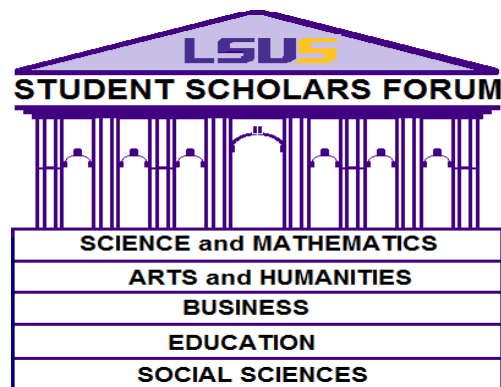




7th ANNUAL REGIONAL STUDENT SCHOLARS FORUM

March 11, 2022



Sponsored by the LSUS Foundation

SPECIAL NOTES TO PRESENTERS AND MENTORS

1. All events will be held in the University Center on the LSU Shreveport campus located at One University Place in the 8400 block of Youree Drive (LA 1), Shreveport.
2. Please register and pick up your name tag at the Registration Table in lobby of the University Center between 8:00 – 8:45 am.
3. A free box lunch will be available for all presenters and mentors with an official event nametag. Our keynote speaker will address the conference during lunch in the Ballroom.
4. All slide presentations must be PowerPoint.
5. Presenters should load PowerPoint presentations before the beginning of the designated session.
6. Poster presenters should have their posters hung in the designated area by 8:45 am. All posters must fit within a 4' X 4' space. Easels and a mounting board will be provided. Poster board numbers correspond to the poster number assigned to the presenter.
7. There will be a competition with first and second place winners in each category: undergraduate oral presentations, undergraduate poster presentations, graduate oral presentations, and graduate poster presentations.

*Thank you to the LSUS Foundation for sponsoring
the awards!*

PROGRAM

- 8:00 – 8:45 am** **Registration**
University Center Lobby (UC) (First Floor)
- 8:30 – 8:45 am** **Judges and Moderators Meeting**
UC Captains room (First Floor)
- 8:45 – 9:05 am** **Welcome and Orientation**
Dr. Helen Taylor, LSUS Provost & Vice Chancellor for Academic Affairs

9:15 – 10:30 am Session A: Graduate Oral Presentations: UC Theater			
9:15	Don Wilcox	University of Central Arkansas	An Ultrasonography Study Of Anatomical Variability And Dimensional Changes Of The Tibial And Plantar Nerves With Change In Foot And Ankle Position Dr. Mark Mennemeier, Mentor
9:30	Madison Whitten	Louisiana State University Shreveport	Evaluation of Different Furrow Irrigation Methods on Corn Water Use, Growth and Grain yield Dr. Syam Dodla, Mentor
9:45	Mandy Keng Soo	Northwestern State University	Effectiveness Of Center Of Academic Excellence In CyberDefense (Cae- Cd) Changing Cybersecurity Risks Of The University Dr. Lily Pharris, Mentor
10:00	Benjamin Garlington	University of Arkansas at Little Rock	Cloud Ecosystem in a Box (CEB) Dr. John Talburt, Mentor
10:15	Abdulsalam Adegoke	University of Southern Mississippi	Community structure and functionality of the Amblyomma maculatum microbiome is influenced by Rickettsia parkeri Dr. Shahid Karim, Mentor

9:15 – 10:15 am Session B: Undergraduate Oral Presentations: De Soto Room			
9:15	Abigail Avery	Arkansas State University	The Circuit Split on the Use of Section 1782 in Aiding Discovery For Private commercial Arbitration Dr. Phillip Tew, Mentor
9:30	Jordan Westenberg	Texas State University	The Impact of Body-Positivity and Bodychecking TikTok Videos on Body Image Dr. Crystal Oberle, Mentor
9:45	Tamra Lashelle Washington	Arkansas State University	Using Artificial Intelligence to Create an Optimal Font for those with Dyslexia Dr. Arianne Pait, Mentor
10:00	Haley Cotten	Louisiana State University Shreveport	Demystifying Death in the Taro Dr. Elisabeth Liebert, Mentor

