2016 Undergraduate Interdisciplinary Student Research Conference

April 13 & 14
Spring Creek Campus
Collin College
Wednesday

On behalf of Collin College, welcome! We are celebrating our 7th year supporting undergraduate research. We feel strongly about the value of the work students are completing in community colleges and universities alike.

Thanks for attending!

8:30 – 9:00 a.m.

Good morning! Help yourself to breakfast, Conference Room C

Sessions: 9:00 – 9:50 a.m.

Conference Room A
Gun Control
Kay Mizell, Chair

• Trace Hughes, Nawal Ulhaq, Hannah Holland, Garron Weeks

Conference Room B
Productive Frustration: Twentieth-Century Experimental Literature: An Honors English Presentation
Scott Cheney, Chair

• Brittany Ginn, Martha Karugo, Jessica Bridges, Wilinia Hamilton, Flint Willingham

Conference Room D
Reevaluating Children’s Literature: From Picture Books to *Harry Potter*
Sean Ferrier-Watson, Chair

• Linda E. Carvajal, Steven Lott, Bojan Radulovic, Monique Arissa A. Esquillo

Conference Room E
Reading Globally, Writing Locally: Overcoming Cultural Differences
Marta Moore, Chair

• Briana Bonilla, Randa Pearson, Dorothy Jackson, Jessica Alaniz, Steven Halliday, Maryan Cabrera
Sessions: 10:00 – 10:50 a.m.

Conference Room A
Amy Schumer Watching You: An Honors Communication Studies Presentation (Advisory: Adult material)

Jenny Warren, Chair

- Svetlana Lazutkin, Emmanuel Lindstroem-Eriksson, Jordan Ramsom, Ashley Roberts, Chisom Ogoke

Conference Room B
Education Reform in America

Kay Mizell, Chair

- Melissa Coronado, Mischelle Slaton, Hongri Zhang, Anran Li

Conference Room D
Process and Product: What It Takes to Make an Artist

Jennifer Seibert, Chair

- Julia Atkins, Austin Baur, Carol Cocking, Debbie Cole, Kaleigh Doyle, Crystal Gonzalez, Joshua Jalowiec, Robert (Trace) McCaslin, Kelly Perez, Erica Shea, Dannah Walter

Conference Room E
Social Issues: ADHD Meds, Organ Donation, Reproductive Inequality, Physician-Assisted Death, & Officer Irresponsibility

Linda Muysson, Chair

- Brynn Martin, “An Epidemic of Competitive Generation”
- Matthew Pratt, “Reproductive Inequality”
- Tracey Kennedy, “Wake Up, America: It is Time to Save Thousands of Lives”
- Conner Nelson, “Officer Irresponsibility: How Can it Come to a Stop?”

Classroom BB-118
The Human Body: Synesthesia, Allergens, and Antibodies

Kerry Byrnes-Loinette, Chair

- Xiaoling (Judy) Chen, “A Call for Standards and Consistency in Allergy Tests”
- Sahil Noorani (University of Texas – Dallas), “Cost-Effective Strategy for Large Scale Preparations of SR-B1 Antibody”
- Victoria Lambo & Dai Nguyen, “Synesthesia: A Biological and Cognitive Analysis”
- Zainab Halder, “The Effects of Sugar on the Brain: Addiction”
Sessions: 11:00 – 11:50 a.m.

**Conference Room A**
Revisiting Fairy Worlds: History, Magic, Controversy, & Context within Fairytale Traditions
*Sean Ferrier-Watson, Chair*

- Timothy Shyu, Elena R. Bianco, Nathaniel Jensen

**Conference Room B**
Societal Health Issues
*Micheal Schueth, Chair*

- Gary Stone, “Efforts to Improve Strategies for the Prevention of Ventilator-Assisted Pneumonia”
- Dai Nguyen, “Analysis of Lead in Tap Water using Voltammetry”
- Elizabeth Fetherman (University of North Texas), “Quantifying Mild Blast-induced Traumatic Brain Injury (mTBI) through Acoustic Analysis”

