

University of Houston  Clear Lake

Program for the 2023
University of Houston-Clear Lake
Student Conference
for Research & Creative Arts
April 24th – April 29th

Monday, April 24th through Saturday, April 29th, 2023

College of Human Sciences and Humanities

All Week. Art Gallery, Bayou

Faculty Chair: Clay Leonard

Title: Art exhibits by students in the BFA Exhibition.

Student Participants:

Kimberly Barringer
Regan Brantley
Ryan Byrd
Karrie Clark
Akayle Day
Lauryn Fly
Frida Garcia
Cindy Gil
Courtlyn Grisham
Justin Hashaw
Madison Hebert
Nylya Jenkins
Eboni Jenkins
Michelle Landry
Noemi Mata
Lindsey Murphy
Adriana Rodriguez-Cabrera
Gabriel Sebesta
Ryan Smith
Kassidy Sparks
Madison Trembath
Yulia Trujillo-Rodriguez
Chris Martinez

Monday, April 24th, 2023

College of Human Sciences and Humanities

10:00 a.m. – 12:00 p.m. Bayou 2235

Faculty Chair: Everette Penn

Title: Teen and Police Service Academy Panel

Presenters: Silvia Morales, Alondra Ortiz, Zuhel Bocachica, Matthew Wilmaning

Monday, April 24th, 2023

College of Science and Engineering

1:00 p.m. – 3:50 p.m. Bayou 2235

Faculty Chair: Dr. Soma Datta

Title: Standardizing Medical Record Organization

Presenters: Lyra Battle, Isabella Hanks, Samuel Peebles

Title: Summit Sprint

Presenters: Cameron Jones, Jacob Gonzalez, Edgar Padilla-Estrada, Blair Taylor

Title: Evently

Presenters: Alexis Flores, Johnathon Torres, Rylan Turner, Ke Zhou

Title: Automatic Email Parser and Tagger

Presenters: Andrew Lee, Sara Landrum, Andrew Nguyen

Title: Movie Recommendation System

Presenters: Naga Lahari Mandava, Hruday Vommi, Aravind Badisa

Monday, April 24th, 2023

College of Science and Engineering

5:30 p.m. – 7:00 p.m. STEM 1203

Faculty Chair: Dr. Kazi Billah

Title: Design and Manufacturing of Carbon Fiber Reinforced Wallet

Presenters: Adelina Rodriguez, Christopher Garcia, Ricardo Arerchiga, Omar Tuebishat

Title: Design and Manufacturing of Foldable Chair

Presenters: Jaime Bentura, Arlan Catney, Ros'lynn Charles, Jessica Kunzat

Title: Design and Manufacturing of Scissor Lift

Presenters: George Janho, Brendan Corr, Neel Rathod, Roberto Penafiel

Title: The Design and Manufacturing of a Vertical Axis Windmill

Presenters: Mohamad Elkhader, Blake Ballard, Mitchell Brady, Reggie Martinez

Title: Design and Manufacturing of Magnetic Gears

Presenters: Kain Aguirre, Wendy Cardenas, Alexander Falks, Gerardo Lagunas

Monday, April 24th, 2023

College of Human Sciences and Humanities

7:00 p.m. – 8:30 p.m. Bayou 3607

Faculty Chair: Dr. Robert Bartsch

Title: Sleep Duration & Academic Achievement

Presenters: Nicolas Ochoa

Title: Self-Compassion and Perceived Stress

Presenters: Jillian Goldman

Title: Crime Fiction

Presenters: Amber Leland

Title: Examining how self-regulation affects relationship between stress and eating healthy

Presenters: Khairun Nisa Satani

Title: Factors relating to Degree Satisfaction in Graduate Psychology Students

Presenters: Chantelle Kean-Nichols

Title: The Relationship Between Neuroticism and Academic Achievement

Presenters: Claire Wolken

Title: Do stress levels as a college student moderate the relationship between happiness and pet ownership.

Presenters: Alliya Alaniz

Title: The relationship between online political engagement and political polarization

Presenters: Kelly Swanson

Title: Cognitive Dissonance in study habits and how this affects your confidence in your work.

Presenters: Aubry Dummer

Title: Aggressive Personality as a Predictor of Dangerous Driving Habits

Presenters: Emanuel Atwater

Title: Social media influence on perception of environmental safety

Presenters: Micheal Berry

Title: Eating Habits effect on mental health

Presenters: Danae Pena

Title: Connectedness to Nature & Pro-Environmental Behaviors

Presenters: Emily Johnson

Title: Ethnic Background and its relationship to emotional expression

Presenters: Fredi Rodriguez

Title: Exploration of The Relationship Between Social Media Usage and Depression

Presenters: Kolbey Henderson

Title: Video Games and Body Dysmorphia

Presenters: Rashelle Dann

Title: Cleanliness, Health and Conscientiousness

Presenters: Jaqueline Gomez

Title: Life's Choice: A look into the Correlation between Work and a Student's Success

Presenters: Bree Rose

Monday, April 24th, 2023

College of Human Sciences and Humanities

7:00 p.m. Pearland Academic Building Room 113

Faculty Chair: Lisa Sublett

Title: Motivation Contagion: How coworkers motivate one another

Presenters: Shifa Ali, Kamryn Green, Erin Konvalin, Kathy Ruiz

Title: Job Satisfaction of Educators in Houston, TX

Presenters: Lizzette Cepeda, Alicia Salazar, Daryl Holt, Luis De La Rosa

Title: The Moderating Role of Remote Work on the Relationship of Work-Life Balance and Job Satisfaction

Presenters: Jai Collier, Kha Nguyen, Kuei-Chun Huang, Tracy Brown

Title: Perceived Organizational Justice

Presenters: Alicea Leyinska Marie, Abdullah Aldosree, Patricia Jo Gutierrez

Title: Sense of belonging and Impostor Syndrome among College students

Presenters: Gozde Tura

Monday, April 24th, 2023

College of Human Sciences and Humanities

7:15 p.m. Bayou 1133

Faculty Chair: Christine Kovic

Title: Health and Human Rights

Presenters: Kayla Arjona, Cristal Cortez, Alisa Crosby, Lina Ellis, Ura Flores, Mokuia Makori, Jocelyn Smith, Yudith Salas