9:15 – 10:30 am**Session C: Graduate Poster: Caddo Bossier Room**

GR1	Margaret Campbell	Arkansas State University	Arkansas Novice Teachers Perceptions Of Preparedness In Classroom Management, Curriculum And Instruction, And Communication With Families: A Phenomenological Study Dr. Ryan Kelly and Dr. Brandy Kamm, Mentors
GR2	Fallon Jones-Jefferson	University of Texas	How do African American/Black school-aged children make food choices. Dr. Gayle Timmerman, Mentor
GR3	Prathima Guntipalli	Texas Woman's University	Falls In Elderly and Fall Prevention Programs Dr. Rigoberto Delgado, Mentor
GR4	Shekufeh Shfeie	University of Louisiana Lafayette	Privacy, Security, and Ethics Microchip Implants
GR5	Owolabi Iyanuoluwani Jesulademi	University of Southern Mississippi	New microRNA-Class of Regulatory RNAs in Humans with Ago2-Dependent Processing Dr Alex Flynt, Mentor
GR6	Percival Soni Castro	University of Louisiana Lafayette	Characterization and testing of catalysts for the removal of sulfur compounds from natural gas Dr. Rafael Hernandez, Mentor
GR7	Rami Khalifah	University of Texas at Tyler	Predicting subgrade resilience modulus and the Soil-Water Characteristic Curve coefficients using Artificial Neural Network model (ANN) Dr. Mena I. Souliman, Mentor
GR8	Xiaobo Lei	University of Louisiana Lafayette	Adsorption of perfluorooctanoic acid (PFOA) onto ordered mesoporous carbon (OMC) Daniel Dianchen Gang, Mentor
GR9	Anne Davenport	Texas A & M-Commerce	G1P3 (IFI6/ISG 6-16), an interferon-induced pleiotropic protein localizes into mitochondria and endomembrane system Dr. Venugopalan Cheriyaath, Mentor
GR10	Gerson Martinez Zuniga	University of Louisiana Lafayette	Adsorption of methyl mercaptan by metal-oxide base catalysts Dr. Rafael Hernandez, Mentor
GR11	Baharul Islam	University of Mississippi	Synthesis of Difluorinated Amine as a Building Block of Drug Discovery Dr. David A. Colby, Mentor
GR12	Lisa Stephanie H. Dizon	University of Louisiana Lafayette	Assessing The Influence Of Methanotrophic Growth Conditions On Methane Biocatalysis For Lipid Production Dr. Emmanuel D. Revellame, Mentor
GR13	Prashanta Kumar Acharjee	University of Texas at Tyler	International Roughness Index Prediction Model for the State of Louisiana Based on Climatic and Traffic Conditions Dr. Mena I. Souliman, Mentor

GR14	Robert Bertrand	University of Louisiana Lafayette	Mass transfer in methanotrophic bioreactors: is there a break-even point for productivity or coefficient based on critical factors of design or operation? Dr. Emmanuel Revellame, Mentor
GR15	Kristel M. Gatdula	University of Louisiana Lafayette	Comparative Assessment Between Conventional and Extractive Fermentation For Producing Butyric Acid Dr. Emmanuel Revellame, Mentor

9:15 – 10:30 am Session D: Undergraduate Poster 1: Ballroom

UG1	Mariel Olvera	Tarleton State University	Awareness of College Resources Available to Students Dr. Ebony Land and Dr. Lindsey Marek, Mentors
UG2	Aria Switzer	Lyon College	Cycles Dr. Dustyn Bork, Mentor
UG3	Ashley Watson	Arkansas State University	Assessing How a Language Barrier and money Experiences Affect Financial Literacy Dr. Phillip Tew, Mentor
UG4	Brittany Cook	Lyon College	Mindful Dr. Dustyn Bork, Mentor
UG5	Grace Lampo Vanessa Cates	Tarleton State University	Marketing of Cannabis: Theory to Practice Dr. Robert Pellegrino, Mentor
UG6	Erika McDermott	Louisiana State University Shreveport	An Analysis of Treatment Trial Components that Evoke the Term "Bribery" rather than "Reinforcement" Dr. Seth Whiting, Mentor
UG7	Maira Munoz	Tarleton State University	Food Insecurity Amongst College Students: A Mixed-Methods Study Dr. Lindsey N. Marek, Mentor
UG8	Jennifer Anderson	Louisiana State University Shreveport	Hypervigilance Among Law Enforcement Officers: High Levels and Implications on Coping Styles Dr. Tracie L. Pasold, Mentor
UG9	Malissa Harris	Tarleton State University	The Correlation between Academic Supplies and Academic Performance Dr. Ebony Lang, Mentor
UG10	Brycen Malbrough	Louisiana State University Shreveport	Neuroticism and locus of control as key factors in eating attitudes and behaviors Dr. Tracie L. Pasold, Mentor
UG11	Courtney Jett	Tarleton State University	The Awareness of Resources Available to Those Affected by Sexual Crimes Dr. Ebony Lang, Mentor

