It's our 10th year!

2019 Undergraduate Interdisciplinary Student Research Conference

April 24, 2019
Collin College
Plano Campus, Plano, TX
Welcome to the 10th Annual Undergraduate Interdisciplinary Student Research Conference!

It’s our 10th year celebrating undergraduate research! On behalf of the UISRC conference committee, we want to thank all the students, professors, and supporting friends and family members who have helped make our conference a success! To help us celebrate, take part in our collective art project folding paper airplanes and writing where you hope your research takes you in the next ten years. #CollinResearch

8:30-9:00 a.m.

Room C

- Good morning everyone! Please enjoy complimentary breakfast and coffee in Room C.

9:00-9:50 a.m.

Room A
Explorations in Art & Music

Marta Moore, Chair

- Matthew Tunstall, “The Influences, Artist Connections, and Artistic Style of Monet”
- Juliana Fort, “Printmaking Portfolio”
- Lu Li, “Life Purpose Research”
- Claudia Eismann, University of North Texas, “Taj Garden”

Room B
Creating Research Projects

Kimberly Gentry, Chair

- Syed Barber, “Discrimination Against Other Faiths”
- Rachel Evans, “Can Rock and Roll Be Used as a Memory Device?”
- India Simmons, Southern Methodist University, “Voices of SMU: An Oral History Project”
- Joseph Toth, University of North Texas, “The Sunny Side Up”
Room D
Higher Stakes, Higher Education: Exploring Issues in American Colleges and Universities

Lisa Kirby, Chair

- Corrini Appelgryn, “Realizing You Are Not a Loan.”
- Christine Kupovics, “The Barriers of Returning to School as an Adult.”

Room E
Breaking into the World of Writing: Tips from Emerging Authors and Editors

Scott Yarbrough and Sean Ferrier-Watson, Chairs

- Starlit Taie, Bridget Scott-Shupe, & Venus Alemanji

10:00-10:50 a.m.

Room A
Forbidden Knowledge: Literary Research and College Writing

Scott Cheney, Chair

- Caroline Ewing, "The Thousand and One Nights: A Change for Women"
- Cory Conway, "Hamlet’s Cluadius: Villain or Rival King?"
- Renee Schuette, "War and Peace in The Bhagavad Gita: Which is the True Winner?"
- Sahil Mirchandani, "Arabian Nights: For Entertainment or for Teaching?"

Room B
Topics in Public Policy

Tanya Sanchez and Leon Deutsch, Chairs

- Amanda Hahn, “The Horse Question”
- Shawn McDermott, “An Examination of the Anthropogenic and the Natural Causes and Effects of Climate Change and the Policy Affecting Global Climate Change”
- Mubashir Haroon, “Punitive and Therapeutic Approaches in Criminology & Penology”
- Anna Katz, University of North Texas, “Why Texas Urban Highways Should be Toll Roads”
Room D
Contemporary Policy and Culture

Lisa Roy Davis, Chair

- Alexandra Corrales, Texas A&M – Commerce, **TOP PAPER HONORABLE MENTION**, “Are Congressional Actions and Executive Cyber Policy Directives Successful in the Post 9/11 Era”
- Desereah Tolbert, Texas State University, “To Reform or Not to Reform: Cambodian Beliefs and Attitudes Toward Education Reform and Changes to Their National Grade 12 Examination”
- Kelsey McDermott, “Preventing Brutality By and Against Police”
- Alexander Ladd, “The State War on Cities”

Room E
Retaining Underrepresented Students in STEM: A Vertical Mentoring Approach to Undergraduate Research Experiences

Kristina Henry Collins, Texas State University, Chair

- Harkiran Kaur, Alyssa Parsons, Amber Nickerson, Texas State University, LBJ Institute for STEM Education & Research, College of Education, and College of Science & Engineering

