOR GRADUATE STUDIES & RESEARCH

12:40 - 1:00 PM

KEYNOTE SPEAKER

DR. LOUIS HARVESON

DAN ALLEN HUGHES, JR., ENDOWED DIRECTOR OF BRI AND
PROFESSOR OF WILDLIFE MANAGEMENT

1:15 - 1:50 PM

SYMPOSIUM STUDENT ORAL PRESENTATIONS

Espino A: CJ & Political Science
Moderator: Dr. Francine Richter

Marcus Rubio (Criminal Justice)
*"Contemporary Practices of the
Special Weapons and Tactics Unit"*
Faculty Mentor: Dr. Francine Richter

Megan Hussey (Political Science)
*"Naturalization: The Process
Unveiled"*
Faculty Mentor: Jessica Velasco

**Espino B: Wildlife Management &
Animal Science**
Moderator: Dr. Theron Francis

Howell Pugh (Wildlife Management)
*"Home Range of Translocated
Pronghorn in the Trans-Pecos"*
Faculty Mentor: Carlos E. Gonzalez

Justin Burt (Animal Science)
*"The Effects of a Saccharomyces
Cerevisiae Fermentation Product on
the Average Daily Gain, Digestibili-
ty, and Meat Quality of an Annual
Rye Grass Hay Based Finishing Diet
for Hair lambs in Feedlot"*
Faculty Mentor: Dr. Jamie Boyd

Espino C: Education
Moderator: Dr. Jeanne Qvarnstrom

Megan A. Miller (Education)
*"The Lack of Preparation in Classroom
Management"*
Faculty Mentor: Dr. Jeanne Qvarnstrom

Mary Powers (Education)
"Agents for Change in Education"
Faculty Mentor: Dr. Jeanne Qvarnstrom

**Espino D: Philosophy/Ethics &
Literary Criticism**
Moderator: Dr. Sarah Roche

Tyler Phillips (Philosophy/Ethics)
"The Virtue of Moderation"
Faculty Mentor: Benjamin Barrientes

Camryn Hardin (Literary Criticism)
*"The Unraveling of One Event in the
Eyes of Three in 'Victory Lap' by
George Saunders"*
Faculty Mentor: Dr. Francine Richter

UC Room 210: Poetic Form
Moderator: Dr. Nelson Sager

Anthony Quintana, Derek Rasor, Mabel
Garcia, Samuel Largent, Michelle Ramos &
Matt Berkshier (Creative Writing)
*"Poetic Form and Creativity, A Poetry
Reading"*
Faculty Mentor: Dr. Nelson Sager

Espino A: Psychology & Literacy**Moderator: Dr. Bibiana Gutierrez**

Amanda Rubio (Psychology)
"The Diagnosis and Treatment of Attention Deficit Hyperactivity Disorder"

Faculty Mentor: Dr. Francine Richter

Kaylee Plowman (Psychology)
"Art-Based Intervention Effects to Reduce Anxiety Levels"

Faculty Mentor: Dr. Bibiana Gutierrez

Mackenzie Attwood (Literacy)
"Expression of Student Perspectives through Makerspace"

Faculty Mentor: Dr. Jennifer Miller

Espino B: Geology & Animal Science**Moderator: Jesse Kelsch**

Joseph Parker (Geology)
"Structural Analysis and Synthesis of the Chisos Pen Area, Big Bend National Park: A Preliminary Report"

Faculty Mentor: Dr. Thomas Shiller

Corbin Carsrud (Geology)
"Patterns of Conglomerate Deposition Associated with the Solitario Dome, Presidio and Brewster County, Texas"

Faculty Mentor: Jesse Kelch

Justin Burt (Animal Science)
"The Effects of a Saccharomyces Cerevisiae Fermentation Product on the Digestibility of an Annual Rye Grass Hay Based Finishing Diet for Lambs"

Faculty Mentor: Dr. Jamie Boyd

Espino C: Wildlife Management**Moderator: Dr. Chris Herrera**

Erica I. Dunn (Wildlife Management)
"Mule Deer Feeder Visitation in Relation to Lunar Phases in Trans-Pecos, Texas"

Faculty Mentor: Dr. Louis Harveson

Trestan Bryant (Wildlife Management)
"Survival and Site Fidelity of Translocated Rio Grande Turkey"

Faculty Mentor: Dr. Ryan Luna

Espino D: Literary Criticism & American Literature**Moderator: Dr. Francine Richter**

Erin Bittner (Literary Criticism)
"Unreached Potential in 'Ranch Girl' by Maile Meloy"

Faculty Mentor: Dr. Francine Richter

Charles Brooks (Literary Criticism)
"The Trials of Nonconformist Fatherhood in 'You Were Here' by Cote Smith"

