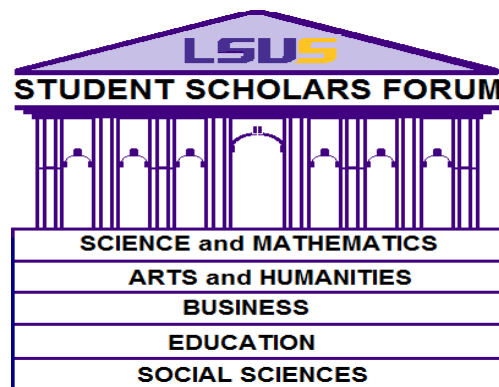




# **8<sup>th</sup> ANNUAL REGIONAL STUDENT SCHOLARS FORUM**

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**February 17, 2023**



**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 Pilots Room (UC 221, Second Floor)

**8:45 – 9:05 am Welcome and Orientation**  
Dr. Helen Taylor, LSUS Provost & Vice Chancellor for Academic Affairs

<b>9:15 am – 10:30 am Session A: Graduate Oral Presentations 1: Webster Room</b>			
9:15	Hari Lal Kharel	Lamar University	Bioremediation of Cadmium Using <i>Galdieria sulphuraria</i> Dr. Thinesh Selvaratnam, Mentor
9:30	Vir Sagar	Louisiana Tech University	Use of Urea as an Alternative to Synthetic Plasticizer for Space Exploration Settlements Dr Joan Lynam, Mentor
9:45	Maureen Okafor	Louisiana State University Shreveport	A Presentation of a GIS Mapping for All Nonprofits In Louisiana
10:00	Utsab Subedi	Louisiana State University Health Sciences Center Shreveport	Role of Autotaxin in Vascular Remodeling and Restenosis Dr. ManiKandan Panchatcharam, Mentor
10:15	Reham Mohamed	University of Texas at Tyler	Cellulose Materials for Drug Delivery Applications Dr. Shih-Feng Chou, Mentor

<b>9:15 am – 10:30 am Session B: Undergraduate Oral Presentations 1: De Soto Room</b>			
9:15	Delaina Walley	Louisiana Christian University	Edmund Spenser and Classical Art Dr. Jeannie Gauthier, Mentor
9:30	Brittney Bostian	University of Arkansas at Monticello	Shakespeare and the Ethics of War Dr. Kay Walter, Mentor
9:45	Whitney Shelton	Sam Houston State University	The Historical Plight of Black Birthing Mothers in America Dr. Scottie Buehler, Mentor
10:00	Destiny Forrest	University of Arkansas at Monticello	"A Man's a Man For A' That" and "The Lay of the Last Minstrel": Dr. Kay Walter, Mento, Mentor
10:15	Samantha Ray	Louisiana Christian University	Moby-Dick: Foreshadowing and Symbolism Fuse to Convey Melville's Warning Against Human Intrusion in Nature Dr. Jeannie Gauthier, Mentor