Room C
POSTER SESSION

- Catherine Wicker, Texas State University, “The Islamic Religion and the Ties to Extremism within ISIS”
- Emily Cao, University of North Texas, “Synthesis, Stabilization, and Application of the Phosphors PtPOP and AuTPPTS”
- Emma Weisner, Tule University, “A Study of Insect Species Diversity and Abundance in Mazumbai Forest Reserve Versus Nearby Agricultural Areas”
- Gabriel Andrade, “Crickets and Insects: The Food of the Future”
- Waheed Abdullah, “Urea Concentrates in Intermittent Sediments”
- Rebecca Layton, “Americans in Sam Steele’s Forty Years in Canada”
- Matthew Carrell, “Purifying a Phage and Further Analysis of Phage Genome Restriction Digests”
- Zillah Estrada, “Arteriosclerosis, CAD and MI prevention”
- Amna Farrukh, Valerie Tovar, & Chrystina Weekes, “Terror Management Theory”
- Grace Abeldt, “Infection Control: A Hospital Acquired Infection Study”
- Fan Zhang, “Noninvasive Dynamic Imaging of Tumor Early Response to Nanoparticle-mediated Photothermal Therapy”
• Siboneth Trujillo, “Characterization of an Antibiotic-Producing Soil Bacterium Pseudomonas Plecoglossicida 5A7”
• Nazia Siddiqui, Jaspal Dhesi, Giang Nguyen, Marcus Shanks, Travis Buros, & Joshua Arduengo, Ph.D., “Academic Success: Intelligence Is Not Everything”
• Claudia Kwee, University of Texas at Dallas, “The Impact of Mentors on Student Productivity”
• Mina Kim, Texas A&M – Commerce, “Temperate Snakes”
• Andrew Nguyen, “The Burning Heart”
• Van T. Vo, “Square Analysis Method”
• Brianna Teafatiler, “Energy Drinks: A Deceptive and Deadly Product”
• Noah Nguyen, “The Common Variations of Dermatitis”
• Venus Alemanji, “Impulsivity and Multiplicity: The Link Between the Orbitofrontal Cortex and Dissociative Identity Disorder”
• Carlos Tamez, “The Impact of Child-Parent Relationships on Academics”
• Emily Kedslie, University of Texas at Dallas, “Literacy: The Unknown Epidemic”
• Meg Mobley & Amber Baxter, University of Tulsa, “More Than Emotion: How Music Affects the Autonomic Nervous System”
• Rebecca Layton, “Americans in Samuel Steele's Forty Years in Canada”
• Shaghayegh Khosravi, “Technical Innovations in the Veterinary World”
• Madison Saunders, “Space Race”
• Marie Levit, “Self Portrait in 3D”
• Cedrick Patton, “Self Portrait in 3D”
• Kaneisha Carroll, “Reclining Figure as Self Portrait”
• Kelvin Jones Ikems, “Self Portrait in 3D”
• Leo Diluzio, “Self Portrait Poster”

11:00-11:50 a.m.

Room A
Let’s Take it Outside: Proposing an Interdisciplinary Outdoor Classroom at Collin College

Jennifer O’Loughlin-Brooks, Chair

• Spencer Pikna, The University of Texas at Dallas, Suraya Motahary, Katie Webb, Melissa Dillow, & Elaina Eisenzopf, “Exploring the Relationship between Connectedness to Nature, Perceived Stress, and Interest in an Outdoor Classroom in Undergraduates”
• Matt Heideman, Jeremy Karstens, Orlando Garcia, & Shadrack Atudonyang, “Formulating a Rubric to Assess Optimal Locations for Constructing Outdoor Learning Spaces in Higher Education”
• Ki James, Mariana Cortinas, Ilya Movshits, Caleb Hale, & Kaitlyn Bonds, “Creating an Interdisciplinary Outdoor Classroom Architectural Design for Higher Education”
Room B
Diversifying Texas Art history: Gender, Race, and Representation

Liz Kim, Chair

- Haleigh Aguirre, Cynthia McKinney, Kieran Miranda, & Allyson Titus, Texas Woman’s University

Room D
New and Improved! Rhetoric Meets Modern Advertising

Cheryl Clark, Chair

- Ryan Howard, "Beauty Standards,"
- Bailey Fulton, "Beauty in the Eye of the Beholder—of Ads"
- Kyle Shepherd, "The Maidenform Woman,"
- Evan Ballew, "The Difference in Baseball Cleat Advertising in the 2000's."
- Michael Garrett, "Show, Or Tell?"

Room E
Beam Us Up: Physics

Susmita Jyotishmati, Chair

- Garrett Faber, Texas State University, “An Optimal Solver for Higher Order Finite Element Approximation of the Poisson Equation with Pure Neumann Boundary Condition”
- August Sangalli, University of North Texas, “Shortest Distance on Tetrahedra and Cubes”
- Chris Howard, Blake Hammands, & Gerard Munyazikwiye, University of North Texas, “Photolithography: The Process of Curing Resists using an Ion Beam”
- Christopher Malhas, “Cepheid Variable Stars”

Where will your research take you in 10 years? Fold a paper airplane and tell the world!

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11:55 a.m. - 12:50 p.m.

**Room C**

**Lunch and Keynote Speaker**

**11:55 a.m.** Lunch is served in the conference hallway. Please make your way into Conference Room C for Keynote program.

**12:10 p.m.** Welcome, Dr. H. Neil Matkin, Collin College District President

**12:15 p.m.** 2019 UISRC Top Paper Winners and Scholarships, Jenny Warren

**12:30 - 12:55** Julia Jalowiec, Keynote 2019,

Julia Jalowiec is a multidisciplinary artist based out of Dallas, TX. She currently works at Southern Methodist University in the Division of Art. Julia began her education at Collin College, and later earned her BFA degree from Southern Methodist University where she graduated with honors.