UG12	Zachary Edwards	Louisiana State University Shreveport	Post Covid-19: Functional social behaviors, neuroticism and eating attitudes and behaviors among a population of college students Dr. Tracie L. Pasold, Mentor
UG13	Kayli Rodine	Tarleton State University	The Impact of Intimate Partner Violence [IPV] Training on College Students' Level of Knowledge about IPV Dr. Ebony Lang, Mentor
UG15	Alyssa Pettit	Arkansas State University	Rural Residents, Socioeconomic Factors, and Health Literacy Dr. Philip Tew, Mentor
UG16	Felipe Trujillo-Wheeler	University of Houston at Clear Lake	Physical Demonstration with Digital Image Correlation(P-DIC) Influence Students' Learning Curves Dr. Ariful Bhuiyan, Mentor
UG17	Jade Smith	Tarleton State University	The Impacts of COVID-19 Among Students Attending a Rural University Dr. Subi Gandhi, Mentor

10:00 – 10:30 am COFFEE BREAK: First Floor Lobby

11:00 am – 12:00 pm Session E: Graduate Oral Presentations: UC Theater

11:00	Gozde Tura Phenix Philbert	University of Houston at Clear Lake	Jealousy: Tensions between academic literature and media representation Dr. Giazu Enciso Domingues, Mentor
11:15	Haley Briggs Frida Mora de Luna	University of Houston at Clear Lake	It's Not What You Think: The Complexity of Violence and Abuse in Consensual Non-Monogamy Dr. Giazu Enciso Domingues, Mentor
11:30	Martiesa Smith	Prairie View A & M University	Relationship Between Aggression And Attachment Styles Dr. Sesha Kethineni, Mentor
11:45	Morgan Brokaw	University of Houston at Clear Lake	Violence in Policing and Motive Imagery in Recruiting: Power, Achievement, and Affiliation Dr. Desdamona Rios, Mentor

11:00 am – 12:30 pm SESSION F: Graduate Oral Presentations: De Soto Room			
11:00	Mikaela Schaller	Arkansas State University	Foreign Language Education in Japan and the United States: A Comparative Study Dr. Ibrahim Duyar, Mentor
11:15	Qunisha Johnson	Tarleton State University	A Phenomenological Study Of Workplace Experiences Of Teachers Of Color In Predominantly White Districts Dr. Don M. Beach and Dr. Sharon Ross, Mentors
11:30	Oyeronke Afolabi	Arkansas State University	Cultural Identity Through Facial scarification: A Performing Tradition of the Yoruba tribe in Nigeria Dr. Gregory Hansen, Mentor
11:45	Chrystal Sapphire Dragonflame	University of Texas at Arlington	A systematic review examining the efficacy of commercially available foreign language learning mobile apps Dr. Jodi Tommerdahl, Mentor
12:00	Faisal Mohammed	Arkansas State University	Interpreting Paradoxical heritage sites of Ghana: Toward an interdisciplinary Dr. Unmasky Lauri, Mentor
12:15	Bequita Pegram	Prairie View A&M University	The Examination Of The Association Between Mentoring And University Key Performance Index In HBCUs In Texas Dr. Lisa Thompson, Mentor

11:00 am – 12:00 pm SESSION G: Undergraduate Oral Presentations: Webster Room			
11:00	Bao Nguyen	Arkansas State University	Development of Shiny App to Construct Multiple Testing Procedures Dr. Hong Zhou, Mentor
11:15	Taylor Fitterling	Lyon College	The Effects of Negative Partisanship on U.S. Political Behavior Dr. Jaeyun Sung, Mentor
11:30	Amberly Payne	Sam Houston State University	Moderating Effects of Mindfulness and Psychological Flexibility Between Neuroticism and the Perception of Stress to Improve Quality of Life Dr. Chelsea Ratcliff, Mentor
11:45	Eli Richmond	Arkansas State University	Using a GAN to produce novel fonts with optimal dyslexic readability Dr. Jake Qualls, Mentor