**9:15 am – 10:30 am Session C: Graduate Poster 1: Caddo Bossier Room**

GR1	Casey Grinder	Arkansas State University	Examining the Effectiveness of Marzano Teaching Strategies on Student Engagement in Secondary Level ELA Classes Dr. Ibrahim Duyar, Mentor
GR2	Jasmyn Davenport	Louisiana State University Shreveport	Improving the Classroom Engagement of a High-Need Student Using Differential Reinforcement Dr. Steven Powell, Mentor
GR3	Shawanda Burks; Brianna Brown; Elaine Lemieux; Brandon Rainwater; Chloe Suire	Louisiana State University Shreveport	A Silent Epidemic: Mental Health as a Predictor of Suicide among Asian American Young Adults Dr. Dr. Kacie Blalock, Mentor
GR4	Joseph Kalita	Loyola University New Orleans	Dying to Talk to Someone: Discussing Suicidality in the Therapy Room Dr. Denise Gilstrap
GR5	Marisa Salgueiro	University of Texas	Barriers to the Integration of Mental Health and Primary Care Dr. Cara Young, Mentor
GR6	Pratik Lama	University of Texas at Tyler	Rutting Prediction Model based on Environmental and Traffic Condition on Texas State Using Artificial Neural Network Dr. Mena I. Souliman, Mentor
GR7	Aalok Sharma Kafle	Lamar University	Comparison of Annual Maximum Series and Peak Over Threshold for Estimating Flood Return Period in SE Plains Ecoregion Dr. Venkatesh Uddameri, Mentor
GR8	Rami Khalifah	University of Texas at Tyler	Development of Prediction Model for Rutting Depth Using Artificial Neural Network Dr. Mena I. Souliman, Mentor
GR9	Dylan Roberts	Louisiana State University Shreveport	"Development of a Laboratory Exercise to Investigate the Mathematical Relationships of the Buoyancy Compartments Inside the Shell of <i>Nautilus pompilius</i> " Dr. Stephen Banks, Mentor
GR10	Dylan Roberts	Louisiana State University Shreveport	Development of Therapeutic Drugs for Alzheimer's Disease Dr. Santosh D'Mello, Mentor
GR11	Prashanta Kumar Acharjee	University of Texas at Tyler	Dynamic Shar Modulus and Phase Angle Prediction Model for Modified Binder Using Artificial Neural Network (ANN) Dr. Mena I. Souliman, Mento

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

UG1	Phoebe Norrell	University of Arkansas at Monticello	Poison Apples: The True Death of Reverend Dimmesdale in The Scarlet Letter Dr. Kay Walter, Mentor
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UG2	Julia Fincher	Tarleton State University	Marketing of Cannabis Over the Years Dr. Robert Pellegrino, Mentor
UG3	Carley Welborn	University of Texas at Tyler	Examining the Role of Passion in Students' Engagement and Dropout Intentions Dr. Christopher Thomas, Mentor
UG4	Bonnie Large	Tarleton State University	Perceptions and Attitudes of Phage Therapy Among US Providers and Their Willingness to Adopt Such Therapy for Treating Antibiotic Resistant Infections Dr. Subi Gandhi, Mentor
UG5	Sophia West	Concordia University	Game Theory and Survival Strategies of Animal Behavior Dr. Bruce Reese, Mentor
UG6	Alexandra Tobar-Flores, Robin Afshar, Emily Allday, Mattie Mcquary, Angel Steele	Tarleton State University	Lack of Awareness of the Long-Term Care Ombudsman Program Dr. Lindsey N. Marek, Mentor
UG7	Ravon Nicco Davis	Concordia University	Traffic Stops: Relations of Socioeconomic Status to Police Judgement and Behavior Dr. Bruce Reese and Dr. Monica Yndo, Mentors
UG8	Breanna Hippler Victoria Godfrey	Louisiana State University Shreveport	The Influence of Social Functioning on Quality of Life and the Potential Moderating Role of Coping Style Dr. Tracie Pasold, Mentor
UG9	Alex Raines	University of Arkansas at Monticello	An Out-of-Body Shipwreck Dr. Kay Walter, Mentor
UG10	Isabella Brown	Centenary College	Human Anatomy and Diverse Anatomical Models Dr. Anna K. Leal, Mentor
UG11	Jazmine Carroll	Centenary College	Diversifying Anatomical Models Dr. Anna Leal, Mentor

**10:30 am – 11:00 am COFFEE BREAK: UC Ballroom**

**11:00 am – 12:00 pm Session E: Graduate Oral Presentations 2: DeSoto Room**

11:00	Brian Sivils	University of Louisiana at Monroe	"Egyptian Funerary Formula": The Use of Memorization Tools and Multiple Disciplines in Higher Education Dr. Monica Bontty, Mentor
11:15	Madelyn Arender	University of Louisiana at Monroe	Modernist Marlow Dr. Jana Giles, Mentor
11:30	Natalia Muller	Louisiana State University Shreveport	Eyes Of A Soldier: The Story of E.F. Jemison Dr. Gary Joiner, Mentor

