

**SPECIAL THANKS
TO.....**



The UISR Conference planning committee

Dr. Cary Israel

Dean Mary McRae

Dean Marianne Layer

Key-Note Speaker Ray Wheatley

Collin College Plant Operations

Karen Knapp

Doris Litrell

Nick Young

Chartwell's Catering

The Collin College Board of Directors



April 25 & 26, 2013

Collin College

Spring Creek Campus

**Living Legends
Conference Center**

**Collin College 4th annual
Undergraduate
Interdisciplinary Student
Research Conference**

*Student Presenters without school affiliation shown hail from the host school,
Collin College.*

Thursday April 25, 2013

8:00—8:30

BREAKFAST, COFFEE, & MINGLE

Conf. Room C

8:30—9:45

PANEL

Chairs: Lari Ranta & Zach Shipley

Conf. Room A

“The Justice League: Looking at New Social Reform”

Student names needed here

PANEL

Chair: Whitney Pisani

Conf. Room B

“Service Learning”

Student names needed here

PANEL

Chair: Murray Fortner

Conf. Room D

“Has Modern Media Become a Weapon of Mass Distraction?”

Student names needed here

NOTES PAGE

Poster Session Participants

10:00—11:15 Thursday April 25, 2013

Main Hallway

Kimberly Mendoza, SMU. “Microwave-Assisted Hantzsch thiazole synthesis of *N*-Phenyl-4-6–thenones and thioureas

Grace Bussell, NCTC. “Uncovering Local Fashion Gems: An Historical Analysis of the Fashion Collection at TWU”

Sierra Thomans, NCTC. “Everyone Needs a Hero: A Comparative Analysis of Katniss Everdeen and Joan of Arc”

Cassey Lucio, NCTC. “An Analysis of Cultural Myths in Recent Breast Cancer Campaigns”

Nelso Doan, Melanie Hansford, Shana Hansford, Samantha Salomon, Lucelly Santillon, & Meredith Yeary, Collin College. “What Makes a Great Mathematician?”

Alex Flemming, Collin College. “Adult Deficit Hyperactivity Disorder”

Cristina Castillo, Tarrant County College. “Environmental Effects on Protozoans”

Ahmed Shahub, University of North Texas. “Synthesis and Characterization of d8 Transition Metal Complexes for Electronic Applications” **Thao Duong, University of Texas at Dallas.** Understanding and Improving the Eating habits of Low-Income Households”

Eugene D. Johnson, Collin College. “Starvation Induced l form E coli”

Larissa Cao, Collin College. “23andMe Personal Genetics Testing: Lung Cancer Case Study Examining the Strengths and Weaknesses of the Science behind the Service”

Natalie Klempel, Collin College. “A Model for Forensic Recovery of DNA from Heat-Traumatized Bone.

Alexandra Galindo, Tarrant County College. “Penicillium: Fungal Scavengers of Bacteria”

Thursday April 25, 2013

8:00—8:30

PANEL

Chair: Jason Bennett

Conf. Room E

“Gaming and Society: Consoles, MMOG, & Pokemon”

Kendyl Clark—A Brief History of Video Game Consoles.

NEED NAME: The Evolution of Massively Multiplayer Online Gaming.

J. Holder—Are Pokemon Slaves or Willing Companions? A Discussion on the Ethics of Pokemon Training.

NEED NAME: The Evolution of Gamins and how it Affected Society.

PANEL

Chair: Mike Schueth

Classroom B-128

“Title Needed Here”

Student names needed here

Thursday April 25, 2013

10:00—11:15

PANEL **Chair: Tracey Meyer** Conf. Room A

“Psychology”

Justin Hernandez—Substance Preferences Manifested by Psychological Anomalies.

Jacob Aaron—Religions Effect on Happiness & Life Satisfaction.

Courtland M. Carson—Psychological Influence of Religion on Life Satisfaction and Personality.

Brent Johnson—Social and Personal Outcomes based on Diet/Sexual Activity.