Julia was an Engaged Learning Fellow, one of SMU’s highest honors. As a fellow, she traveled to France where she furthered her research in art and its ability to heal. Her research was published in *Kairos*, a journal for SMU’s Honors Research Association. Her art has been shown at SITE131, the Amarillo Museum of Art, and she was chosen by Contemporary Art Dealers of Dallas (CADD) as part of the New Texas Talent 2018. **We are so pleased to welcome back Julia to Collin College!**

Selected works by Julia: “Felix,” Cast Iron; “Tuesday, Oil; “Fire Extinguisher,” Ceramic
Musical Performance by OneSound
Kathy Morgan, Director

- Samantha Amazon, Jeremy Brown, Gabbie Cortez, Marlei Dismuke, Kathy Hererra, Aaron Laddusaw, Jaiden Moffitt, Nicole Osawey, Tristyn Purcell, Fernanda Trejo, and Carmen Witwer

OneSound is Collin College’s premiere pop acaPella group. The group is audition only and is an ensemble class offered through the music department. Both music majors and non-majors are able to be in the group. OneSound has competed for the past three years in the International Competition of Collegiate Acapella (ICCA) and most recently got 3rd place at quarterfinals and was able to travel to Phoenix for the Southwest Semifinals placing in the middle of the pack of the other 10 universities. For more information on booking a group or how to be a music major, contact her at kmorgan@collin.edu.
1:00-2:15 p.m.

Room A
Two Literary Themes Explored: Genocide and the Human Condition & Women Writing Women

Ashley Bender, Texas Woman’s University, Chair

- Hannah Diaz, Texas Woman’s University, “The Avoidance of Intimacy in Jonathan Safran Foer’s Everything Is Illuminated"
- Shannon Simmons, Texas Woman’s University, “The German Mujahid: Exploring Identity Formation through Inherited Memory”
- A.J. Dvorak, Texas Woman’s University, "Human Monstrosity in Boubacar Boris Diop’s Murambi, The Book of Bones"
- Kira Cheek, Texas Woman’s University, “Financial Expenditure as Social Role Playing in Elizabeth Griffith’s The Times"
- Kira Cheek, Texas Woman’s University, “The Usage of Mad in Elie Wiesel’s Night”
- Elizabeth Hancock, Texas Woman’s University, “The Looking Glass Self: Vanity Sets, Dressing Scenes, and the Performance of Identity”
- Justin Nathan, Texas Woman’s University, “What Happened to the Powerful Woman: An Analysis of Aphra Behn’s The Rover”

Room B
Top Papers 2019

Michael Schueth, Chair

- Salome Nzenalu Nnabuife, “Loving Green Eyes: The Experience and Expression of Jealousy in Romantic Relationships”
- Marie Peteuil, "The Bhagavad Gita: Lost in Translation"
- Spencer Pikna, The University of Texas at Dallas, Suraya Motahary, Katie Webb, Melissa Dillow, & Elaina Eisenzopf, “Exploring the Relationship between Connectedness to Nature, Perceived Stress, and Interest in an Outdoor Classroom in Undergraduates”
- Misty Wade, “Can you Blame Him? A Successful First Year in a Blended Family”
- Anne DeLong, University of Oklahoma, “Caught Between Cultures: Alsatian Autonomy amidst French and German Tensions, 1871-1939”
Room D
Health & Medicine

Linda Muysson, Chair

- Sarah Samuel, University of Texas at Dallas, “Analysis of Healthcare Infrastructure in the Philippines”
- Renata Domagalas, “Weak Central Coherence in Autism: Predictor of Poorer Susceptibility to Inattentional Blindness?”
- Samar Rawas, “Homelessness and H.I.V. Transmission”
- Faith Sawyer, Dallas Baptist University, “Methicillin-Resistant Staphylococcus Aureus: The Missing Link”
- Aisha Belgore, University of Texas at Dallas, “The Ebola Virus: What We Know, What We Don’t Know and Why We Don’t Know”

Room E
Looting and Atrocities during the Push East: Operation Barbarossa and The Holocaust

Deborah Pfister, University of Texas at Dallas, Chair

- Jennifer Armstrong, University of Texas at Dallas, “Murder at Drobitsky Yar”
- Hope Brown, University of Texas at Dallas, “Maria Altmann: Changing the Law for Looted Art Restitution in Austria”
- Brandie Buford, University of Texas at Dallas, “The Concept of Aryanization”
- Stevesha Evans, University of Texas at Dallas, “Stolen Art: A Look into the Looted Collections of Lilly and Claude Cassirer”
- Lucas Helton, University of Texas at Dallas, “Aryanization: How Nazi Law eliminated Jewish identity from Hitler’s Germany”
- Ethan Meeks, University of Texas at Dallas, “Operation Barbarossa: The Critical Battles”
- Andrew Smith, University of Texas at Dallas, “The Impact of Slovakian-Jewish Deportations”
- Alexandra Whitfield, University of Texas at Dallas, “Jewish Ghettos: A Ruthless Step on the Path to the Final Solution”