11:45	Jonathan Gregg Sandahl	University of Louisiana at Monroe	Dorothea and her Husbands: The Sublime and Picturesque in Middlemarch Dr. Jana Giles, Mentor
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**11:00 am – 12:30 pm SESSION F: Graduate Oral Presentations 3: Webster Room**

11:00	Diala Bani Mustafa	University of Texas at Tyler	Electrospun Blend PCL/PEO Microfibers for Topical Drug Delivery Applications Dr. Shih-Feng Chou, Mentor
11:15	Ms. Shilpa Thota	Southern University and A&M College	Pentachlorophenol Induced Inflammation and Autophagy: Role of Epigenetic Factors Dr. Sanjay Batra, Mentor
11:30	Rachel Shai Emerine	University of Texas at Tyler	Electrospun Polymer Fibers for Delivery of Slightly and Poorly Water-Soluble Drugs Dr. Shih-Feng Chou, Mentor
11:45	Rizwana Begum	Southern University and A&M College	Targeting Lipid Rafts to Mitigate E-Cigs Condensate-Induced Inflammation
12:00	Arip Nur	Lamar University	Integration of SAR, GIS, and Deep Learning Techniques to Map Wildfire Susceptibility in Plumas National Forest, California Dr. Yong Je Kim, Mentor
12:15	Stacey Wright Kimberly Amady-Syd	Sam Houston State University	A School-based Virtual Hearing Conservation Intervention for Teen Farmers in Rural Texas Dr. Khalid M. Khan, Mentor

**11:00 am – 12:00 pm SESSION G: Undergraduate Oral Presentations 2: Red River Room**

11:00	Alyssa Pettit	Arkansas State University	Correlating Patterns Between College Students' Socioeconomic Backgrounds and Health Literacy Dr. Philip Tew, Mentor
11:15	Azucena Cuevas, Desiree A. Martinez, and Adelaido C. Reyna	St. Mary's University	School District Websites: Serving the Mental Health Needs of La Raza or Just Another Missed Opportunity? Dr. Rick Sperling, Mentor
11:30	Kaitlyn Farr	Henderson State University	Secret Squirrel and Blue Lagoon Caves: Unique Microbial Systems in Central Tennessee Provide Potential New Models for Life on Mars. Dr. James Engman, Mentor
11:45	Kaia Young	University of Arkansas at Monticello	Contagious Obsession, Jealousy, and Heartbreak in Tristan and Isolde Dr. Kay Walter, Mentor

<b>11:00 am – 12:30 pm    SESSION H: Graduate Poster 2: UC Caddo Bossier Room</b>			
GR12	Ranjeeth Reddy Kondati	Southern University and A&M College	TCHQ and PCP Differentially Regulate Inflammatory, Apoptotic, and Autophagy Mediators in Lung/Liver Epithelial Cells Dr. Sanjay Batra
GR13	Mickilee Ver Steeg	Texas A&M University-Commerce	Disrupted RAS-MAPK Signaling Confers Growth Factor Independence In Erythroleukemia Cell Line UT-7 Dr. Venugopalan Cheriyaath, Mentor
GR14	Dhruthi Mutyala	Southern University and A&M College	Dysregulated Proteostasis Mechanisms in E-Cigs Vapor condensate Challenged Lung Epithelial Cells. Dr. Sanjay Batra, Mentor
GR15	Diksha Shakya	Texas A&M University-Commerce	G1P3 Promotes the Association of Rab5 Positive with Mitochondria in Breast Cancer Cells Dr. Venugopalan Cheriyaath, Mentor
GR16	Nandini Bidarimath	Southern University and A&M College	Possible Role of RPS6 in SUMO-Dependent Regulation of Cell Survival and Death Processes During DPE-Exposure Dr. Sanjay Batra, Mentor
GR17	Luis A. Pena Marquez	Louisiana State University Shreveport	Deep Learning for Complete Blood Cell Count Dr. Subhajit Chakrabarty, Mentor
GR18	Musfikur Rahaman	Arkansas Tech University	Programming Sequence Improvement Program (PSIP) Dr Robin Ghosh. Mentor
GR19	Fabian Okafor	Louisiana State University Shreveport	Predicting Mortality in Breast Cancer Patients in Louisiana using K-Nearest Neighbors (KNN) Machine Learning Model Dr. Cvek Urska, Mentor
GR20	Abu Akid	Arkansas State University	Effect of Waste Tire Rubber on the Fresh Properties Of Concrete Dr. Zahid Hossain, Mentor
GR21	Kushum K C	Lamar University	Resiliency: Mining for the Truth Dr. E. Annette Hernandez, Mentor