Tuesday, April 25th, 2023

College of Science and Engineering

1:00 p.m. – 3:50 p.m. Bayou 2235

Faculty Chair: Dr. Soma Datta

Title: Kaggle Challenge: Titanic - Machine Learning from Disaster

Presenters: Stephen Garza, Hari Chandana Polisetty

Tuesday, April 25th, 2023

College of Human Sciences and Humanities

Plenary Session

1:00 p.m. Forest Room

Faculty Chair: Dr. Giazú Enciso Domínguez

Title: Parenting while black: Analyzing the school to prison Pipeline

Presenters: Shay Charles

Title: Exploring contemporary women's definitions of violence

Presenters: Haley Briggs

Title: Transitioning from Society's Identity to our Own Identity

Presenters: Yvonne Russel

Title: Sense of belonging and Impostor Syndrome among College students

Presenters: Gozde Tura

Title: Attachment Style and its Influence on Sexual Communication among Hispanic/Latina mothers and daughters

Presenters: Frida Mora De Luna, Gabrielle Longo, Dr. Mary Short

Title: Communal Support Networks: An option to Transform a Sense of Belonging and Student Retention within Higher Education

Presenters: Maria Powell

Tuesday, April 25th, 2023

College of Education

1:00 p.m. Pearland 120

Faculty Chair: Dr. Neelofer Tajani

Title: From Seed to Sprout

Presenters: Cecilia Faulk-Gillis, Liv Niemeyer

Title: Rockin Rocks

Presenters: Abigail Hughes, Julie Pugh, Carolina Cuellar

Title: Soil Layers

Presenters: Shaylyn Dunlap, Alexa Garcia, Alyssa Moreno

Tuesday, April 25th, 2023

College of Human Sciences and Humanities

4:00 p.m. – 6:50 p.m. Bayou 1135

Faculty Chair: Dr. Dorothea Lerman

Title: Objective Measure of Social Validity for Interventions that Increase Praise During Instructional Time

Presenters: Alana Merritt

Title: Increasing Active Engagement in Virtual Workouts Among Adults with Developmental Disabilities

Presenters: Rebecca Brockman

Title: Training Behavior Analysis Graduate Students to Work with an Interpreter

Presenters: Danika Bosch-Greer, Morgan McCarville

Title: Conducting an Assessment and Intervention of Vocational Social Skills via Telehealth

Presenters: Clarissa Ruiz, Megan L. Dora, Sophia Som, Amanda Davis

Title: Evaluating the Effects of Contingency Statements on Responding in Functional Analysis Test Conditions

Presenters: Alison Argast, Dr. Jennifer Fritz, Victoria Fletcher

Title: Functional Analysis of Precursors to Aggression Exhibited by Cats During Human Petting

Presenters: Jennifer Nguyen, Jennifer Fritz, Victoria Fletcher, Amanda Davis, Abigail Konecki

Title: The Effect of Language Preference and Proficiency on Problem Behavior

Presenters: Jennifer Carrera, Jennifer N. Fritz, Victoria L. Fletcher, and Frances G. Feliciano

Title: Caregiver Mand Training via Manding with ABA Application

Presenters: Chloe Ledbetter, William K. Kwabla

Tuesday, April 25th, 2023

College of Education

4:00 p.m. – 6:50 p.m. Bayou 1130

Faculty Chair: Dr. Omah Williams - Duncan

Title: Bridging Theory and Practice Through Action Research and Social Constructivism: Devising Innovative Workshop for Doctoral Students' Understanding of Theoretical Framework and Literature Review

Presenters: Carole Flad

Title: Potentially Effective Practices for Intrinsic Reading Motivation

Presenters: Ashley Creech

Title: Improving reading comprehension through the use of iStation

Presenters: Oneyda Castillo

Title: Reduce students' questions by reviewing scaffolded material

Presenters: Reema Shaukat

Title: Mentor and Micro-Texts on improving Secondary Writing

Presenters: Jacqueline Brookreson

Title: Professional Development for Technology

Presenters: Haleigh Conklin

Title: Action Research Study: Comparing Online Programs to Increase Fact Fluency in 6th Grade Students

Presenters: Heather Kaboutari

Title: The Effect of Academic Vocabulary in Higher Order Thinking Questions

Presenters: Eileen Lee

Title: Improving Oral Language Development in Early Childhood

Presenters: Ashley Duran

Tuesday, April 25th, 2023

College of Human Sciences and Humanities

4:15 p.m. Bayou 1213

Faculty Chair: Christine Kovic

Title: The Right to Health Seen through Photo Voice.

Presenters: Students of ANTH 4342 - Human Rights, Social Justice, Health

Tuesday, April 25th, 2023

College of Education

5:00 p.m. Online Session

<https://uhcl.zoom.us/j/92367825417>

Faculty Chair: Dr. Neelofer Tajani

Title: Project Approach Student Investigation - Roofing

Presenters: Jessica Crum

Title: The Paper Airplane Project

Presenters: Esther Shulman

Title: 201 Scoopers

Presenters: Jeanie Pritchard, Milton Lemus

Title: Project Approach- Plants

Presenters: Alexandra Flores

Title: Planting, Growing, and Learning

Presenters: Michelle Hadar

Title: Around the World with 202

Presenters: Alexandra Gomez, Todd Weiss

Title: The Zoo

Presenters: Taylor Idrovo

Title: Baby Fever

Presenters: Samantha Lubin

Tuesday, April 25th, 2023

College of Human Sciences and Humanities

Plenary Session

7:30 p.m. Forest Room

Faculty Chair: Dr. Giazú Enciso Domínguez

Title: When trying to return home: Stories

Presenters: Jennifer McCauley

Title: Being Latina can be...

Presenters: Yvonne Russel

Title: Ms. Ariel Goes Back in Time

Presenters: Glòria Rivas, Alicia Aguilera and Leslie Gauna

Title: Why the Baby Doesn't Like the Subway

Presenters: Olivera Jokic

Wednesday, April 26th, 2023

College of Human Sciences and Humanities

9:00 a.m. – 11:50 a.m. Bayou 1213

Faculty Chair: Dr. Veronica Segovia

Title: Interviews with Police Departments across the U.S.

Presenters:

Jaimie Riojas
Justin Ochoa
Kacie Lowery
Christie Garges
Abraham Sanchez
Oscar Velasquez
Justin Nguyen
Bernard Baiye
Diana Toledo
Brianna Kennedy
Christian Avalos
Hanna Ray-Goldman
Alma Perez
Rabeeah Bhatti
Michael Rush
Joceline Rivera
Madelyn Spray
Ryan Stoddard
Vianey Puentes
Puentes Berenice

Wednesday, April 26th, 2023

College of Science and Engineering

10:00 a.m. – 11:20 a.m. STEM 2101

Faculty Chair: Dr. Youssef Hamidi

Title: Drain System Design for Pools, Spas, and Tanks.