Room BB 231
Literature: Images, Themes, and Society

Sean Ferrier-Watson, Chair

- Venus Alemanji, “This War Na Enemy: Ken Saro-Wiwa’s Illuminations on The Suffering of Everyday Nigerians Engendered by The Biafran War”
- Amanda Smiley, Texas Christian University, “The Whaleman’s Sermon: The Whale and the Harpoon as Symbols of Christianity as Represented in Moby-Dick”
• **Kaitlyn Brown**, University of North Texas, “Postmodernism Penned in the Pages of *White Noise* and *The Road***

• **Isabella Nucci**, Texas Christian University, “Female Expressions of Grief and Humoral Theory in Shakespeare”

• **Patrick Mao**, “Stories of Strife and Struggle in Zakes Mda’s *Ways of Dying***

• **Jordan Abualjazar**, University of North Texas, “Leave It to Howl: How the Roles of Daughters, Wives, and Mothers in Howl’s Moving Castle Reflect the Problematic Dependency Placed on Women Within the Nuclear Family Model”

• **Nagin Kuraishi**, “Serial Homicide in *The Bottoms***

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**2:30-3:45 p.m.**

**Room A**

**The Effects of Media on Society**

*Lisa Lazzi, Chair*

• **Maria Lawson**, “Media’s Impact on Child Development”

• **Aurelio Bustos**, “Gridiron Gates”: Hollywood’s Portrayal of Football in Movies”

• **Stephen Hardy Delaney**, “The Effects of Social Media on Sports”

• **Danya Al-Rufaye**, “How TV Shows Affect Us”

• **Allison Clark**, “The Impact of Music Media on Deaf Culture”

• **Ben Groves**, “The Effect of Media on the Understanding of Anti-Social Personality Disorder”

**Room B**

**Explorations in New and Traditional Media**

*Kay L. Colley, Texas Wesleyan University, Chair*

• **Jennifer Gibbs**, “I’d Like to Buy an A: An Analysis of the Enduring Popularity of *Wheel of Fortune***

• **Amanda Louis Roach**, Texas Wesleyan University, “How Does the Telling of One News Story Change Around the World?”

• **Kaylee Conrad & Letah Lunderg**, Texas Wesleyan University, “Violence on Social Media: A Study of the Desensitization Theory”

• **Douglas Laman**, University of Texas at Dallas, “We're Here, We're Queer, Get Used to Us in Movies: The History of LGBTQA+ Representation in Cinema”
Room D
Critique of 8 Films

*Deborah Ruiz-Esparza and Artuo Ruiz-Esparza, Chairs*

- Michael Landes, Carolina Ribas, Jorge Ortiz, Cooper Goldstein, “Citizen Kane, Singin’ in the Rain, The Godfather and Good Night and Good Luck.”
- Jacob Johnson, Mikaela Free, Jalen Marrero, Mason Salinas, “Casablanca, Star Wars: A New Hope, Do the Right Thing, and Saving Private Ryan”

Room E
Exploring Two Literary Themes:
Re-envisioning the Past and Literary Representations of Racial Tensions

*Gretchen Busl, Texas Woman’s University, Chair*

- Scarlett Brou, Texas Woman’s University, “Reductive Metaphor as Violation in the Poetry of Louise Glück”
- Sarah Smith, Texas Woman’s University, “Monsters in the Woods, Monsters under the Floorboards: M. Night Shyamalan’s The Village as American Gothic Literature”
- Abigail Beard, Texas Woman’s University, “Medieval to Modern: Intertextuality in Beowulf and Tolkien’s The Hobbit”
- Tatyana Bryant, Texas Woman’s University, “Interpreting ‘Juxtaposing of the Black Boy and the Bullet’ through Adaptation”
- Plamedie Ifasso, Texas Woman’s University, “Exploring the White Voice in ‘Night, Death, Mississippi’ and ‘Middle Passage’ by Robert Hayden”
- Ch’nell Amos, Texas Woman’s University, “I Am Not My Hair...or Am I?: Racism and Nnedi Okorafor’s Binti”

Conference Room C
Roundtable: The Representation of Working-Class Immigrant Women in Historical Novels

*Dulce de Castro, Chair*

- Kristen Croan, Hannah Faulkner, Sarah John, Brandon Nafikov, Kathryn Roberts, & Ray Rockhill
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