PANEL **Chairs: Lari Ranta & Zach Shipley** Conf. Room B

“The Justice League: Looking at New Social Reform”

Student names needed here

PANEL **Chair: Whitney Pisani** Conf. Room D

“Understanding the Media”

Student names needed here

Friday April 26, 2013

11:00—11:50

PANEL **Chair:** Conf. Room E

“Historical Accounts:

James M. Crawford—Revolution and Revelation: Theses on Marxism and Christianity.

Melanie Hansford—Progress Comes with Struggles.

Michelle Davis—From Tribulations to Triumph: Hardships of American Colonists.

Laramie R. Stroud (UT) - Inside Looking Out: The Relationship between the Johnson White House and the Civil Rights Movement.

Kaelyn Osborn & Casey Teel—A History of Prohibition: Crime, Money, & Desire.

PANEL **Chair:** Classroom BB-202

“Economy”

Peter Dyer, Cory Matthews, & Shaun Federespiel—Investigation of Proposed Media for Thermochemical Energy Storage Regarding Scalability.

Steven Maggard—The Journey of Troilus, the Son of Appollo.

Torree Hughes—US Today: Economic Dejection or Prosperity?

Jin-A-Choi (UT)—Morality Shifting in Brand Communities.

Amy Glazier—How to Hunt for Fossils on Mars.

Nuhamin Tolloss (Richland Community College)—The Benefit of Basic Business Education for Young Micro-Borrowers.

Friday April 26, 2013

11:00—11:50

PANEL **Chair: Scott Trent** Conf. Room A
“Service Learning: Exploring the Value of Art in Society”

Justin Ruhl, Naghmeh Yazdani, April Saucedo, Zoi Felts, Megan Freeman, Abdul Rifai, Les Standerfer, Nadir Al-Someri, Tiffany Nguyen, Richard Tran, Lynda Tull, Kunal Lalwani, Phuong Tran, Mike Petrovich, Chris Perry, Alexandra Martinez, Andrew Jones, Cody Braley, Grant Clothier, Jeremy Pawlinski, Trevor Brewer, Nainee Nardin, Lance Ferrantino, Chris Hermanns, Melissa Maranto

ROUNDTABLE **Chair: Lisa Kirby** Conf. Room B
“Literature”

Steven Martin, Emily Reed, Matthew Roye, Juliana Woods, & Nicholas York—The Way of the Dyslexic Mind: Educational Redemption through Empowerment & Perseverance in Philip Schultz’s *My Dyslexia*.

PANEL **Chair:** Conf. Room D
“Understanding Individual’s Communication”

Bethany Benson, Sheree Phelps, Andrew Flint, & Phadria Reed—Leadership Skills, Personalities, and Abilities.
Andrew Harper—Let’s Widen the Gap.
Trang Nguyen—Redefining the Adolescent Transition to Adulthood.
Jonathan Wood (Southwestern College, KS) - Pursuing Differences: Initiation of Intercultural Communication on a College Campus.

Thursday April 25, 2013

10:00—11:15

ROUNDTABLE **Chair: Dana Jensen** Conf. Room E
“Issues in Marriage”

Sarah Wheeler, Bryce Dixon, Kaci Wright, Nina Cook, & Joshua Cantrell—Forever Hold Your Peace: The Future (or Failure) of Marriage.

ROUNDTABLE **Chair: Dulce de Castro** Classroom B-128
“*My Dyslexia*: The Challenges and Advantages of the Dyslexic Brain ”

William Blich, Stephanie Cruz, Soraya Feizpour, Bethany Gleason, Alis Mehic, Miranda Leung, Madison Cantu, Shawnnice Davis, Aubry Fuller, Barbara Lewis, and Ingram Logan .

PANEL **Chair:** Classroom
“Science: From DNA to False Advertising”

Kara Kassees—Allopatric Speciation of *Archaeopteryx Lithographica* in the Solnhofen Basin.

Marcello Monterrosa (TWU) - DNA Fingerprinting of Mullberry Species using Amplified Fragment Length Polymorphisms.