Presenters: Mario Barron Gonzalez, Ros'Lynn Charles, Adrian Garcia, Richard Grumbles, Moshin Mirchandani, Khoa Phan, Omar Tubeishat

Title: Lunar Terrain Vehicle (LTV) Cargo Carrier

Presenters: Jose Amieva, George Janho, Jessica Kunzat, Reggie Martinez, Blair Mitchell, Adelina Rodriguez, Hunter Van Wagner

Title: Superelastic Tire

Presenters: Matt Alatorre, Arlan Catney, Mustafa El Miari, Anthony Gwynn, Jacob Howard, Long Lai, Eduardo Ocanas, Buvaneshraj Saravanan

Title: Fire Protection System

Presenters: River Alford, Richard Campos, Alexander Falks, Sheikh Hussain, Jeremy Maher, Roberto Penafiel Jr., Samuel Stevens

Title: Film Cooling for Turbine Blades in Extreme Environments

Presenters: Kain Aguirre, Mitchell Brady, Brendan Corr, Gerardo Lagunas, Josue Montemayor, Gabriel Salazar, Jaime Ventura Ramos

Wednesday, April 26th, 2023

College of Science and Engineering

11:30 a.m. – 12:50 a.m. STEM 2101

Faculty Chair: Dr. Youssef Hamidi

Title: Resin Transfer Molding (RTM): An Overview of the Composite Manufacturing Process

Presenters: Lawrence Tovar

Title: Updates on Filament Winding Manufacturing

Presenters: Kaitlyn Geisen

Title: Past, Present, and Future Autoclave Processes in Composite Manufacturing

Presenters: Colton Picazo

Title: New Trends in Injection Molding

Presenters: Erik Lucatero

Title: Compression Thermoforming

Presenters: Giraldo Alvarez

Title: Updates in Liquid Composites Molding

Presenters: Hector Elizondo

Title: New Trends in Vacuum Assisted Resin Transfer Molding

Presenters: Lloyd Pate

Title: Effectively manufacturing Composites by Wet Lay-Up and Vacuum Bagging

Presenters: Ajith Appukutan

Title: Pultrusion as a Composite Manufacturing Process

Presenters: Abdullah Qureshi

Wednesday, April 26th, 2023
College of Science and Engineering

4:00 p.m. – 5:20 p.m. STEM 2105
Faculty Chair: Dr. Kazi Billah

Title: Additive Manufacturing Generative Design of a Pivot Bracket

Presenters: Austin Redwine, Armando Garza, Giraldo Alvarez, Hector Elizondo

Title: Additive Manufacturing: Generative Design of Mounting Bracket

Presenters: Anthony Keeler, Heather Dodd, Matthew Paine, and Sascha Henderson

Title: Additive Manufacturing of Generative Design: “Aircraft Jet Engine Support Bracket”

Presenters: Carlos Zaragoza, Mario Barron Gonzalez, Osvaldo Perez, Charline Ouellette

Title: Additive Manufacturing (AM): Utilizing Generative Design to Optimize Angle Mount Bracket

Presenters: Juan Cedillo II, Aline Lira, Brock Zayas, Edgar Castillo

Title: 3D Printing of Composite Molds

Presenters: Mario Barron Gonzalez, Ricardo Arechiga De La Rosa, Sharpe Bastian Walker

Title: Additive Manufacturing of Generative Design Spacecraft Antenna Mount Bracket

Presenters: Jessie Garges, Riki Barron, Andres Dueri, Julia Twyford

Wednesday, April 26th, 2023

College of Science and Engineering

4:00 p.m. – 8:00 p.m. STEM 2009

Faculty Chair: Dr. Charuksha Walgama

Title: Tuning the Galvanic Exchange of AgNP-based Metalloimmunoassay on Carbon-Printed Electrodes

Presenters: Daniel Adrian

Title: Electrochemical features of direct oxidation and liver-microsomal metabolism of Diclofenac

Presenters: Daphne Medina

Title: Pseudoephedrine Degradation in Basic Solutions

Presenters: Daniel Valentine

Title: Wastewater sensing of fatty alcohols using by fluorescence of MIL-53(Al)

Presenters: Christopher Stephenson

Title: Arynes as Building Blocks for Pharmaceutically Valuable Heterocycle Synthesis

Presenters: Christopher Taylor

Title: Photodegradation of Metformin in Various Environmental Conditions

Presenters: Emily Smith

Title: Stress Biomarkers in Biological Fluids and Their Point-of-Use Detection

Presenters: Dung Vu

Title: Implementation of Miniature Cold Fusion Reactions for Green Energy Production

Presenters: Mauricio Mendoza Galvan

Wednesday, April 26th, 2023

College of Business

Plenary Session

4:00 p.m. – 7:00 p.m. Bayou 1324

Faculty Chair: Dr. Winifred Weber

Title: Mock Trial: State vs. Fitzgerald

Presenters:

Ashlinn Parker

Daisy Arroyo

Elijah Castillo

Brittanie Kreger

Anais Lovera

Michelle Murray

Jonathan Olson

Ginger Pace

Ashlinn Parker

Genevieve Rendon

Jeremy Swor

Stephanie Tanner

Briana Wade

Wednesday, April 26th, 2023

College of Human Sciences and Humanities

4:30 p.m. Bayou 2237
Faculty Chair: Dr. Amy Lucas

Title: Building a Health Information Network

Presenters:

Morgan Brokaw
Amber Claussen
Grad Student
Rashelle Dann
Akin Enigbokan
Christina Hurst
Virginia Jones
Rigoberto Ruiz
Gozde Tura
Teresa Whitmore

Wednesday, April 26th, 2023
College of Science and Engineering

5:30 p.m. – 7:00 p.m. STEM 1203
Faculty Chair: Dr. Kazi Billah

Title: Manufacturing Ballistic Shielding Utilizing Kevlar Fiber and Foam Cores Enclosed in a Carbon Fiber/Epoxy Matrix Shell

Presenters: John Claunch, Jeffrey Gleasman, Sheikh Hussain, Ruben Lopez

Title: Design and Manufacturing of Mini hydraulic jack

Presenters: Khoa Phan, Moshin Mirchandani, Samuel Rojas, Kyle Connolly

Title: Design and Manufacturing of a Stirling Engine

Presenters: Jeremy Maher, Josue Montemayor, Jose Amieva, Jacob Howard

Title: Manufacturing a Slider Crank Mechanism

Presenters: Michael Krueger, Blair Mitchell, Samuel Stevens, Hunter van Wagner

Title: Design and Manufacturing of a Controllable Mechanical Arm

Presenters: Adrian Garcia, Brock Helpenstill, Ahren Kauffman, Alina Siddique

Wednesday, April 26th, 2023

College of Human Sciences and Humanities

7:00 p.m. Bayou 1124
Faculty Chair: Dr. Pearl Young

Title: In Service of Whiteness: A Historical Analysis

Presenters: Briana Settles

Title: Life, Death, and Law: Abortion in 19th Century America

Presenters: Shelby Rodwell

Title: Gender, Jim Crow, and the Temperance Movement: 1885-1935

Presenters: Lance Berrones

Title: Islamic Feminisms: The Historiography of Muslim-American Women

Presenters: Joseph Godwin

Title: The Invisible Fight for Equality- U.S. Women and their struggles in Higher Education