11:00 am – 12:15 pm SESSION H: Undergraduate Poster 2: Ballroom

UG18	Eial Marzouk	Louisiana State University Shreveport	Advance Temperatures and Stabilization Control for Glassy Polymeric Carbon Used in High Temperature Gas Cooled Reactors for Advancement of Nuclear Safety Dr. Malek Amir Abunaemeh, Mentor
UG19	Brianna Winston Kristin Smith	Northwestern State University	Aeromonas Prevalence in Natchitoches Water Ways Dr. Li Ma & Dr. Jerry Brunson, Mentors
UG20	Sameer Sapkota	University of Texas Tyler	Design and manufacture a microfluidic device for testing and validation on the controlled release of electrospun tranexamic acid loaded cellulose microfibers Dr. Shih Feng Chou, Mentor
UG21	Tyler LeBlanc Tristan Mohr Nathan Conaway Joey Taylor Rajbir Kapany	Southeastern Louisiana University	Development of a handheld scanner for identifying dorsal venous patterns Dr. YoungHo Shin, Mentor
UG22	Supriya Karki	Louisiana State University Shreveport	Developmental Stages of Olfactory Sensory Neurons in Neonatal Life vs. Adulthood Dr. Stephanie Villalba, Mentor
UG23	Anil Pournouri	Texas A & M University – Texarkana	Hypertensive Stimuli Increase Lymphangiogenesis in Human Lymphatic Endothelial Cells Dr. David Allard, Mentor
UG24	Ethan Manco	Louisiana State University Shreveport	Patterns in Electroencephalograms during Meditation Dr. Subhajit Chakrabarty, Mentor
UG25	Alberto Ponce Salvador Talavera-Mejiae	University of Houston at Clear Lake	Robotic Controlled Human Knee Simulator for Subject Specific 3D Printed Tibial Eminence Influence on Anterior Cruciate Ligament (ACL) Graft Straining Dr. Ariful Bhuiyan, Mentor
UG26	Diksha Shakya	Texas A & M University – Commerce	Role of CAV1-Rho pathway mediates G1P3-induced breast cancer cell migration Dr. Venu Cheryath, Mentor
UG27	Jordan Bradley	Jarvis Christian College	Studying the Effects of A Crude Onion Extract on MCF-7 Human Breast Cancer Cells Dr. Shakhawat Bhuiyan, Mentor
UG28	Eial Marzouk	Louisiana State University Shreveport	Temperatures Control for Fuel Barrier Production for Advancement of Nuclear Safety Dr. Malek Amir Abunaemeh, Mentor
UG29	Edgar A. Castillo	University of Houston at Clear Lake	Three Printed Biocompatible Biomedical Device Performance Testing Under Compressive Loading Dr. Ariful Bhuiyan, Mentor

UG30	Precious Fadimiroye	University of Houston at Clear Lake	UAV Assisted Pathfinding in Flooded Area Dr. Jiang Lu, Mentor
UG31	Neziah Smith Zachary Felton Jermel Quezaire Bailey Wilson Blake Walker	Copiah-Lincoln Community College	Wolbachia in <i>Ctenocephalides felis</i> Dr. Kevin McKone and Mrs. Lucy McKone, Mentors

12:30 – 1:30 pm Lunch & Keynote Speaker, UC Ballroom
A box lunch is available for all registered attendees

Dr. Cory Coehoorn, LSUS Assistant Professor & Director of the Human Performance Lab



Dr. Coehoorn will discuss LSUS's new state-of-the-art Human Performance Lab (HPL) that will provide increased research, new teaching opportunities, and community engagement. The HPL is three integrated rooms featuring cutting-edge equipment, including the only environmental chamber for human data collection in the state. The Exercise Science Lab, Motion Analysis Lab, and Motor Behavior Lab are designed to create a national resource for human performance research including assessments which measure oxygen consumption, aerobic capacity, temperature tolerance, body fat percentage, motor control, visual tracking, biofeedback, reactivity, brain activity, and more