Alexandria Davis (Tarrant County College) - Isolation and Identification of a Flagellate from Freshwater in Hurst, TX.

Brian Heine (UNT) - BF₂-chelated aza-dipyromethane-pyrene conjugates: Synthesis and nanotube-conjugate formations studies.

Danielle Aviles (UMH Baylor) - Nature vs. Nurture and the Emerging Role of Epigenetics.

Eunkyu Hahm—The Use of Polymerase Chain Reaction in Detecting False Specimen Advertisement from a Biological Supply Company.

POSTER SESSION (see pg. 9 for participant names) Main Hallway

Thursday April 25, 2013

11:30—12:00

LUNCH

Main Hallway / Conference Room C

12:00—12:45

Ray Wheatley, MS, CLP™

UT Southwestern Medical Center. Office for Technology Development.

Ray Wheatley is Director for Technology Transfer and Cooperative Research in the Office for Technology Development at the University of Texas Southwestern Medical Center at Dallas. He joined UT Southwestern in 1984 and has worked in technology transfer since 1990 where he and his staff are responsible for the management and licensing of UT Southwestern's intellectual property (patents, trade secrets and copyrights). Mr. Wheatley has negotiated hundreds of various intellectual property and license agreements, working with US and foreign companies including major pharmaceutical companies, venture capital firms, and leading medical device manufacturers in their efforts to license products such as pharmaceuticals, medical devices, software, and bioengineered research materials. He has been an invited speaker at many national and international meetings and has spoken on a variety of topics. Mr. Wheatley is active in both the Licensing Executives Society (LES) and the Association of University Technology Managers (AUTM) and served as a liaison between these two associations for 3 years. Mr. Wheatley has a BS degree in biochemistry from the University of Illinois and a MS degree in health care administration from Texas Woman's University. He is also a recipient of a Certified Licensing Professional credential.

Friday April 26, 2013

10:00—10:50

PANEL

Chair:

Conf. Room E

“Communication: Consciousness, Conformity, Literature, & Culture”

Alexandra Pace (UNT)—Imagination, Memory, and Perception: Threatening Consciousness.

Dallas Bond—The Minimization of Individualism by Conformity.

Jason Lam (UT)—The Story of an Hour.

Eric Schuppe (Austin College)—Biological Basis of Intercultural Communication and Cultural Adaptation.

PANEL

Chair: Dr. Collin Thomas

Classroom BB-202

“Endosymbiosis”

Gilbert K. D. Hu, Henry Tan, Alyssa Kastner, & Lindsay Baniewicz— A Sea Urchin Egg model for Studies of Endosymbiosis.

PANEL

Chair:

Conf. Room C

“Health Issues: Healthcare, Parkinson’s Sleep, & Visual Acuity”

Hannah Bethany Larsen—Healthcare in America.

Edward FitzRandolph (Texas A & M) - The Parkinson’s Correlation.

Danielle Stephens—Sleep Patterns.

Mitchel Cruz (UT Dallas) - The Relationship Between Visual Acuity and Fixation in Patients with AMD and STOD.

Friday April 26, 2013

10:00—10:50

PANEL **Chair: Jean-Marie Dauplaise** Conf. Room A

“*American History X: The End of a Legacy?*”

Marylinn Alvarez (UNT) - Pedagogically Sound: *American History X* in the College Classroom.

McKenzie Greene—Survival of the Fittest.

Stacy Maynard—Transformation in *American History X*.

Courtland Parker—For or Against Racism?

Jason Petrie—Racism X

Josh Zejdlik—The Question of Derek Vinyard’s Reformation.

PANEL **Chair: Scott Cheney** Conf. Room B

“Rhetoric & Research”

Hannah Smith, Catherine Craven, Blake Chernyha, & Angela Miller—Rhetoric & Research in First-Year Writing

PANEL **Chair: Lisa Kirby** Conf. Room D

“The Hide-Tide Twenties: The Party Decade that Overhauled Centuries of Tradition and Revolutionized Minds, Giving Life to a New, Modern America:”

Jennifer Buchan—Fitzgerald’s Modern Woman: Gender Contradictions in Three Literary Works Spanning a Decade.