Presenters: Brayden Yingst

Thursday, April 27th, 2023

College of Human Sciences and Humanities

Plenary Session

4:00 – 5:00 p.m. Hawk's Overlook @ Neumann Library

Faculty Chair: Dr. Anne Gessler

Title: The Common Reader's Big Reveal

The Common Reader's Big Reveal is an annual, student-driven event that wraps up the themes of our current common reader, Mona Hanna-Attisha's *What the Eyes Don't See: A Story of Crisis, Resistance, and Hope in an American City* (about the Flint, MI water crisis), and announces the next book for 2023-2024.

Thursday, April 27th, 2023

College of Human Sciences and Humanities

1:00 p.m. – 3:50 p.m. SSCB 2310

Faculty Chair: Dr. Maria Curtis

Title: Medical Milestones of Galveston County

Presenters: Valerie Sanchez, Gabriela Serna, James Hicks, Bailey DeLong, Reagan Maniscalco

Title: The Faces of History's Resilience

Presenters: Zenah Al-Naimi, Dawn Bulanek, Lorena Garcia, Sly Dasharee April Martinez, Berenice Puentes

Title: The Galveston Cotton Exchange: Woven into History

Presenters: Aileen Gonzalez, Amada Garza, Abigail Renteria. Citlali Prado, Darius Childs, Vianey Puentes

Title: The Original Sin City

Presenters: Meeta Barrett, Mark Leon, Dani Licon, Elaine Moore, Madelyn Spray

Title: Galveston: From the Fields to the Gold Coast

Presenters: Desiree Navarro, Ida Franco, Jeffrey Jakes, Joshua Oldag, Jacob Meadows, Leslie Rangel

Thursday, April 27th, 2023

College of Education

1:00 p.m. Arbor 1310.03

Faculty Chair: Dr. Neelofer Tajani

Title: The Butterfly Project

Presenters: Jesabel Moreno, Chloe Marlar

Title: Our cause is four paws

Presenters: Priscilla Perez, Megan Contello

Title: Hatching: The Life Cycle of a Butterfly

Presenters: Sabrina Baca, Zoe Zepeda, Arden Ward

Title: W is for Worms

Presenters: Hannah Montoya, Sierra Henderson

Thursday, April 27th, 2023

College of Science and Engineering

1:00 p.m. – 3:50 p.m. STEM 2113

Faculty Chair: Dr. Sachiyo Mukherji

Title: Composting Research: Observations On degradability of Compostable Forks

Presenters: Morgan Javers, Tiffany Goldstein, Payton Keyes, Vimal Aditya

Title: Study degradability of compostable resealable bags in home compost bin

Presenters: Keilah Trevino, Austin Cloyd, Antonio Neri, Faisal Syed, Randall Wright

Title: Study degradability of compostable trash bag in home compost bin

Presenters: Carmen Gonzalez, Lainey Mazur, Juan Luzardo, Sarah Elliott

Thursday, April 27th, 2023

College of Science and Engineering

Plenary Session

5:30 p.m. – 7:00 p.m. Bayou 1335

Faculty Chairs: Dr. Lory Santiago Vazquez, Dr. Amy Lucas

Title: Senior Women in STEM, part of the Women in STEM Peer Mentoring Network at UHCL

Panelists:

- **Dr. Sharon k. Hall**, Emeritus Professor of Psychology and Women’s Studies.
- **Dr. Estella Hernandez Gillette**, NASA Alumni League, Johnson Space Center
- **Dr. Lie June Shiau**, Professor of Mathematics

Moderated by:

- **Dr. Dorothy Kirkman**, Associate Professor of Management

Participants: Dr. Angela Kelling, Dr. Soma Datta, Dr. Giazú Enciso Domínguez, Dr. Omah Williams-Duncan, Dr. Georgina Moreno, Dr. Soma Datta

Description: Panelists will talk about their strategies on work-life balance, keeping active research projects, collaborations, writing, professional development, and other topics that relate to being a woman in STEM.

Friday, April 28th, 2023

College of Human Sciences and Humanities

Plenary Session

8:30 a.m. – 10:45 a.m. – Online Session

<https://uhcl.zoom.us/j/93541625140?pwd=NFZyVVhnUkdDaVNRZWZ6UUtwbkpCUT09>

Faculty Chairs: Dr. Maria Curtis, Dr. Dawit Woldu

Panel 1: Gender and Human Rights Panel

Title: Myanmar's Violation of Human Rights: The Rohingya Genocide

Presenters: Fahad Ahmed Al Sadi

Title: Women, Peace and Security Agenda

Presenters: Hessa Abdulla Alkhatir

Title: The Role of Emirati Women Past and Present

Presenters: Mariam Aljunaibi

Title: What Changed the Role of Emirati Women in Society after the Establishment of the UAE?

Presenters: Shaika Saeed Alblooshi

Title: The Causes of Increasing Divorce Rates in the United Arab Emirates

Presenters: Shama Ahmed Alqutbah

Title: Marriage and Education in the United Arab Emirates

Presenters: Meera Saif Obaid Saif

Friday, April 28th, 2023

College of Human Sciences and Humanities

Plenary Session

10:45 a.m. – 12:30 p.m. – Online Session

<https://uhcl.zoom.us/j/93541625140?pwd=NFZyVVhnUkdDaVNRZWZ6UUUtwbKpCUT09>

Faculty Chairs: Dr. Maria Curtis, Dr. Dawit Woldu

Panel 2: Youth, Education, and Social Issues

Title: An Exploration of Bullying among Binational Emiratis in the United Arab Emirates

Presenters: Zahra Darwish Saeed Khamis Alsuwaidi

Title: Emiratis' Perceptions and Viewpoints on Paternity Leave

Presenters: Maryam Khalid Atij Majid Almarri

Title: ASD Inclusion: Early Childhood Education in the UAE

Presenters: Maryam Suhail Obaid Khadim Alkyeli

Title: The Impact of Teaching Methods on Student Learning at Zayed University

Presenters: Ali Omar Amer AlAmeri

Title: The Impact of Sports-based Youth Development on the Academic Achievement of Emirati Youth

Presenters: Ahmed Jassim

Friday, April 28th, 2023

**Faculty Quality Enhancement Plan Showcase on
Intercultural Knowledge and Competency**

Plenary Session

2:00 p.m. – 3:30 p.m. Neumann Library Active Learning Classroom
Faculty Chair: Dr. Leroy Robinson

Faculty Presenters:

2-2:30 pm: Comeka Anderson Diaz, Robert Bartsch, Kathleen Garland, Jennifer Grace, Randy SeEVERS.

