

Summary Program

Friday, February 27, 2009

7:45-10:30
Student Union Ballroom

Registration

8:10-8:20
Student Union Ballroom

Welcoming Remarks

Dr. Daniel McCarthy, Dean, College of Science and Technology

8:30-10:30
Student Union 221
Student Union 223
Student Union 227
Student Union 228
Student Union 229
Student Union Theater
Student Union Ballroom

Session I

Botany/Agriculture, Forestry, and Wildlife
Molecular and Biomedical Biology
Best Undergraduate Student Paper (Oral Presentations)
Zoology I
Social Sciences I
Best Graduate Student Paper (Oral Presentations)
Morning Poster Session:
Environmental Sciences; Microbiology; Chemistry; Physics; Best Undergraduate Student Paper (Poster Presentations);
Best Graduate Student Paper (Poster Presentations)

10:45-11:45
Student Union Theater

Keynote Address

12:00-1:15
Twelve Oaks

Luncheon and Business Meeting

All registered conference attendees are invited to attend and participate

1:30-3:30
Student Union 221
Student Union 223
Student Union 227
Student Union 228
Student Union 229
Student Union Theater
Student Union Ballroom

Session II

Higher Education
Environmental Sciences
Physics
Microbiology
Social Sciences II
Chemistry I
Afternoon Poster Session:
Agriculture, Forestry, and Wildlife; Botany; Molecular and Biomedical Biology; Zoology; Computer Science; Materials Science and Engineering; Math & Statistics; Social Sciences

3:45-5:00
Student Union 221
Student Union 223
Student Union 227
Student Union 228
Student Union 229
Student Union Theater

Session III

K-12 Education
Graduate School Admission Panel Discussion
Math & Statistics/Computer Science
Zoology II
Social Sciences III
Chemistry II/Materials Science and Engineering