Faculty Mentor: Dr. Francine Richter

Michelle Ramos (American Literature)
"Tennessee Williams: A Herald of Decay within Establishment"

Faculty Mentor: Dr. Theron Francis

UC Room 210: Family Communication**Moderator: Dr. Joseph Velasco**

Chani Spear, Kasandra Cruz, Melissa Morales, Cicilie Falbo & Ashley Tandy (Family Communication)

"Family Communication: Literature Reviews"

Faculty Mentor: Dr. Joseph Velasco

Lorenzo Fowler & Bobby Campbell (Communication Studies)

"Solving Community Problems through Effective Communication"

Faculty Mentor: Dr. Joseph Velasco

Matthew Hewitt

"Preliminary Analysis of Kit Fox Occupancy in the Trans-Pecos, Texas"

Faculty Mentor: Dr. Patricia Harveson (Conservation Biology)

Alexander Martinez

"Estigmene Acraea Crossing Dunes with 'Island Hopping' Technique"

Faculty Mentor: Dr. Chris Ritzi (Biology)

Gabriel Villarreal

"A Survey of Teachers and Parents' Perceptions of Financial Literacy Courses in High School"

Faculty Mentor: Dr. Tiffany Culver (Educational Psychology)

Albany Aldape

"Perceptions of Zero Tolerance Programs in High School"

Faculty Mentor: Dr. Tiffany Culver (Educational Psychology)

Kimberly Luna

"Investigating College Students' Attitudes and Perceptions of Female Athletes"

Faculty Mentor: Dr. Alicia Trotman (Psychology)

Annie Lenoir

"Investigating Student's Skill Levels in Creativity and Innovation at a Higher Education Institution"

Faculty Mentor: Dr. Alicia Trotman (Psychology)

Jennifer Luna

"Exploring Body Modification in the College Atmosphere: Attitudes of Wearers and Perceivers"

Faculty Mentor: Dr. Alicia Trotman (Psychology)

Derek Rasor

"Investigating West Texas' Knowledge of Psychedelics, Life Satisfaction, and Their Search for Mystical Experiences"

Faculty Mentor: Dr. Alicia Trotman (Psychology)

Nichollette Riojas

"An Inquiry into College Students Using Prayer to Cope with Anxiety"

Faculty Mentor: Dr. Alicia Trotman (Psychology)

Jeremiah Boatright

"Examining the Relationship Between Autonomous Sensory Meridian Response (ASMR) and Trait Anxiety Among College Students"

Faculty Mentor: Dr. Alicia Trotman (Psychology)

Rebecca Esquivel

"Are you protected? Investigating Students' Attitudes and Awareness of STD's at a Rural University"

Faculty Mentor: Dr. Alicia Trotman (Psychology)

Jodeci Gonzales Hall

"Bringing to Light Past Sexual Experiences: Views of Partners in LGBTQ and Heterosexual Relationships"

Faculty Mentor: Dr. Alicia Trotman (Psychology)

Jaime Leija

"Examining the Relationship Effects of Shy and Non-Shy Gamers"

Faculty Mentor: Dr. Alicia Trotman (Psychology)

Anissa Garcia

"Comparison of Digestibility of Forages in Jersey Steers Supplemented with Saccharomyces Cerevisiae on a High and Low Quality Forage Diet"
Faculty Mentor: Dr. Jamie Boyd (Animal Science)

Noheli Gutierrez

"Effects of DigestaWell Fiber-Power on in Vitro Digestibility of Alfalfa and Coastal Bermudagrass Hay Fed to Horses"
Faculty Mentor: Dr. Jamie Boyd (Animal Science)

Katherine Haile

"Nutritional Differences Between the Genera Bouteloua and Aristida in the Marathon Basin of Texas"
Faculty Mentor: Thomas Janke (Range Management)

Jacob Locke

"Pronghorn Forage Production in Relation to Cattle Grazing Regimes in Trans-Pecos, Texas"
Faculty Mentor: Dr. Louis Harveson (Range and Wildlife Management)

Taylor Daily

"Comparison of Desert Bighorn Sheep Home Ranges Among Different Release Methods"
Faculty Mentor: Dr. Louis Harveson (Wildlife Management)

Peter Poulsen

"Recap of My Experiences While Helping with the Trans-Pecos Kit Fox Distribution Project, Texas"
Faculty Mentor: Thomas Janke (Wildlife Management)

Julie Schmidt

"Evaluation of a Technique to Eliminate Excessive Data in Camera Trap Surveys for Mesocarnivores in the Marfa Grasslands of Texas"
Faculty Mentor: Thomas Janke (Wildlife Management)