2:30-3 pm: Ariful Bhuiyan, Kent Divoll, Jeffrey Lash, Lory Santiago-Vazquez, Donna Stringer.

3-3:30 pm: Anne Gessler, Youssef Hamidi, Samina Masood, Farzaneh Noghani.

Friday, April 28th, 2023

College of Science and Engineering

2:00 p.m. – 5:00 p.m. STEM 1115
Faculty Chair: Dr. Jeffrey Mountain

Title: Eureka Cargo Carrier

Presenters: Abdulla Qureshi, Carlos Zaragoza, Joshua Rodriguez, Osvaldo Perez

Title: EVA Zip Tie Installer

Presenters: Felipe Trujillo-Wheeler, Ramiro Maldonado, Edgar Castillo, Brock Zayas, James Wheeler, Juan Cedillo

Title: Deployable Antenna Mounting Structure

Presenters: Erik Lucatero, Austin Redwine, John Roy, Erik Lucatero, Ajith Appukuttan, Armando Garza

Title: Lunar Cargo Carrier

Presenters: Ryan Thetford, Heather Dodd, Jerin George, Sascha Henderson, Charline Ouellette, Roman Sustaita

Title: Wi-Fi Antenna Mounting Structure

Presenters: Barron Riki, Katy Box, Julia Twyford, Anthony Keeler, Sawyer Bright

Title: Liquid Amine Regeneration Subsystem (LARS)

Presenters: Kaitlyn Geisen, Jessie Garges, Ahmed Choubassi, Giraldo Alvarez

Title: A Fire Protection Shelter: Design and Development

Presenters: Andres Dueri, Whitney Gray, Clayton Lackey, Cristobal Rodriguez, Matthew Zakrzewski, Lawrence Tovar

Saturday, April 29th, 2023

College of Science and Engineering

10:00 a.m. – 11:40 a.m. Bayou 1335

Faculty Chair: Dr. Charuksha Walgama

Title: Fabrication and Optimization of Carbon Screen-printed Electrodes for Biosensing Applications

Authors: Marco Cardenas, Daniel Adrian

Faculty Sponsor: Dr. Charuksha Walgama

Time: 10:00 – 10:20

Title: Development of an Electrochemical Bioreactor for In-Vitro Drug Metabolic Assays Using Human Liver S9 Sub-cellular Fractions: An Exploratory Study

Authors: Bhavana Omanakuttan, Ricky Nguyen

Faculty Sponsor: Dr. Charuksha Walgama

Time: 10:20 – 10:40

Title: Detection of Ibuprofen on Carbon Printed Electrodes Using Analytical Chemistry Techniques

Authors: Monica Massoud

Faculty Sponsor: Dr. Charuksha Walgama

Time: 10:40 – 11:00

Title: Quantification of Arsenic in Wine via Cyclic Voltammetry

Authors: Cara Pike

Faculty Sponsor: Dr. Charuksha Walgama

Time: 11:00 – 11:20

Title: Prevalence, Disease Progression, Complications, and Prevention of Glaucoma

Authors: Niluka Wedanalage

Faculty Sponsor: Dr. Charuksha Walgama

Time: 11:20 – 11:40

Saturday, April 29th, 2023

College of Science and Engineering

10:00 a.m. – 11:40 a.m. Bayou 1333

Faculty Chair: Dr. Zokhrab Mustafaev

Title: On Minkowski addition of convex polygons in the plane

Authors: Mikayla Roseboro

Faculty Sponsor: Dr. Zokhrab Mustafaev

Time: 10:00 – 10:20

Title: Helly-Type Results for Convex Bodies in the Plane

Authors: Jonathon Foley

Faculty Sponsor: Dr. Zokhrab Mustafaev

Time: 10:20 – 10:40

Title: Numerical Analysis of Steklov-Neumann Mixed Boundary Problem

Authors: Alex Sabey

Faculty Sponsor: Dr. Manki Cho

Time: 10:40 – 11:00

Title: Tobacco versus Herbal Cigarettes: Which produces more solid particles in smoke?

Authors: Megan Wang

Faculty Sponsor: Erica Smith

Time: 11:00 – 11:20

Title: Galois Extensions and O^* -Fields

Authors: Kenneth Evans

Faculty Sponsor: Dr. Jingjing Ma

Time: 11:20 – 11:40

Saturday, April 29th, 2023

College of Science and Engineering

10:00 a.m. – 11:40 a.m. Bayou 1302

Faculty Chair: Dr. Billah

Title: Hair and Fingernail Zinc Analysis by XRF

Authors: Brittany Escobar, Christopher Frederickson, Cathy Frederickson, Nancy Arellano

Faculty Sponsor: Dr. Giblin

Time: 10:00 – 10:20

Title: Low-Cost Fatigue Machine for a Biomedical Application: Lumbar Spine Fusion Device Performance Assessment

Authors: Clayton Lackey, Felipe Trujillo-Wheeler, Giraldo Alvarez, Joshua Farmer, Abdullah Qureshi, Joshua Rodriguez, Austin Redwine, Katy Box, Ahmed Choubassi, Ajith Appukuttan, Wagnee Fernando

Faculty Sponsor: Dr. Ariful Bhuiyan

Time: 10:20 – 10:40

Title: Engineering a Design for a Portable Refrigeration Unit Powered by Renewable Energy

Authors: Michael Krueger, Blake Ballard, John Claunch, Kyle Connolly, Christopher Garcia, Neel Rathod, Alberto Torres

Faculty Sponsor: Dr. Youssef Hamidi

Time: 10:40 – 11:00

Title: Collapsible Portable Conditioned Shelter

Authors: Alina Siddique, Lisette Alcocer, Wendy Cardenas, Mohamad Elkhader, Brock Helpenstill, Ruben Lopez, Aileen Ocejo

Faculty Sponsor: Dr. Youssef Hamidi

Time: 11:00 – 11:20

Title: Identification of Factors Associated with Health Workforce Resilience with Analytic Hierarchy Process

Authors: Anuja Gadde

Faculty Sponsor: Dr. Xiaojun (Gene) Shan

Time: 11:20 – 11:40

Saturday, April 29th, 2023

College of Human Sciences and Humanities

10:00 a.m. – 11:20 a.m. Bayou 1135

Faculty Chair: Dr. Thais Sant'Ana

Title: Women's Call for Secession in the Civil War

Authors: Hannah Pullen

Faculty Sponsor: Dr. Pearl Young

Time: 10:00 – 10:20

Title: Immediate recall for digits

Authors: Shehriz Lakhani

Faculty Sponsor: Dr. Kelsey James

Time: 10:20 – 10:40

Title: Becoming the Great One: Roberto Clemente's Impact on the U.S. Civil Rights Movement and Modern Baseball

Authors: Cierra Ives

Faculty Sponsor: Dr. Thais Sant'Ana

Time: 10:40 – 11:00

Title: What Provoked the Houston Riots of 1917 - Who was at Fault?