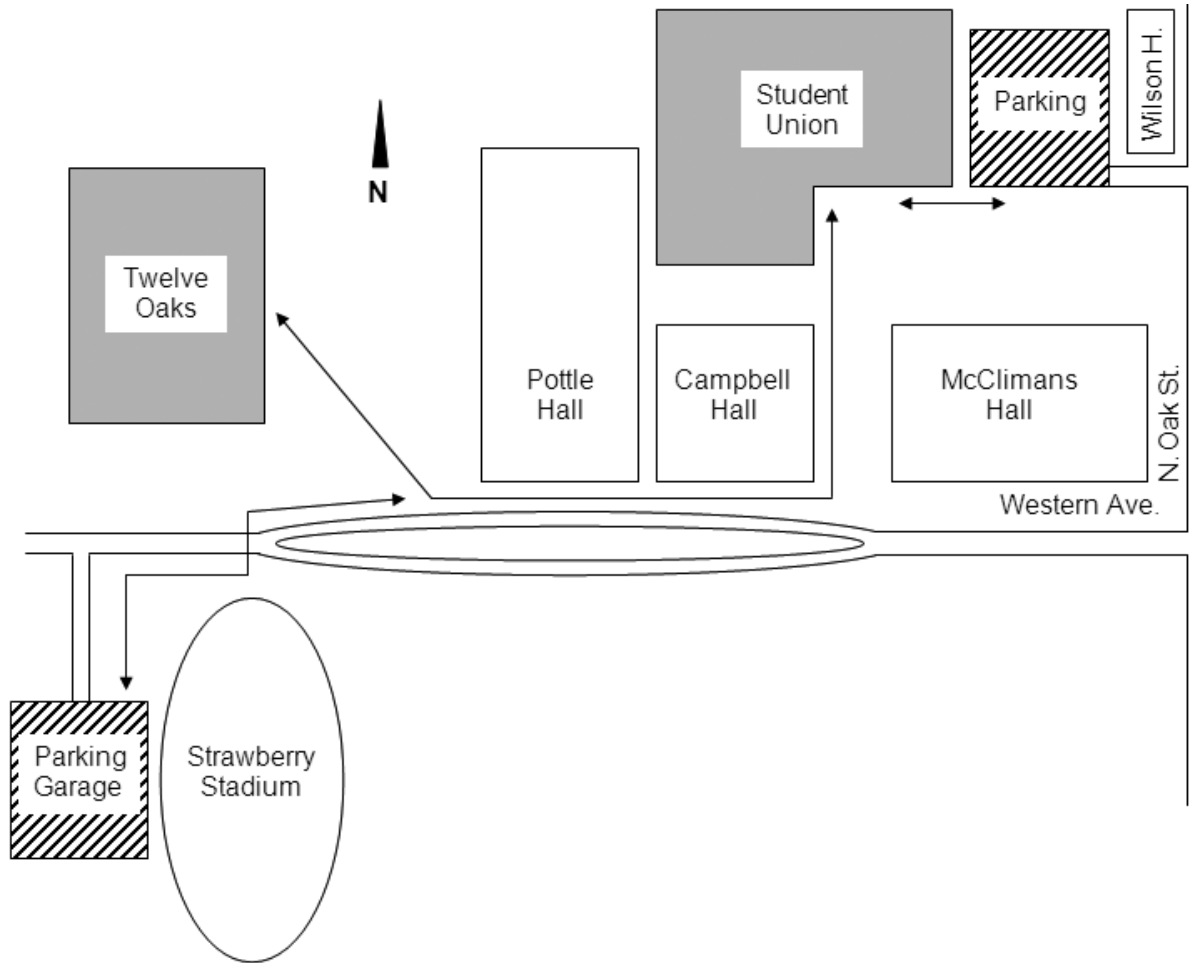
Saturday, February 28, 2009

9:30-1:00

Field Trip of Manchac Wetland Ecosystem

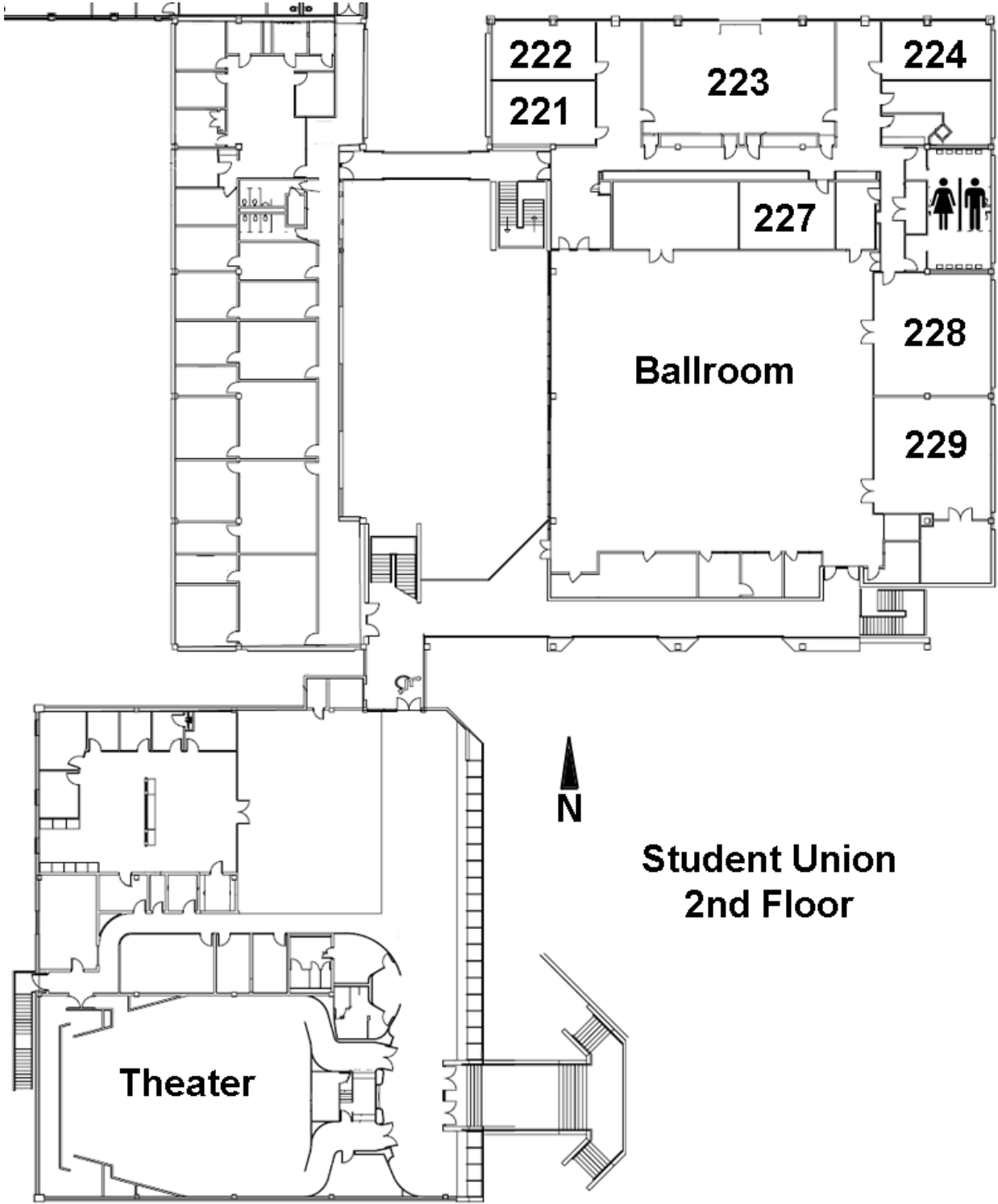
Venue Information

Conference Buildings



Venue Information

Conference Rooms



Session I

Botany

Student Union Room 221

Presiding: Dr. Alex Lasseigne

- 8:30-8:45 *Lasseigne, Alex. NiSU*
Damage to the Morganza to the Gulf Hurricane Protection Levee by hurricanes Gustav and Ike

Agriculture, Forestry, and Wildlife

Student Union Room 221

Presiding: Dr. Alex Lasseigne

- 8:45-9:00 *Adkisson, K., A. Ferrara, Q. Fontenot, S. Burke, and O. Smith. NiSU*
Effects of hurricanes Gustav and Ike on zebra mussels in Bayou Lafourche, Louisiana
- 9:00-9:15 *Strimbu, B., D. Long, W. Palmer, D. Brown, C. Smith, R. McCoy and M. Dillon. LTU*
Mapping the future landscape for two southwestern Louisiana parishes
- 9:15-9:30 *Wilkerson, D. and A. Brown. SU-BR*
The economic implications of climate change on agricultural finance, forestry & wildlife
- 9:30-9:45 *Clay, T.A., M.D. Suchy, W.J. Lorio, A.M. Ferrara, and Q.C. Fontenot. NiSU*
Aquaculture of alligator gar *Atractoseus spatula* in recirculating systems
- 9:45-10:00 *Mack, J. LTU. S. Strimbu. Univ. of British Columbia. B. Strimbu, M. Gibson and G. Grozidts. LTU*