**Classroom BB-118**
Philosophy, Metaphysics, and Lucidity
*Carl Hasler, Chair*

- Anna N. Cavnar, "Lucid Dreaming as a Solution for Overcoming Nightmares and Fears"
- David Barry, "Truth, a Word in Context"

**Conference Room D**
Fracking, Playing, Modifying, and Identifying: Modern Problems in a Traditional World
*Susan Grimland, Chair*

- Madeline Keck, “Traditional Play in the Hurried Child”
- Deniz Soysalan, “Dreaming About Reality in James Joyce’s ‘Araby’”
- Ekaterina Bryniarski, “GMF: Panacea or Cure?”

**Conference Room E**
Human Rights
*Whitney Pisani, Chair*

- Miatta Albertha Jackson, "Migrant Labor and the US Economy"
- Michael G. Knox, "The Lost Cause: Fact, Heroic Legend, Myth, or Southern Propaganda?"
- Zoe Astra, "The Panic in Texas: Anti-Transgender Bathroom Bills"
- Genesis Canales, "Sex Trafficking"
Sessions: 11:55 a.m. – 12:15 p.m.

Lunch and Keynote Speaker

- FREE LUNCH: pasta bar lunch served in Conference Center hallway.
- Please make your way into Conference Room C to dine.

Session: 12:15 – 12:55 p.m.
Conference Room C

Welcome, delivered by Collin College District President, Dr. Neil Matkin

Top Paper awards & scholarships, presented by UISR Conference Coordinator, Jenny Warren

Jason Wang, MBA & CEO

Early in life, Jason faced great adversity and hardship. To escape, he turned to a life of hustling, gambling, and eventually joined a gang. At the age of 15, Jason was incarcerated and earned a 12 year sentence, three of which he spent within a juvenile prison. It was here that Jason finally committed to turning his life around.

Since being released from prison, Jason attended Collin College (2008-2010) and graduated from UT Dallas with a double masters (MBA, International Business), has raised over a quarter million dollars in private funding for non-profits, serves on the board of directors for TCJC, is featured in the hit documentary, Chasing Bonnie and Clyde, and is the CEO and Founder of Byte Size Moments, a company specializing in hand delivering gifts and capturing the reaction (featured on MSNBC)!

Jason is passionate about entrepreneurship and creating positive change in the lives of formerly incarcerated individuals.
Sessions: 1:00 – 2:15 p.m.

**Conference Room A**
“Fool me Once…”
*Rebecca Harris, Chair*

- Kat Wilds, Rachel Taylor, Allison Smith, Josh Magnum, Hannah Campbell, Claire Moutcastle, April Maher

**Conference Room B**
RIP: Research in Progress
*Kerry Byrnes-Loinette, Chair*

- Austin Cooper, Seema Khowaja, Evelyn Pecikonis, Isaac Pinkus

**Conference Room D**
Let Me Entertain You: Challenging the Way Delicate Subjects are Thought of and Discussed through Stand-Up Comedy and Rhetoric. An Honors Communication Studies Presentation (Advisory: Adult material)
*Jenny Warren, Chair*

- Vince Venegoni, Paul Dumerer, Chalita Antommarchi, Harley Adolfo

**Conference Room E**
Top Paper Panel: The Best of the Best of the 2016 Conference
*Lisa Roy-Davis, Chair*

- Hannah Hightower (Collin College), “Education as the Solution for the Stigmatization of Mental Illness and the Mentally Ill”
- Casey Niblett (Southwestern), “Heidegger in the Inka Landscape: The Role of Dwelling and Ontology in Architecture”
- Ellen Beth Robinson (Texas State University), “A New Interpretation of the Matric Tree Theorem Using Weak Walk Contributors and Circle Activation”
- Jimmie Arbogast (Collin College), “Infectious Disease: A Pragmatic Approach to Solving our Contemporary Problem”

**Classroom BB-132**
Current Issues: Making Arguments about Race, Immigration, and Fracking
*Lisa Kirby, Chair*

- Mona Azzo, Kristen Baxter, Dolunay Kirmizi, Maksym Lysun
Sessions: 2:30 – 3:45 p.m.