<b>11:00 am – 12:30 pm    SESSION I: Undergraduate Poster 2: Ballroom</b>			
UG12	Trinity Campbell	Texas A&M University-Commerce	Fetal Bovine Serum Alternative in Culturing Hormonal-Dependent Human Cells Dr. Venugopalan Cheriyaath, Mentor
UG13	Madison McMullen	Louisiana State University Shreveport	A Specific Gravity and Refractive Index Study of Rosemary in Ethanol Extracts Dr. Elizabeth Zippi, Mentor
UG14	Madison McMullen	Louisiana State University Shreveport	Specific Gravity and Refractive Index Studies of <i>Salvia rosmarinus</i> in Ethanol Dr. Elizabeth Zippi, Mentor
UG15	Madelyn Terrell	Texas A&M University-Commerce	G1P3-induced Cav1 Promotes Breast Cancer Cell Migration Through ROCK Pathway Dr. Venugopalan Cheriyaath, Mentor



UG16	Kristin Smith	Northwestern State University	Aeromonas spp. Prevalence in Natchitoches, LA Waterways Dr. Li Ma and Dr. Jerry Brunson, Mentors
UG17	Madison Furton, Sadie Parker	Texas A & M University - Texarkana	Risk Factors of ACL Injury Among Female Athletes in Non-Contact Team Sports: A Systematic Review Dr. Shihui Chen, Mentor
UG18	Devon Salvaterra	Louisiana State University Shreveport	The Effect of Nitrogen Fertilizer on Chia Growth Dr. Amy Anne Erickson, Mentor
UG19	Hailey Brokenberry	Louisiana State University Shreveport	The Effects of Potential Therapeutic Drugs in Cell Culture Models of Parkinson's Disease Dr. Santosh D'Mello, Mentor

**12:30 pm – 1:30 pm**

**Lunch & Keynote Speaker, UC Ballroom**

A box lunch is available for all registered attendees.

**Dr. Urska Cvek**, [Lisa Burke Bioinformatics Endowed Professor](#)

[Co-Director, Laboratory for Advanced Biomedical Informatics](#)



Urska Cvek is Professor of Computer Science at LSUS, where she holds the Lisa Burke Bioinformatics Endowed Professorship. She received her Bachelor's in Economics degree from University of Ljubljana, Slovenia (1995). She discovered her passion for computing while pursuing her graduate Business Administration degree at University of Massachusetts Lowell where she was awarded her M.B.A. (1997) and Doctor of Science in Computer Science (2004) degrees. Prior to joining LSUS, she co-founded Anvil, Inc., a data visualization company, and worked as a research assistant at the Institute for Visualization and Perception Research and Center for Family, Work and Community at UMass Lowell.