Courtney Ginger—Understanding the 1920’2.

Maria Jose Padgett—The 1920’s Cultural Effects on Today’s Society. San-

deep Srinivasan—Analyzing Intimacy: An Investigation of Close Relationships in *The Great Gatsby*.

Notes Page

Thursday April 25, 2013

1:00—2:15

PANEL **Chair: Amy Trombley** Conf. Room A
“What can I do For my Community? Service Learning”

Student names needed here

PANEL **Chair:** Conf. Room B
“Top Paper: The Best of the Best”

Chris Elrod (UTD) - Lack of Support for Inferred Relationships between Osteological Measures and Myology.

Aro Han (UT) - North Korean Refugee Status in South Korea and China.

Gilbert K. D. Hu—Evolution of the Evolutions Theory and the Chicken-and-Egg Problem.

Farhana Haque (UT) - Constructing Growth Curves in *N. spaerica* for Application in Secondary Metabolite Isolation.

William D. Elliott—The Efficacy of Black-Scholes Formula in Options Trading under Varying Conditions and Preferences as Simulated with Agent-Based Modeling.

Caitlin A. Graves (Austin College) - Reinventing the Wheel: Women’s Cars in the 1950’5.

PANEL **Chair: Tracey Meyer** Conf. Room D
“Psychology”

Julie Herhume—Does One’s Body Image affect Self-Esteem?

Tina Dreger—The Effect of Birth Order on the Future Accomplishments.

Sunhyeong Lee—The Relationship between a Couple’s Personality Resemblance and Marriage Satisfaction.

Reed Clarjson Hayes—The Synthetic Revolution— Analysis of the Impact of Computer Mediated Communication on Relationships in Modern Society. San-

deep Srinivasan— All You Need is Love: The Relationship between Intimacy, Love, Happiness, & Life Satisfaction.

Friday April 26, 2013

9:00—9:50

PANEL **Chair:** Conf. Room E
“Determining character constructions in *The Avengers Movie*”

Glory Barganier, Nina Cook, Shayan Parsaei, Donna Smith, & Amber Milligan—*The Avengers: A Rhetorical Analysis of Super Hero Character Construction.*

PANEL **Chair:** Classroom BB-202
“Food: Health, Advertising, Obesity, and Oral Histories”

Allison Torres—Turkey Burgers vs. Beef Burgers.

David Dillard—America’s Obesity: Lack of Funding for School Food and the Need and Benefits of Reform.

Shannon Beams-Zundel—Hungry Memories: Food and the Formations of Memories.

Friday April 26, 2013

8:30—9:00

BREAKFAST AND MINGLE

Conf. Room C

9:00—9:50

PANEL **Chairs: Dr. Collin Thomas & Greg Sherman**

Conf. Room A

“Astrobiology”

Meghan Andrewarth, Aaron Blasband, Charlie hale, Taylor Haynes Stephen Lodge, & David Stelchek—Astrobiology and the Future of Life.

PANEL **Chair: Eric Carlson**

Conf. Room B

“Conveying Information: Research-Oriented Informative Speeches”

[Student names needed here](#)

PANEL **Chair: Scott Cheney**

Conf. Room D

“Rhetoric & Research”

Taylor Pasi, Jennifer Dreher, Megan Piehler, & Donna Dodd—Rhetoric & Research in First-Year Writing.

Thursday April 25, 2013

1:00—2:15

PANEL

Chair: Dr. Lisa Roy-Davis

Conf. Room E

“American Literature”

[Student names needed here](#)

PANEL

Chair: Chip Galloway

Classroom B-128

“Mathematics”

Zaid Alsarayji, Robin Bowers, Nina Cook, Nelson Doan, Merrily Guyer, Amy Hydrara, Alyssa Kastner, Erin Petriella, Michael Petrovich, & Samantha Salomon—What Makes a Great Mathematician?