Conference Room A
The Rhetoric of Disaster: Exploring Disasters and their Representation  
Lisa Kirby, Chair

- Hadar Bernstein, Priscilla Etim, Myriah Ford, Kristie Rogers

Conference Room B
Social Circumstances and Aesthetic Achievement: Contextual Studies in Richard Wright’s *Native Son*  
James Duban, Chair (University of North Texas, Undergraduate Research and National Scholarships Program)

- Stormie Garza (University of North Texas), “Perceptual Misadventure: Booming Rather than Enacting the Stereotype in Wright’s *Native Son* and Melville’s ‘Benito Cereno’”
- Nicholas Grotowski (University of North Texas), “Specious Dialectic in Wright’s *Native Son*”
- Rachel Martinez (University of North Texas), “The Cognitive Dissonance of Bigger Thomas”
- Yacine Ndiaye (University of North Texas), “Psychologically Rather than Physically Dismembered: Reconsideration of Self-Conception in *Native Son* and *Moby-Dick*”
- Molly Riddell (University of North Texas), “The Equal of Them: Violence and Equality in *Native Son* and ‘The Man Who Was Almost a Man’”
- Rachel Torres (University of North Texas), “Through His Eyes: Critical Analysis of Wright’s *Native Son* and Dostoyevsky’s *Crime and Punishment*”

Conference Room D
Damming Hetch Hetchy: The Politics and Controversy  
Thomas Pickens Jr., Chair

- Justin Holifield, Arcenia Johnson, Christopher Turner, Anatolie Chernyakhorsky

Conference Room E
Crossing the Line: A Rhetorical Analysis of Amy Schumer’s Roasts of Charlie Sheen and Roseanne Barr. An Honors Communication Studies Presentation (Advisory: Adult material)  
Jenny Warren, Chair

- Amanda Rozell, Brittany Shoemaker, Martha Ahmad, Michael Brady Rogers, Natalie Mayoral
Classroom BB-132
Health Issues: Bones and Teeth
Sammar Tekarli, Chair

- Felicia Hollander & Olive Njari, “Genetics and Epigenetics Linkage to Periodontal Disease”
- America Lince & Linda Tran, “Care of Celiac Patients in the Dental Office”
- Hope Edmiston & Jasmine Friend, “The Correlation of Sleep Disorders and Dental Anxiety with Oral Manifestations”

Classroom BB-133
The Positive and Negative Effects of Texting
Dulce De Castro, Chair

- Kimberly Cepeda, Devin Dupree, Anna Sulkova, Bryan Vasquez, Michael Vasquez, Duncan Weinbender
Thursday

8:00 – 8:30 a.m.

- *Good Morning! Help yourself to breakfast*, Conference Room C

Sessions: 8:30 – 9:45 a.m.

Conference Room A
Poster Session

- Anagha Krishnan (University of North Texas), “Novel Earth’s Field Magnetic Resonance Imaging of Copper Chloride”
- Emily Fuller (Texas Woman’s University), “A Review of Articulation Disorders”
- Mohamad Salahi (National Science Foundation via UNT labs), “Robotic Hand Actuated by Nylon Muscle”
- Amy Glazier (Austin College), “Towards Understanding the Be Phenomenon: Observations of Enigmatic, Massive Stars”
- Andrea Nguyen
- Seora Kim, “The Internet: Useful Learning Tool for Students”
- Jon Cortez, “The Community College Cadence: Marching to the Beat of a Different Drum”
- Rachel Hage, “Female Sexual Assault on College Campuses”
- Hajir Abdulrazak, “No Guns on Campus”
- Fajhr Qureshi, “Communication Barriers in Early Childhood”
- Frances E. G. Lewis, Tam G. Tran, Stanley C. Uche (University of Texas – Arlington), “Search for the Mechanism of Action of Agelas Conifer Using Bacterial Cytological Profiling”
- Alex N. Sanchez, “Twitch and the Growth of ESports”
- Ryan Albright, “Generation of Permutations and Combinations”
- Rebecca Moore, “Evaluating Scuti Variable Star V650 Tau: A Review of Current CCD Photometry Data Compared to Two Prior Studies”
- Ashleigh Flanagan, Kim Ho, Timothy Shyu, “Genetic Analysis of Antibiotic Resistant Bacteria in Local Soil Samples”
- David Emerline, “Reflection”
- Leslie Cortes, “Under Thread”
- Garrett Fox, “Garrett’s World”
- Stephen Iboudah, “See the Connection”
- Emma DeVine, “Assessing Genetic Variation in an Unusual Fern”
- Nora Abdulrahman, “Technology’s Impact on Cognitive Development of Young Children”
- Juhina Said Al Shamsi (University of North Texas), “Emergency Operations Centers: May 2015 Texas Flooding and Flooding in Oman Case Study”
Conference Room B
History is Everything: Blood, Guts, and Outer Space
Kyle Wilkison, Chair