1:30 – 3:00 pm Session I: Graduate Oral Presentations: UC Theater

1:30	Christopher Dallas Floyd	Louisiana State University Shreveport	Dying is an Art: Metaphors of Death in Plath and Sexton Dr. Elisabeth Liebert, Mentor
1:45	John Giddings	Louisiana State University Shreveport	An Interdisciplinary Approach to William Carlos Williams Dr. Elisabeth Liebert, Mentor
2:00	Amber Kinui	University of Texas	Audre Lorde and Morgan Parker's Poetry as a Repositioning of the Black Archive Dr. Lisa Moore and Dr. Helena Woodard, Mentors
2:15	Natalie Bianco	Louisiana State University Shreveport	How the US Women's Soccer Team are Pushing for Gender Equality in Sports Dr. Elisabeth Liebert, Mentor

1:30 – 3:00 pm Session J: Undergraduate Oral Presentations: De Soto Room			
1:30	Reece Maguire	Centenary College	Making a Monster: Mary Shelley's Feminine Touch
1:45	Nicholas Pierce	University of Texas	The Emptying of the Plains: The Comanche and Kalmyk Nomads in the Shadow of Empire
2:00	Samantha Abate Ray	Louisiana Christian University	"A & P": A Clash Between Decades Dr. Jeannie Gauthier and Dr. Lillian Purdy, Mentors
2:15	Elektra Celestial Jordan	Texas State University	Enforcing That "Right" Matters Here: Utilizing Articles 133& 134 of the U.C.M.J. to Enforce Ethical Conduct Within the United States Military Dr. Lonnie Olson, Mentor
2:30	Bethany Nichols	Louisiana Christian University	Benefits of Colonialism in Kipling's India Dr. Jeannie Gauthier, Mentor

3:00 – 3:30 pm Networking and Open Poster: UC Ballroom

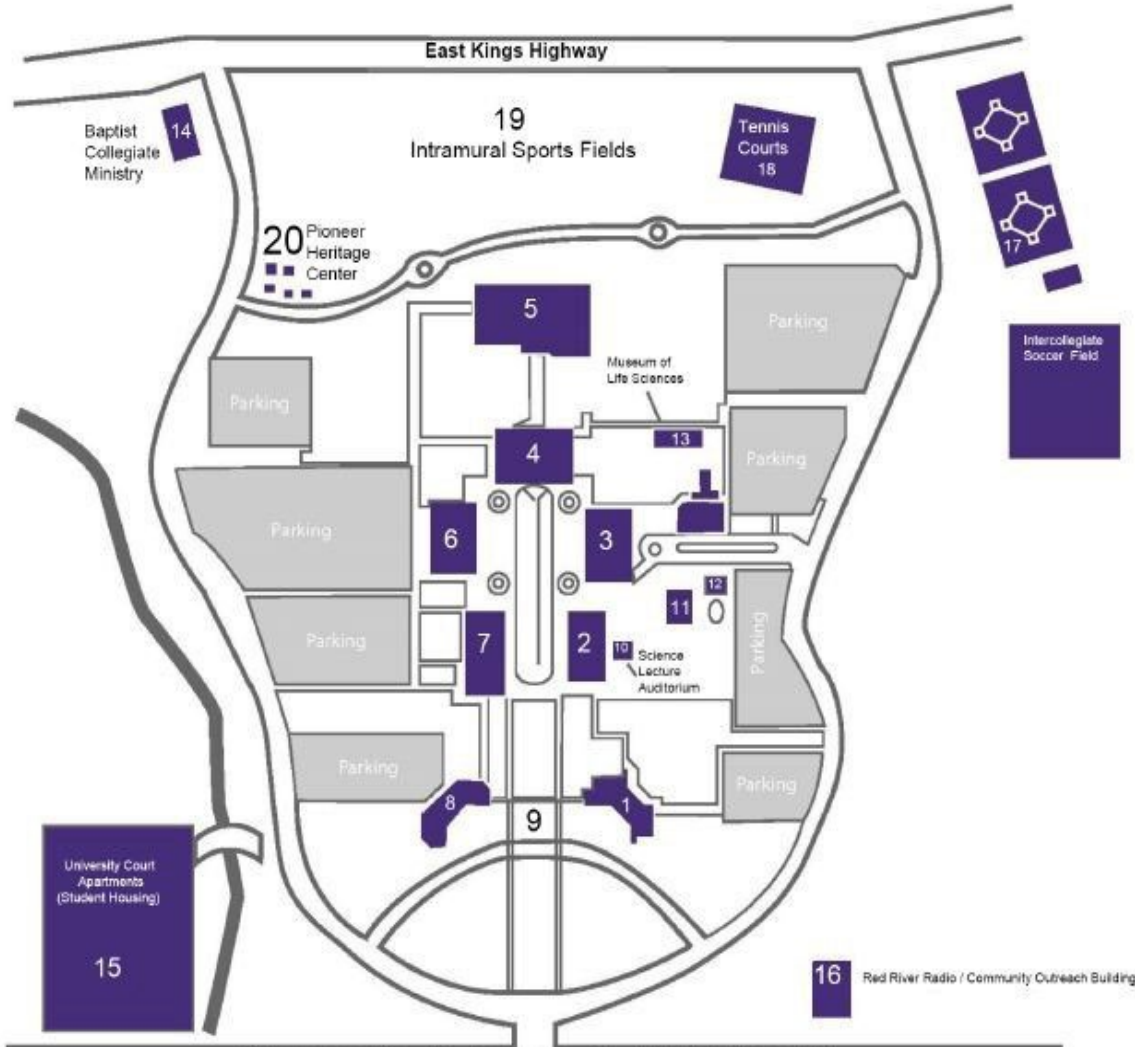
3:00 – 3:30 pm Awards Ceremony: UC Theater