PANEL

Chair: Dr. Jeanette Boylan

Classroom

“Biology”

Adam Abdelghaffour, Cassidy Langford, Cristian Pena, Lucas & Vincent— Determining Behavioral Patterns of Gray Fox (*Urocyon cinereoargenteus*) among Human Interaction.

Taylor Davis, Chris Houston, Yemurai Nhamoinesu, Dale Reid, & Devona Wilson—The Lunch of a Lemur.

Toni Adams, Alyssa Davila, Troy Sebo, & Leslie Tu—Coatimundi: What’s that Smell?
Christopher Boswell, Jackson Couzyne, Brett Chavez, & Zach Eberhart—Effects of Color on male green iguanas temperament and appetite during the reproductive season.

PERFORMANCE

Chair: Brad Baker

Classroom B-148

Steven Anderson, Jordan Barrett, Katie Boettcher, Emily Davenport, Anita Davis, Jennifer Dreher, Elizabeth Farrar, Steven Martin, Erina McClure, Devon Miller, Alle Mims, Rebekah Prim, Gibson Register, Angelique Robinson, Alyssa Salgueiro, Morgan Smith, Natalie Szczechowski, Juliette Talley, Kolby Tuck, Nicholas Ware, Brent Wenger, Alisha Williams—“Deus ex Machina”

Thursday April 25, 2013

2:30—3:45

PANEL **Chair:** Conf. Room A

“Media: Analyzing a Television Program”

Amy Hydera, Alpha Gower, Shannon Beams-Zundel, Bartley Johnson, Michael Hajoovsky, & David Sieg—*Revolution*: Finding Archetypes within a Contemporary Post-Apocalyptic TV show.

PANEL **Chair: Dr. Gottshall** Conf. Room B

“Social Issues”

Sabina Bawany (SFA) - Teaching Mathematics in Today’s Elementary Classrooms.

Carol Ann Duncan—Stop Bullying: Ways to Break the Silence.

Jammie Smith—A Documentary about Collin County Homelessness.

Philip Slay & Madeline Powell—The Benefits of Arts in Education.

Philip E. Noguere—Los Desastres de la Guerra.

Mary Sharkey & Keeley Norris—United We Stand, By Gun Control We are Divided.

PANEL **Chair: Michael Fairley** Conf. Room D

“Gender Differences in Romantic Relationships”

Loren Boles (Austin College) - Perception of Flirting between Men and Women.

Madeline Brinkley (Austin College) - Differences in Dating Advice for Gender-Type Magazines.

Hailey Hunter (Austin College) - Gender Roles in Romantic Relationships.

Natalie Helms (Austin College) - Blue and White Logo’ed Monster.

Thursday April 25, 2013

2:30—3:45

PANEL **Chair: Elvira White-Lewis** Conf. Room E

“Adolescent Suicide”

Kathryn Chapman & Kristen Stevens (Texas A & M Commerce) - Adolescent Suicide.

Wynter Miller (Texas A & M Commerce) - Prosecuting Juveniles as Adults: Reduction in Crime?

Jennifer Garrison (Texas A & M Commerce) - Disposing of our Children: Life without Parole.

Christi C. Summers (Texas A & M Commerce) - Juveniles: Scholl Rights.

ROUNDTABLE **Chair: Dr. Lisa Roy-Davis** Classroom B-128

“American Literature”

Student names needed here

PANEL **Chair:** Classroom

“Understanding Localities: Texas and Liberia”

Matthew Mentasana (Brookhaven) - Texas v. Johnson.

Kelly Harper—Who Let the Dogs Out? A Look at Texas Policies on Animal Welfare.

Armah D. Lansanah—Development Programs and Strategies in the Rebuilding Process of Liberia: Problems, Challenges, & Solutions.

Armah D. Lansanah— Political and Social Development as Key Factor for Nation Building in Liberia.