Authors: Tony Gamage

Faculty Sponsor: Dr. Laura Kanter

Time: 11:00 – 11:20

Saturday, April 29th, 2023

College of Human Sciences and Humanities

10:00 a.m. – 11:20 a.m. Bayou 1313

Faculty Chair: Dr. Georgina Moreno

Title: A 5-HT_{2A} inverse agonist reverses nicotine withdrawal effects on sleep stages.

Authors: Jerilyn James, J. C. Shahin, H. L. Chapman, D. H. Malin, P. Tsai, E. S. Burnstein, C. P. Ward

Faculty Sponsor: Dr. Georgina Moreno

Time: 10:00 – 10:20

Title: A 5-HT_{2A} receptor inverse agonist attenuates morphine withdrawal syndrome in the rat.

Authors: Savannah Nino, D. H. Malin, P-H. Tsai, E. R. Morales, J. R. Nguyen, S. A. Niño, K. S. Sadheora, C. P. Ward, E. S. Burstein

Faculty Sponsor: Dr. Georgina Moreno

Time: 10:20 – 10:40

Title: Effects of Pimavanserin on Behaviors Characteristic of Morphine Withdrawal in Morphine-Free Rats

Authors: Yvonne Reed

Faculty Sponsor: Dr. Georgina Moreno

Time: 10:40 – 11:00

Title: Psychophysiological Correlates of Morbid Curiosity

Authors: Esmeralda Martinez

Faculty Sponsor: Dr. Georgina Moreno

Time: 11:00 – 11:20

Saturday, April 29th, 2023

College of Human Sciences and Humanities, Education

10:00 a.m. – 11:00 a.m. Bayou 1133

Faculty Chair: Dr. Huss-Keeler

Title: Bridging Diversity with Bridgerton: TV as a new site of resistance to the colonial patriarchy

Authors: Marguerite Taillac

Faculty Sponsor: Dr. Shreerekha Subramanian

Time: 10:00 – 10:20

Title: Closing the Gap for African American Students

Authors: Alicia Taylor

Faculty Sponsor: Dr. Rebecca Huss-Keeler

Time: 10:20 – 10:40

Title: The Role of Women in Sports and the Civil Rights Movement: A Historical Perspective

Authors: Ryan Salazar

Faculty Sponsor: Dr. Pearl Young

Time: 10:40 – 11:00

Title: Laugh to Engage Students

Authors: Dina Geumei

Faculty Sponsor: Dr. Amber Brown

Time: 11:00 – 11:20

Saturday, April 29th, 2023
College of Science and Engineering
Poster Sessions

Poster Setup at 9:30 a.m. Bayou Building, Atrium II

Presentations from 10:00 a.m. – 12:00 a.m.

Title: North American Birds of Prey Decline: Ecological and Anthropogenic Factors

Presenters: Melina Carson, Rizq Imtiaz, Corinne Burk, Melanie Gutierrez, Andrew Flores, Gabrielle Hughes

Faculty Sponsor: Dr. Cindy Howard

Title: Comparing the Biodiversity of Wildlife Between Varzea and Igapo: A UHCL Amazon Study Abroad Trip 202

Presenters: Melina Carson, Jordan Lucas, Jordan Anderson, Jasmine Thompson

Faculty Sponsor: Dr. Cindy Howard

Title: Mixed Bird Species: A Study on Population Distribution and Influencing Factors

Presenters: Tiffany Goldstein, Aspen Earle, Meghana Budankayala, and Yashodha Abesysingha

Faculty Sponsor: Dr. Cindy Howard

Title: The Night Shift: Amazon Bats of Novo Airõ

Presenters: Jordan Lucas

Faculty Sponsor: Dr. Cindy Howard

Title: "Migratory Shore Birds and Their Changing Presence Along Texas Coasts"

Presenters: William Bowman

Faculty Sponsor: Dr. Cindy Howard

Title: An Examination of Shorebird Population Trends, 1973-2023

Presenters: Mateo Curiel

Faculty Sponsor: Dr. Cindy Howard

Title: Electrochemistry of Human Liver Microsomes (HLM)

Presenters: Ricky Nguyen, Bhavana Omanakuttan

Faculty Sponsor: Charuksha Walgama

Title: Horsepen Bayou Water Quality Modeling: Effects of Increasing Water Temperature on Metal Speciation

Presenters: Karolyn Raj, Faisal Syed

Faculty Sponsor: Dr. Sachiyo Mukherji

Title: Steklov Expansion Method

Presenters: Jacob Valle

Faculty Sponsor: Dr. Manki Cho

Title: Oxidative stress on pancreatic beta cells by high glucose level

Presenters: Pardis Zohari, Marlene Aguilar

Faculty Sponsor: Dr. M. Bazlur Rashid

Title: Study of Pfu SOR gene in bacterial expression system by cloning into pCAL-kc plasmid using In-Fusion cloning.

Presenters: Vasavi Bhogadi

Faculty Sponsor: Dr. M. Bazlur Rashid

Title: Fiberglass in the Chemical Industry

Presenters: Kaitlyn Geisen

Faculty Sponsor: Dr. Youssef Hamidi

Title: Composites used in Ablative Heatshields

Presenters: Lloyd Pate

Faculty Sponsor: Dr. Youssef Hamidi

Title: Effects of Biodegradable Composites

Presenters: Ajith Appukuttan

Faculty Sponsor: Dr. Youssef Hamidi

Title: Thermoplastic Composites' Usefulness in Automotive and Aerospace Industry

Presenters: Lawrence Tovar

Faculty Sponsor: Dr. Youssef Hamidi

Title: PyroCap: Portable Fire Shelter Investigating the effects of incorporating aerogel insulation on the thermal regulation system of a Mars Exploration Extravehicular Mobility Unit (MxEMU).