Maribel Glass

"Unraveling the Truth about Knotgrass at Bosque del Apache National Wildlife Refuge"
Faculty Mentor: Dr. Ryan O'Shaughnessy (Wildlife Management)

Fabiola Baeza

"Ecological Requirements for Two Grassland Obligate Birds in the Marfa Grassland, Texas"
Faculty Mentor: Dr. Mieke Titulaer (Wildlife Management)

Carolina Medina Nava

"Reseeding Techniques on the Chilicotal Soil, Chihuahuan Desert, Texas, After Treatment with Tebuthiuron"
Faculty Mentor: Dr. Bonnie Warnock (Range Restoration)

Yelixza Avila, Morgan Chandler

(UNCC) & Dr. Kiril A. Afonin (Faculty Mentor)
"Empirical Study to Assess Immunotoxicity of RNA Nanorings with Varied Functional Orientations"
Faculty Mentor: Dr. David Leaver (Chemistry)

Cody Putman

"A Review of Techniques for Archiving and Sharing Camera Trap Databases"
Faculty Mentor: Thomas Janke (Data Storage and Management)

**Espino A: Chemistry, Biochemistry,
Kinesiology & Human Performance**
Moderator: Dr. David Leaver

Luis Payan (Chemistry)
"The Design of Irreversible Inhibitors of Sterol C24-methyltransferase (24-SMT) as Potential Therapeutics to Treat Parasitic Protozoan Infections"
 Faculty Mentor: Dr. David Leaver

Leslie Gonzales (Biochemistry)
"Understanding the Fundamentals of CRISPR-Cas9"
 Faculty Mentor: Dr. David Leaver

Samantha Cardenas (Kinesiology & Human Performance)
"Early Prevention of Running Related Injury in College Student Athletes using Asymmetrical Gait Analysis"
 Faculty Mentor: Dr. Chris Herrera

Espino B: Animal Science, Wildlife Management & Biology
Moderator: Dr. Chris Ritzi

Brittany Perron (Animal Science)
"Evaluation and Characterization of Native Grasses of the Trans-Pecos Region of Texas as an Adequate Forage Source for Horses at Maintenance"
 Faculty Mentor: Dr. Jamie Boyd

Joshua Coward (Wildlife Management)
"Evaluation of Soil Factors and Changes in Plant Communities Resulting from Rooting Behavior of Invasive Wild Pigs on the Kerr Wildlife Management Area"
 Faculty Mentor: Dr. Ryan Luna

Lauren Garrett (Biology)
"Survey and Life History of Bee Fly Parasitoids (Diptera: Bombyliidae) of Hymenoptera within Brewster and Jeff Davis Counties of Texas"
 Faculty Mentor: Dr. Chris Ritzi

Espino C: Education, Early Literacy & American Literature
Moderator: Dr. Jennifer Miller

Asia Saucedo (Education)
"Mental Health in Secondary Education"
 Faculty Mentor: Dr. Jeanne Qvarnstrom

Megan A. Miller (Early Literacy)
"The Importance of Phonemic Blending and Segmenting"
 Faculty Mentor: Dr. Jennifer Miller

Naomi Presley (American Literature)
"'Rising or falling? Men or things?': World War I African American Poetry"
 Faculty Mentor: Dr. Sarah Roche

Espino D: Philosophy, Languages & Literature & Literary Criticism
Moderator: Benjamin Barrientes

Adrian Salmon (Philosophy/Ethics)
"Priests and Politicians are Splitting Us"
 Faculty Mentor: Benjamin Barrientes

Cambry Sheedy (English)
"Art Therapy in Philadelphia for Children Suffering from Learning Disabilities"
 Faculty Mentor: Dr. Francine Richter

Brandee Jones (Literary Criticism)
"Discovering an Authentic Nature Through 'Drinking Coffee Elsewhere' by ZZ Packer"
 Faculty Mentor: Dr. Francine Richter

UC Room 210: Philosophy & Sustainability
Moderator: Dr. Tiffany Culver

Nathan Gonzales & Gabriel Villarreal (Psychology)
"An Analysis of Family Educational Support and Socioeconomic Status"
 Faculty Mentor: Dr. Tiffany Culver

Betsy Evans, Liam Duggan, Cody Kalinowski & Sarah Adams (Sustainability)
"The SRSU Sustainability Survey: A Framework for Planning Sustainable Development on Campus"
 Faculty Mentor: Dr. Theron Francis

Espino A: Languages & Literature & Creative Writing**Moderator: Dr. Theron Francis**

Raleigh Darnell (Literature)
*"The Picturesque in Humboldt's
 Personal Narrative"*