Development and use of a simple fiber length measurement system
- 10:00-10:15 *Weatherspoon, J. SU-BR*
The effects of crawfish waste meal as a comparison piglet feed

Molecular and Biomedical Biology

Student Union Room 223

Presiding: Dr. Ann Findley

- 8:30-8:45 *Antwi, J., and Bossart, J. Southeastern*
Influence of forest fragmentation on the genetic diversity of nymphalid butterflies

- 8:45-9:00 *Bachawal, S.V., V.B. Wali, and P.W. Sylvester. ULM*
Enhanced antiproliferative response to combined gama-tocotrienol and erlotinib or gefitinib treatment in mammary tumor cells
- 9:00-9:15 *Thomas-Porch, C., SUBR*
Identification of protein biomarkers in prostate cancer cells using 2-dimensional analysis
- 9:15-9:30 *Udofa, A.B. Baton Rouge Magnet High School. S.C. Cosenza and E.P. Reddy. Fels Institute for Cancer Research and Molecular Biology, Temple University School of Medicine, Philadelphia*
Further analysis of the biological effect of FRI-178, a cancer cell growth inhibitor, in its disruption of chromosomal attachment to microtubules
- 9:30-9:45 *Gissendanner, C.R. ULM*
The nematode spermatheca: a new model system for investigating the genetic regulation of organogenesis