Presenters: Lawrence Tovar, Jessica Kunzat

Faculty Sponsor: Dr. Eugene Ungar

Title: An Innovative Low-Cost Fatigue Testing Machine Design for Evaluating Lumbar Spine Fusion Devices Performance.

Presenters: Ahmed Choubassi, Giraldo Alvarez, Ajith Appukuttan, Kathleen Box, Joshua Farmer, Wagme Fernando, Clayton Lacky, Abdullah Qureshi, Austin Redwine, Joshua Rodriguez, Felipe Trujillo-Wheeler.

Faculty Sponsor: Dr. Ariful Bhuiyan

Title: Identification and Prioritization Of Factors Associated With Health Workforce Resilience With Analytic Hierarchy Process

Presenters: Anuja Gadde

Faculty Sponsors: Dr. Ipek Bozkurt, Dr. Xiaojun (Gene) Shan

Title: 2D Niobium Carbide (Nb₂CTX) MXene for Selective Surface-Enhanced Raman Scattering Applications

Presenters: Mackenzie Songsart-Power

Faculty Sponsor: Dr. Tej Bahadur Limbu

Title: A DFT study on structural and spin dependent electronic properties of ZnO Nanotubes

Presenters: Victor Cornejo

Faculty Sponsor: Dr. Serkan Caliskan

Title: Structural, Electronic and Magnetic Characteristics of Transition Metal Doped Boron Nitride Nanotubes

Presenters: Stefan Alexander

Faculty Sponsor: Dr. Serkan Caliskan

Title: A First Principles Investigation on The Mechanical And Electronic Transport Properties Of Doped Graphene Structures

Presenters: Adelina Rodriguez

Faculty Sponsor: Dr. Serkan Caliskan

Title: Investigating the effects of incorporating aerogel insulation on the thermal regulation system of a Mars Exploration Extravehicular Mobility Unit (MxEMU).

Presenters: Lawrence Tovar, Jessica Kunzat

Faculty Sponsor: Dr. Eugene Ungar

Title: Exploring the Expansion of the F element in Drosophila through Gene Annotation in Drosophila kikkawai: A case study of the toy Gene.

Presenters: Dhvani Pansuriya

Faculty Sponsor: Dr. Lory Santiago-Vasquez

Title: Efficient Routes to Aziridines through Activation of Sulfonamides.

Presenters: Luis Leon

Faculty Sponsors: Dr. Nataliya A. Markina and Dr. Anton V. Dubrovskiy

Title: One-pot Synthesis of Isoquinolones via Hofmann Rearrangement

Presenters: Arub Nihad Ashraf, Renee Deng

Faculty Sponsors: Nataliya A. Markina and Anton V. Dubrovskiy

Title: The Drosophila F element chromosome: Annotating Coding Regions in Chromosomes 2R & 3L of Drosophila kikkawai to Explore Why Other Eukaryotic Genomes Became So Large

Presenters: Minh-Sang Lu, Amber Gray, Kashish Khatkar

Faculty Sponsor: Dr. Lory Santaigo-Vazquez

Title: From Small to Big: Understanding How the F Element Chromosome Expanded in Fruit Flies -- the Annotation of the Gene shaven (sv) in Drosophila kikkawai as a Case Study

Presenters: Poornavaishnavi Chekuri, Kusuma Naredla

Faculty Sponsor: Dr. Lory Santaigo-Vazquez

Title: Exploring the Expansion of the F element in Drosophila through Gene Annotation in Drosophila kikkawai: A case study of the gene toy located on Contig 56

Presenters: Dhvani S. Pansuriya

Faculty Sponsor: Dr. Lory Santaigo-Vazquez

Title: DFT Beyond Moore's Law: Extreme Hardware Specialization for the Future of HPC

Presenters: Blair Reasoner

Faculty Sponsor: Xiaokun Yang

Title: Prevalence of Antibiotic Resistant *Vibrio Alginolyticus* on Microplastics in Galveston Bay

Presenters: Allison Wyrick, Alex J. Estala

Faculty Sponsor: Dr. Michael LaMontagne

Title: Incidences of *Vibrios* species and Chitinase bacteria in Blue Crab

Presenters: Kiswa Shaikh, Meghana Budankayala, Tetyana King

Faculty Sponsor: Dr. Michael LaMontagne

Title: A Systematic Review and Meta-analysis of the use of Probiotics in the treatment of Parkinson's Disease

Presenters: Kyra Morphis, Arub Nihad Ashraf, Cristian Limas, Natalie Hernandez

Faculty Sponsor: Dr. Michael LaMontagne

Title: A Systematic Review and Meta-analysis of the use of Probiotics in the treatment of Parkinson's Disease

Presenters: Leslie Reyna, Isabella Deleon, Leslie Reyna, Amber Ramirez, Mario Munoz, Mareleen Corona

Faculty Sponsor: Dr. Michael LaMontagne

Title: Systematic Review and Meta-analysis on the Effectiveness of Single-Dose Inactivated Influenza Vaccines in HIV+ Individuals

Presenters: Mina Chhikara, Bailey Steward, Beatriz Cespedes

Faculty Sponsor: Dr. Michael LaMontagne

Title: Application of digital PCR to tracking fecal contamination from feral hogs, human waste, and canines

Presenters: Christopher Howard, Haley B. Stevens, Michael S. Allen, Yan Zhang

Faculty Sponsor: Dr. Michael LaMontagne

Title: Systematic Review and Meta-Analysis of the Benefit of Oral Probiotics on Psoriasis

Presenters: Taylor Baccus, Chris Cuya, Cailyn Wagner, Kristen Smallwood, and Rafaela Fiallos

Faculty Sponsor: Dr. Michael LaMontagne

Title: Application of MALDI-TOF MS to track the source of microbial contamination in tributaries to Galveston Bay

Presenters: Yenifer Garcia, Christopher A. Howard, Haley B. Stevens

Faculty Sponsor: Dr. Michael LaMontagne

Title: Systematic Review and Meta-Analysis of The Effect of Probiotics on Acne

Presenters: Jessica Armstrong, Alexis Gonzalez, Michelle Lim, Yvonne Mendoza, and Emily Pechota

Faculty Sponsor: Dr. Michael LaMontagne

Title: The Effects SARS-CoV-19 Has on The Nasal Microbiome

Presenters: Jessica Carlton

Faculty Sponsor: Dr. Michael LaMontagne

Title: Systematic Review and Meta-analysis of PCR Testing in Patients with Respiratory Tract Infections

Presenters: Diego Gonzalez, Bazigh Patoli, Arshia Batra, & Songna Nguyen

Faculty Sponsor: Dr. Michael LaMontagne

Title: Systematic Review and Meta-analysis of Type 2 Diabetic Patients with Nephropathy- clinical trials using probiotics as treatment in the form of soy milk.