Faculty Mentor: Dr. Theron Francis

Leatrice Ynostrosa (Creative Writing)
*"The Genesis of 'Waiting': Processes
 and the Creation of a Roman-a-Clef"*

Faculty Mentor: Dr. Laura Payne

Al'Tristen Licon (Literature)
*"The Challenges of Competition in
 'Cage Run'"*

Faculty Mentor: Dr. Francine Richter

Espino B: Choral Music, Philosophy & Wildlife Management**Moderator: Dr. Francine Richter**

Kaitlin Blalack (Choral Music)
*"Why Music Education Matters in
 Texas Public Middle Schools Today"*

Faculty Mentor: Dr. Francine Richter

Aaron De Leon (Philosophy/Ethics)
*"The Fool is the Precursor to the
 Savior"*

Faculty Mentor: Benjamin Barrientes

Alyssa Miranda (Wildlife Manage-
 ment)
*"The Devastating Result of Elephant
 Poaching in Africa"*

Faculty Mentor: Dr. Francine Richter

Espino C: Computer Science, Wildlife Management & Biochemistry**Moderator: Dr. Kennard Laviers**

Robert Rasor (Computer Science)
*"Chasing the Singularity: Relations
 Between Human Cognitive Behavior
 and Behavior Management Applica-
 tions"*

Faculty Mentor: Dr. Kennard Laviers

Espino C: Psychology, Wildlife Management & Biochemistry (continued)

Barbara Sugarman (Wildlife Manage-
 ment)
*"Evaluation of a Black-Tailed Prairie
 Dog Restoration via Translocation in the
 Trans-Pecos"*

Faculty Mentor: Dr. Bonnie Warnock

Jonathan Carrasco (Biochemistry)
*"How to Treat Chagas disease with
 14alpha-demethylase Inhibitors"*

Faculty Mentor: Dr. David Leaver

Espino D: Psychology & Wildlife Management**Moderator: Dr. Bibiana Gutierrez**

Kaylee Plowman & Nicholette Riojas
 (Psychology)
*"The Post-Traumatic Stress of Suicide
 Survivors"*

Faculty Mentor: Dr. Bibiana Gutierrez

Zoe Carroll (Wildlife Management)
*"Diet and Associations with Parasite
 Infestations of Scaled Quail in the
 Trans-Pecos Region of Texas"*

Faculty Mentor: Dr. Ryan Luna

UC Room 210: Agriculture Education & Wildlife Management**Moderator: Dr. Alicia Trotman**

Aspen Wash, Sarah James, Alejandra
 Camarillo & Kensley Rice (Agricultural
 Education)
*"Students' Perceptions and Knowledge of
 Genetically Modified Organisms"*

Faculty Mentor: Dr. Chris Estepp

Erica I. Dunn, Walter G. Flocke, Samuel
 Largent & Cody A. Putman (Wildlife
 Management)

*"Bait Preference of Raptor Species in
 Trans-Pecos, Texas"*

Faculty Mentor: Dr. Ryan Luna

2019

2ND ANNUAL SRSU UNDERGRADUATE & GRADUATE SYMPOSIUM

DR. LOUIS HARVESON

KEYNOTE SPEAKER



Dr. Louis A. Harveson is the founder and director of the Borderlands Research Institute and holds the Dan Allen Hughes, Jr., Endowed Directorship. In 2018, the Texas State University System Board of Regents announced the selection of Sul Ross' Dr. Harveson as a winner of the 2018 Regents' Professor Award, the System's highest faculty honor. This award was established to honor professors who make exemplary contributions to the educational community.

Since 1998, Dr. Harveson has served as a faculty member at Sul Ross State University in Alpine, Texas. His research has focused on the ecology and management of large mammals, upland gamebirds, and predators and covers the areas of the borderlands of Texas-Mexico, Gulf Coast Prairies, South Texas Brush Country, and the Trans-Pecos Mountains and Basins with a focus on conservation of natural resources on private lands.

Harveson received a B.S. in Wildlife Management from Texas Tech University, M.S. in Range and Wildlife Management from Texas A&M University-Kingsville, and Ph.D. in Wildlife Science from the Joint Ph. D. program at Texas A&M University-Kingsville and Texas A&M University.

Harveson serves on numerous regional and statewide conservation committees and presently serves as an officer for Texas Wildlife Association. He is a Certified Wildlife Biologist and an active member of The Wildlife Society at the national, state, and university level.

He and his wife, Dr. Patricia Moody Harveson, Sul Ross professor of natural resource management, have two children, Katie, a senior at Texas Tech, and Jake, a senior at Alpine High School.