Best Undergraduate Student Paper (Oral Presentations)

Student Union Room 227

Presiding: TBD

- 8:30-8:50 *Lanier, M. L., J. Dinser, R. Weber, T. Sommerfeld, D. Dolliver. SLU. A. McKim Gaylord Chemical Company LLC*
Reactions of o-alkylarylhydroximoyl azides in electrophilic media
- 8:50-9:10 *Becnel, M.L. and E. Zou. NiSU*
Is the molting hormone involved in regulation of glucose homeostasis in the fiddler crab, *Uca pugilator*?
- 9:10-9:30 *Walker, N. and R. Boopathy, NiSU*
Bio-Ethanol Production from Post-Harvest Agricultural Residues
- 9:30-9:50 *Durriseau, J. A. SU-BR*
The impact of observing animated agent affect on learning

Zoology I

Student Union Room 228

Presiding: Dr. Jonathan Akin

- 8:30-8:45 *Falconi, R., C. Monroe, and M. Merchant. McSU*
Characterization of dipeptidyl peptidase IV enzyme activity in the serum of the American alligator (*Alligator mississippiensis*)
- 8:45-9:00 *Heard, K., K. McFatter, A. Mishra, and M. Merchant. McSU*
Effects of Hurricane Ike storm surge on alligators in coastal marshes
- 9:00-9:15 *Maccha, V., and M. Merchant. McSU*
Isolation and N-terminal sequence of a mannan-binding protein from serum of the American alligator (*Alligator mississippiensis*)
- 9:15-9:30 *Ly, V.H. and E. Zou. NiSU*
Carbonic anhydrase activity in the epidermis of the fiddler crab, *Uca pugilator*, during the molting cycle
- 9:30-9:45 *Hollis, J. and J. Akin. NSU*
Behavioral physiology in the ground skink
- 9:45-10:00 *Vidrine, M.F., J. Cordes, D. Jariel, M. Bastion-Stanford, S.R. Hazelton-Robichaux, and J. Hamlin. LSU-E*
The status of the genus *Unionicola* Haldeman 1842 (Acari: Unionicolidae: Unionicolinae)

Social Sciences I

Student Union Room 229

Presiding: Dr. Alma Thornton

- 8:30-8:45 *Borne, Meghan, SUBR*
The effect of cultural misorientation on skin tone and physical characteristic preferences among African American college students
- 8:45-9:00 *King, Kellie T., SUBR*
The effects of an author's gender and race on the likeability of a poem
- 9:00-9:15 *Felicia Bennett, SUBR*
Overweight and obesity among children in the United States
- 9:15-9:30 *Johnson, Melanie, SUBR; Sullivan, J., LSU*
Race is on my mind: explaining Black voter's political attraction to Barack Obama

9:30-9:45 *Jones, Q.K. SUBR*
The relationship among household structure, parental involvement, and early sexual behavior in African American adolescents

Best Graduate Student Paper (Oral Presentations)

Student Union Theater

Presiding: Dr. Melba Horton

- 8:30-8:50 *Raynor, E.J., A.R. Pierce. NiSU. C. Leumas, and F. C. Rowher. LSU-BR*
Breeding waterbird use and hatching success of three colonial seabirds on Louisiana's barrier islands
- 8:50-9:10 *Mathis, K.W. and P.E. Molina. LSU Health Sciences Center-New Orleans*
Acetylcholinesterase inhibitor improves survival from hemorrhage in rodents
- 9:10-9:30 *Steven Baker¹, Bala "Ramu" Ramachandran² and Pedro Derosa¹, (1)Institute for Micromanufacturing, LTU, (2)Chemistry, LTU*
Selective Complexation of Alkali Metal Cations with Calix[4]Crowns in Aqueous Media: A Density Functional Theory Study
- 9:30-9:50 *Suchy M.D., T.A. Clay, W.J. Lorio, A.M. Ferrara, and Q.C. Fontenot. NiSU*
Effects of salinity on growth and plasma osmolality of juvenile alligator gar *Atractosteus spatula*