Presenters: Andrea Santiago, Maria Borunda, Amanda Lopas, Mateo Curiel

Faculty Sponsor: Dr. Michael LaMontagne

Title: Carbon Reinforced Thermoplastic Composites and its Repurposability in Aerospace Applications.

Presenters: Lawrence Tovar

Faculty Sponsor: Dr. Youssef Hamidi

Title: Composites in Automotive Industry

Presenters: Erik Lucatero

Faculty Sponsor: Dr. Youssef Hamidi

Title: Composite Additive Manufacturing

Presenters: Hector Elizondo

Faculty Sponsor: Dr. Youssef Hamidi

Title: Effects of Biodegradable Composites

Presenters: Ajith Appukuttan

Faculty Sponsor: Dr. Youssef Hamidi

Title: Mechanical Properties of Glass Fibers

Presenters: Abdullah Qureshi

Faculty Sponsor: Dr. Youssef Hamidi

Title: Composites in Manufacturing Cryogenic Technologies

Presenters: Giraldo Alvarez

Faculty Sponsor: Dr. Youssef Hamidi

Title: 3D printed actuator with embedded shape memory alloy

Presenters: Ricardo Arechiga De La Rosa, Mario Barron Gonzalez, Walker Sharpe

Faculty Sponsor: Dr. Kazi Billah

Saturday, April 29th, 2023

College of Human Sciences and Humanities

Poster Sessions

Poster Setup at 9:30 a.m. Bayou Building, Atrium II

Presentations from 10:00 a.m. – 12:00 a.m.

Title: Discriminatory Reproductive Healthcare Disparities on the Basis of Gender and Sexuality

Presenters: Madison Hastings, Ellie Ramon

Faculty Sponsor: Dr. Giazú Enciso Domínguez

Title: Disparities in Pregnancy-Related death in Women of Color

Presenters: Kayla Arjona & Ura Flores

Faculty Sponsor: Dr. Giazú Enciso Domínguez

Title: The Mere-Exposure Effect and Attraction Among Fictional Animated Human and Nonhuman Characters

Presenters: Lauren Bilnoski

Faculty Sponsor: Dr. Amanda Johnston

Title: Development of the Multifactorial Inventory of Mental Toughness (MIMT)

Presenters: Cristina Cabanas Garcia, Sarah Griffin

Faculty Sponsor: Dr. Sarah Griffin

Title: The Deterrent Effect of Streetlights on Crime in Neighborhoods in Salt Lake City, Utah

Presenters: Victor McIntosh

Faculty Sponsor: Dr. Kimberly Dodson

Title: Teachers' perspective of teaching in classroom vs remote learning

Presenters: Evelyn Peters

Faculty Sponsor: Dr. John McMullen

Title: Cultural differences in heart rate variability and the stress response

Presenters: Josie Montalvo

Faculty Sponsor: Dr. Georgina L. Moreno

Title: Associations Among Intimate Partner Violence and Gender Role Ideology

Presenters: Brooklynn Moore

Faculty Sponsor: Dr. Christine Walther

Title: Exploring Potential Correlates of Student Support Service Utilization, Disclosure, Adjustment, and Fit Among Postsecondary Students with Neurodevelopmental Disorders

Presenters: Hannah Hunter

Faculty Sponsor: Dr. Christine Walther

Title: Examining the overlap between resiliency and coping measures

Presenters: Christopher Baulch

Faculty Sponsor: Dr. Christine Walther

Title: Family acceptance for LGBTQ+ youth: better mental and physical health

Presenters: Michael Scroggins

Faculty Sponsor: Dr. Li Ping Su-Kubricht

Title: Assessment of Post-Traumatic Stress Symptoms in Families Who Have Experienced Pediatric Cancer

Presenters: Hayden Todd

Faculty Sponsor: Dr. Li Ping Su-Kubricht

Title: Teachers' perspective of teaching in classroom vs remote learning

Presenters: Evelyn Vazquez

Faculty Sponsor: Dr. John McMullen

Saturday, April 29th, 2023

College of Business

Poster Sessions

Poster Setup at 9:30 a.m. Bayou Building, Atrium II

Presentations from 10:00 a.m. – 12:00 a.m.

Title: What Happens Now? A Literature on HR Challenges in Post-COVID-19 Increasingly Remote Workforces

Presenters: Laura Heras

Faculty Sponsor: Dr. Silvana Chambers

Title: Why am I not getting promoted?: How McDonald's DEI strategy is affecting male employees.

Presenters: Zeb McDowell

Faculty Sponsor: Dr. Silvana Chambers

Saturday, April 29th, 2023

Lone Star College, Clear Lake High School

Poster Sessions

Poster Setup at 9:30 a.m. Bayou Building, Atrium II

Presentations from 10:00 a.m. – 12:00 a.m.

Title: Modeling a non-traditional wind turbine based on the Archimedean spiral

Presenters: Adrian Nolasco

Faculty Sponsor: Dr. Jennifer Travis

Title: Sailing and Behavioral Skills Training: How can BST be used to Teach New Sailors

Presenters: Matias Martin

Faculty Sponsor: Erica Smith

Title: Depictions of Female Beauty Standards on American Magazine Covers

Presenters: Muskan Ansari

Faculty Sponsor: Erica Smith

Title: Comparing the Effectiveness of Call-Response and Passive Surveying Methods using Wood Storks (Mycteria americana)

Presenters: Mika Urayama

Faculty Sponsor: Erica Smith

Title: 2022 Midterm Election: Media Bias and Racial Representation in FOX and MSNBC

Presenters: Ching-Hsin Hou

Faculty Sponsor: Erica Smith

Title: The Comparison of LGBTQ+ Stereotypes in Doctor Doctor, Will & Grace, and Schitt's Creek

Presenters: Kendyl Bray

Faculty Sponsor: Erica Smith

Title: Sherlock Holmes: Investigating the Stigma Surrounding Mental Disorder

Presenters: Phuong Le

Faculty Sponsor: Erica Smith

Title: The Highs and Lows: Exploring the Portrayal of Teenage Substance Use in Euphoria

Presenters: Aarthi Kukaruban

Faculty Sponsor: Erica Smith

Title: Love Beyond Borders: An Analysis of Gary Chapman's Five Love Languages in Crash Landing on You

Presenters: Lena Le

Faculty Sponsor: Erica Smith