• Ashley Roberts, “Folklore’s Dark Side: Murder Ballads, Warning Songs”
• Kori Jones, “From Butcher to Suture: A History of Surgical Procedures”
• Jarrett Graham, “From Enemies to Allies: Americans and Russians in Space”

Conference Room D
Mental Illness
Kay Mizell, Chair

• Matthew Uselton, McKenzie Parker

Conference Room E
Productive Frustration: Twentieth-Century Experimental Literature
Scott Cheney, Chair

• Emily Gomez, Kyoungju Park, Mathew Pratt, Jacob Peña

Sessions: 10:00 – 11:15 a.m.

Conference Room A
Intuition: Self-Defense against Manipulation and Deception
Rebecca Harris, Chair

• Garrett R. Zettel, Dani Mitchel, Nick Cutlip, Imani White, Kristen White, Madison Adkins

Conference Room B
Contemporary History: Singers, Dancers, Bankers, and Spies
Kyle Wilkison, Chair

• Vince Leuterio, “American Music is World Music”
• Marianne Lancy, “There are Spies Among Us”
• Arianna Haynes, “Lost Generation of Artists in the 1920’s”

Conference Room D
TCU: Departmental Honors Projects across the Disciplines
Wendy Williams, Chair (Texas Christian University, John V. Roach Honors College)

• Kira Markus, “Effectiveness of a Technology-Based Physical Activity Program in Adults with Intellectual Disabilities”
• Victoria (Tori) Cress, “Interact: A Theatre Experience for the Modern Audience”
• Maddie Bailey, “The Effectiveness of Mongolia’s ‘Third Neighbor Policy’: An Examination Using Trade Data”
Conference Room E
Multimodal Digital Projects in the World Literature Classroom
*Gretchen Busl, Chair (Texas Woman’s University)*

- Kira Cheek, Elizabeth Headrick, Bethany Powell, Nadiyah Suleiman, Megan Stacy (Texas Woman’s University)

Classroom BB-131
The Complexity of American Literature: Writers, Themes, and Ideas
*Lisa Kirby, Chair*

- Ashley Jackson, Lindsey Kline, Michelle Leddon

Session: 11:30 a.m. – 12:25 p.m.

Student Success Workshops

- **RESUME WRITING**, Conference Room A
- **APPLICATION WRITING**, Conference Room B
- **BUSINESS ETIQUETTE**, Conference Room C
- **INTERVIEWING TECHNIQUES**, Conference Room D
- **SOCIAL MEDIA PRESENCE**, Conference Room E

Workshops are 20-minutes in length

Students who complete two 20-minute workshops will receive a pizza lunch!

Sessions: 1:00 – 2:15 p.m.