[Planning Committee Members](#)

- Dr. Sanjay Menon –Professor of Management and Dean of Graduate Studies
- Dr. Elisabeth Liebert – Professor of English and Associate Dean, College of Arts & Sciences
- Dr. Stephen Banks – Professor of Biological Sciences
- Dr. Kevin Jones – Professor and Director of the Graduate Program in Psychology
- Dr. Helen Taylor – Provost and Vice Chancellor for Academic Affairs
- Ms. Amanda Lewis – Director of Sponsored Research & Technology Transfer



LSUS



Youree Dr. / LA Hwy. 1 (8500 Block)

- 1 - Administration Building
- 2 - Science Building
- 3 - Technology Center / Vet Resource / Cyber Collab
- 4 - University Center / Barnes Noble Bookstore
- 5 - Health & Physical Education
- 6 - Business & Education
- 7 - Bronson Hall
- 8 - Noel Memorial Library / Student Success Center
- 9 - Circle of Excellence Plaza
- 10 - Science Lecture Auditorium
- 11 - Central Utility Plant

- 12 - Physical Plant / Facility Services
- 13 - Museum Of Life Sciences
- 14 - Baptist Collegiate Ministry
- 15 - University Court Apartments / Student Housing
- 16 - Red River Radio / Community Outreach Building
- 17 - Pilot Baseball Field
- 18 - Tennis Courts
- 19 - Intramural Sports Fields
- 20 - Pioneer Heritage Center
- 21 - Red River Watershed Management Institute

LSUS 7th Annual Regional Student Scholars Forum

Quick Reference Schedule

8:00-8:45 Registration – UC Lobby

8:30-8.45 Judges and Moderators Meeting – UC Captains Room (First Floor)

8:45-9:05 Welcome and Orientation – UC Theater

9:15-10:30 MORNING SESSION I

Session	Title	Location
A	Graduate Student Oral Presentations	UC Theater
B	Undergraduate Student Oral Presentations	UC DeSoto Room
C	Graduate Student Posters	UC Caddo Bossier Room
D	Undergraduate Student Posters 1	UC Ballroom

10:30-11:00 Coffee Break – UC Lobby

11:00-12:30 MORNING SESSION II

Session	Title	Location
E	Graduate Student Oral Presentations	UC Theater
F	Graduate Student Oral Presentations	UC DeSoto Room
G	Undergraduate Student Oral Presentations	UC Webster Room
H	Undergraduate Student Posters 2	UC Ballroom

12.30-1.30 Lunch – UC Ballroom (complementary for registered attendees)

1:30-3:00 AFTERNOON SESSION

Session	Title	Location
I	Graduate Student Oral Presentations	UC Theater
J	Undergraduate Student Oral Presentations	UC DeSoto Room

3:00-3:30: Networking Break & Open Poster Session – UC Ballroom

3:30-4:00 Awards Ceremony – UC Theater