**1:30 pm – 3:00 pm**

**Session J: Graduate Oral Presentations 4: Webster Room**

1:30	Lawrence Ogbeifun	University of Mississippi	Two illustrations of the Quantity Theory of Money: A Restatement Dr. Joshua Hendrickson, Mentor
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1:45	Grant Coleman	Louisiana State University Shreveport	"Socialism: From the Bible to the French Revolution" Dr. Evan Reibsome, Mentor
2:00	Jenny Watkins	Arkansas State University	Influence of Organizational Constraints and Principals' Authentic Leadership on Teachers' Psychological Well-being Dr. Ibrahim Duyar, Mentor
2:15	Jordan Wilburn	Northwestern State University	Child sexual grooming effects on anxiety, depression, and trust in college students Dr. Cynthia Lindsey, Mentor
2:30	Avery Rumsey	Stephen F. Austin State University	A Systematic Review Examining the Effectiveness of Grief Therapy in Dealing with Loss Dr. Stephanie Washington, Mentor

**1:30 pm – 3:00 pm Session K: Undergraduate Oral Presentations 3: De Soto Room**

1:30	Sara Orellana	University of Texas at Tyler	"Have a Drink of Culture": The Issue of Alcoholism in Native Communities Portrayed in Literature Dr. Anett Jessop, Mentor
1:45	Katie Vermilyea	University of Arkansas at Monticello	The Oppression of Women and Violation of Human Rights in Titus Andronicus Dr. Kay Walter, Mentor
2:00	Lauren Polson	University of Louisiana at Monroe	The Socialist Ideologies Expressed in Carter's The Bloody Chamber Dr. Jana Giles, Mentor
2:15	Madison Isenberg	University of Texas at Tyler	Volksdrogen: The Third Reich Powered by Methamphetamine Dr. Mandy Link, Mentor
2:30	Azylah Gardner	University of Louisiana at Monroe	Anna Barbauld: Proto-Feminism Dr. Jana Giles, Mentor
2:45	Ariene Thompson	University of Arkansas at Monticello	The Sinful Transformations in The Scarlet Letter Dr. Kay Walter, Mentor

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

**3:30 pm – 4:00 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

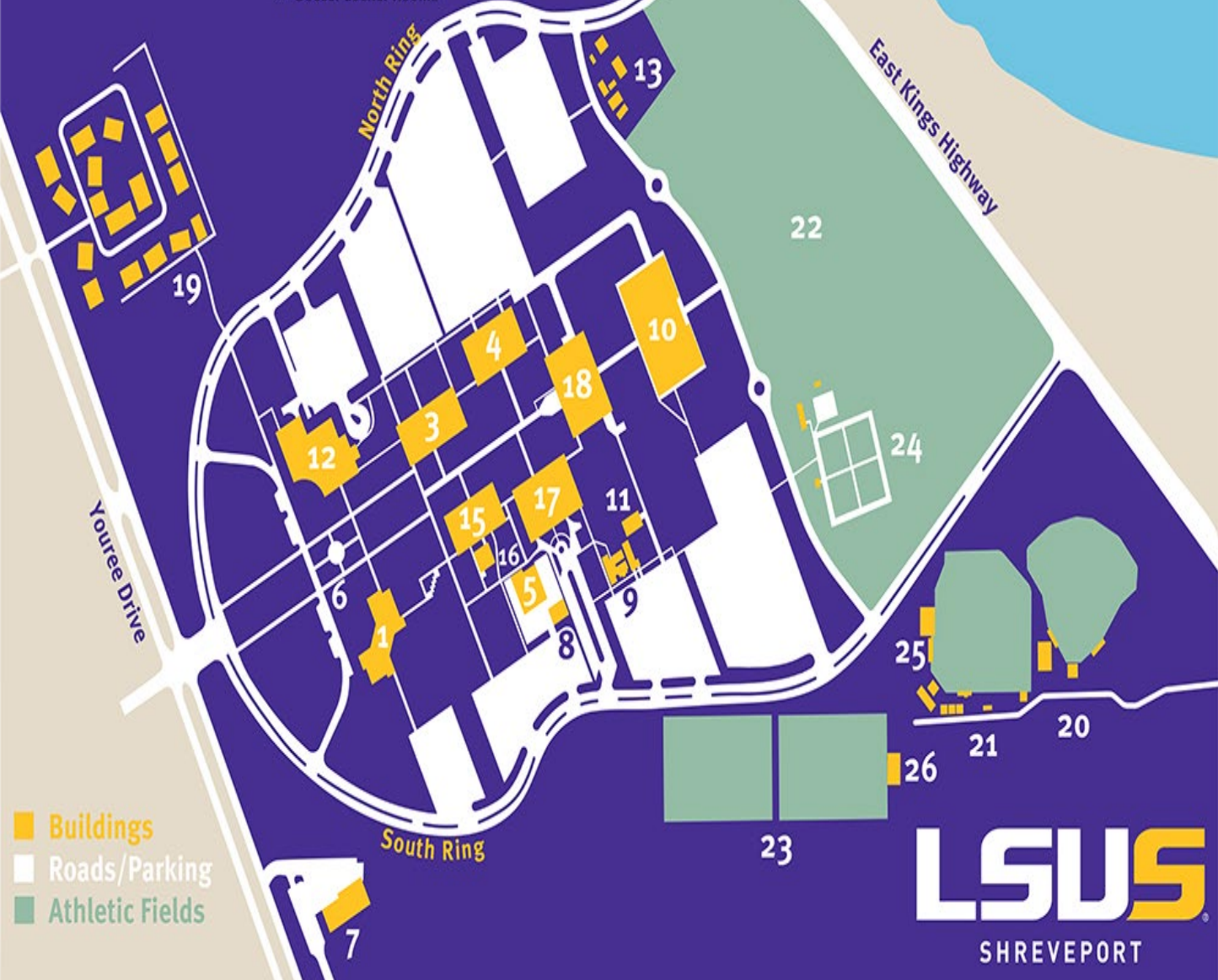
Dr. Stephen Banks – Professor of Biological Sciences