Conference Room A
A “Classless” Society: Exploring Social Class in American Culture
*Lisa Kirby, Chair*

- Emily Cavanaugh, Aude Dikosso-Seme, Stephanie Rojas

Conference Room B
Adaptation and Appropriation in the Literature Classroom
*Ashley Bender, Chair (Texas Woman’s University)*

- Shellie Elliott, Saffyre Falkenberg, Jaclyn Kilman, Emily Nickles, Alexis Pereira, Morgan Staskus (Texas Woman’s University)
ALT Theatre B-148

_inmates_, a new play by Sam Kumpe  
_Brad Baker, Gail Cronauer, Chairs_

- Featuring: Nioaka Banuelos, Hayden Chauffe, Theresa Keller, Cameron Khoshgam, Sam Kumpe, Aaron Pareli, Shelby Weems

**Conference Room D**

Dropout Rates across the United States  
_Kay Mizell, Chair_

- Jose Trejo-Trejo, Jake Morales, Jai Neliamel

**Conference Room E**

Justice in America: Considerations on Prisons, Police, and Mental Health  
_Michael Schueth, Chair_

- Jessica Reedy, “The Destitute Mental Health Care Treatment of Prisoners in America’s Correction System”
- Regina Bianco, “Fixing the System: Training Reform for Police Officers and the Disabled”

**Sessions: 2:30 – 3:45 p.m.**

**Conference Room A**

History is Unafraid: Equality and Justice for All  
_Kyle Wilkison, Chair_

- Peter Whitfield, “Henry George and Catholicism: A Rocky Relationship”
- Brittany Shoemaker, “Breaking and Entering: Women in the American Courtroom”
- Jason Riley, “AIM for Equality: Americans and the American Indian Movement”
- Mphatso Queency Kachete, “Preachers on the Other Side: MLK’s Opponents”

**Conference Room B**

Mapping the Terrain of Struggle: Research Topics in Early American Literature  
_Lisa Roy-Davis, Chair_

- Courtney Rohde, “The Black Hoof: Sarah Kemble Knight and the Dehumanization of Enslaved People”
- Philip Galuban, “The Struggle for Black Women in the First Wave Feminist Movement”
- Marzia Mariwala, “Perception of Power and Ego: Edgar Allan Poe’s Obsessive Character in ‘The Telltale Heart’”
- Robin Thompson, “Analyzing ‘The Raven’ through the Lens of Elizabeth Kübler-Ross’s Stages of Grief”
- Griffin McMillin, “The Success and Failure of the Black Hawk Biography”
Conference Room D
Standing Against Atrocity: Resistance During the Holocaust
Debra Pfister, Chair (University of Texas at Dallas)

- Daniel Dunham (University of Texas at Dallas), “Amidah: Jewish Resistance to the Holocaust”
- Tazeen Rizvi (University of Texas at Dallas), “Rising Against Atrocity: Medicine during the Holocaust”
- Kaitlyn Boone (University of Texas at Dallas), “Jiri Weil’s Writings: Resistance in the Face of Jewish Persecution”

Conference Room E
Media & Literature: A Connection
Michael Baker, Chair

- Hildaluz A. Enriquez, “The Role Media Plays in War: Military Sources vs. Civilian Media”
- Alan Skelton (University of North Texas), “Topological Performance: Kader Attia’s Arab Spring, 2015”
- Meghan Kajihara (University of North Texas), “Star Trek and the Non-Binary Individual”

Classroom B-133
Applications for Math & Science

- Naomi Beltrand, “Radars in Stealth Technologies and the Algorithms that Bring them Success”
- Madeline Sensebe, “Exterminating the Trolls and Grievers: A Look into Harassment in Online Gaming and What can be Done About It”
- Yogesh Shah, “Cyber Crimes, their Effect, and our National Plans for Cybersecurity”
Notes
Thank You!

Dr. Neil Matkin, District President
Dr. Breda Kihl, Executive Vice President
Dr. Mary McRae, VP/Provost, SCC
Gary Hodge, Dean of Social & Behavioral Sciences
UISR Conference Planning Committee
Student Volunteers
Karen Knapp
Plant Operations
Media Services
AFV Catering
Lucy Zhu
Student Life
The SAFAC committee, for conference funding
Keynote speaker Jason Wang
Linda Kyprios
Amy Evans & The Foundation
Nick Young
The Printing Express
Karrie Newby and the Health Science Academy
The Collin College Board of Trustees
& the Leadership Team