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

- 1 Administration Building
  - 2 Baptist Collegiate Ministry
  - 3 Bronson Hall
  - 4 Business & Education Building
  - 5 Central Plant
  - 6 Circle of Excellence
  - 7 Community Outreach Building/  
Red River Radio
  - 8 Facility Services
  - 9 Fine Arts Buildings
  - 10 Health & Physical Education
  - 11 Museum of Life Sciences
  - 12 Noel Memorial Library
  - 13 Pioneer Heritage Center
  - 14 Red River Watershed Management Institute
  - 15 Science Building
  - 16 Science Lecture Auditorium
  - 17 Technology Center
  - 18 University Center
  - 19 Pilots Pointe Apartments
- ATHLETIC COMPLEX**
- 20 Byrd Field
  - 21 Pilots Baseball Field
  - 22 Recreational Sports Field
  - 23 Soccer Fields
  - 24 Tennis Courts
  - 25 Baseball Clubhouse
  - 26 Soccer Locker Rooms



- Buildings
- Roads/Parking
- Athletic Fields

**LSUS**  
SHREVEPORT

# LSUS 8<sup>th</sup> Annual Regional Student Scholars Forum

## Quick Reference Schedule

**8:00 am – 8:45 am Registration – UC Lobby**

**8:30 am – 8:45 am Judges and Moderators Meeting – UC Pilots Room (Second Floor)**

**8:45 am – 9:05 am Welcome and Orientation – UC Theater**

**9:15 am – 10:30 am MORNING SESSION I**

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

**10:30 am – 11:00 am Coffee Break – UC Ballroom**

**11:00 am – 12:30 pm MORNING SESSION II**

Session	Title	Location
E	Graduate Student Oral Presentations 2	UC DeSoto Room
F	Graduate Student Oral Presentations 3	UC Webster Room
G	Undergraduate Student Oral Presentations 2	UC Red River Room
H	Graduate Student Posters 2	UC Caddo Bossier Room
I	Undergraduate Student Posters 2	UC Ballroom

**12:30 pm – 1:30 pm Lunch – UC Ballroom (complimentary for registered attendees)**

**1:30 pm – 3:00 pm AFTERNOON SESSION**

Session	Title	Location
J	Graduate Student Oral Presentations 4	UC Webster Room
K	Undergraduate Student Oral Presentations 3	UC DeSoto Room

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

**3:30 pm – 4:00 pm Awards Ceremony – UC Theater**