Morning Poster Session

Student Union Ballroom

Environmental Sciences

1. *Reed, C.L., F. Boone, and G. Zumwalt. LTU.*
Efficacy of sparged ozone in the remediation of *Microcystis* (blue green algae)
2. *Haymore, W., and W.C. Dorsey, GSU*
Mitogen-activated protein kinase pathway implicated by the expression of c-fos gene protein in AML 12 mouse hepatocytes exposed to pentachlorophenol
3. *Laborde, J. and Allen J. Louisiana State University at Alexandria*
Monitoring of pH and temperature with seasonal changes of an isolated pond

Microbiology

4. Childers, G.W. and C.J. Schulz. Southeastern Louisiana University
Long term trends of fecal pollution loading in Tangipahoa River, LA
5. Isaac, J., C.J. Schulz, G.W. Childers. Southeastern Louisiana University
Examination of methanotrophic diversity using pmoA before and after domestic wastewater addition in a Louisiana freshwater marsh
6. Knight, J., E. Talley, G.T. Howard, and E.J. Watson. Southeastern
Survey of the forensic potential of soil microbes
7. Leonard, K., Martinez, L., Rachel T., Corbin A., Nathaniel, R, Nicholls State
Susceptibility patterns of coagulase positive Staphylococcus in healthy dogs
8. Paine, D.N. and J.L. Comeaux
Prevalence of antibiotic-resistant microorganisms in lakes of Calcasieu Parish
9. Schulz, C.J., G.W. Childers. Southeastern Louisiana University
Compositional changes of relative Bacteroidetes 16S rDNA marker abundance under varying environmental conditions
10. Spangler, J.R., G.W. Childers. Southeastern Louisiana University
Presence of denitrification genes in relation to environmental conditions found in a wastewater treatment plant
11. Wright, P. M., and J.L. Comeaux. McSU
Presence of antibiotic-resistant microorganisms in waters of Calcasieu Parish, LA

Chemistry

12. Bursavich, B.J., Clement, G.M., Chou, J., Southeastern Louisiana University
Characterization of contaminant oyster shells by X-ray fluorescence and scanning electron microscopy
13. Clement, G.M., Bursavich, B.J., Chou, Ju., Elbers, D., Zhang, W., Yang, K., Southeastern Louisiana University
In situ monitoring and assessment of metal contamination around New Orleans by handheld XRF following Hurricanes Katrina and Gustav
14. Commander, J., Pengyan, Liu., Chou, Ju. Southeastern Louisiana University
Assessment and monitoring of the 2008 Bonnet Carré Spillway opening on organic contaminants in Lake Pontchartrain
15. Gentry, P.D. and Dr. D. Norwood, SELU
Electronic waste

16. *Ruibal, A.L., A.J. Holt, J. Dinser, M. Lanier, and D. Norwood. Southeastern. A. McKim. Gaylord Chemical*
Investigation of cleaning abilities of various solvents
17. *Tian, T., Clement, G. and Chou, J., SELU*
Effect of the opening of Bonnet Carré Spillway on distributions of metals and nutrient in Lake Pontchartrain
18. *Balamurugan, S.S. and Russo P.S., LSU-BR*
Preparation and characterization of multifunctional colloidal particles
19. *C. Lee, J. Sun, and P. Russo, LSU-BR*
Self-assembly of two-directional Arborols in water: Kinetics and control of their growth
20. *Collins, M.E. and P.R. Russo. LSU-BR*
Phase behavior studies of silica-polypeptide composite particles combined with untethered polypeptides
21. *Rosu, C., Daly, H., W., Negulescu, I., I., Russo P., S., and Laine, R. LSU-BR*
A comparative study on hydroxyl-protected and unprotected glylons
22. *Tong, X., and Russo, P., LSU-BR*
Fluorescence photobleaching recovery (FPR) application for the self diffusion studies of polyelectrolyte
23. *Dinser, J.A., M.L. Lanier, R. Rucker, and D.D. Dolliver. Southeastern. A.S. McKim, Gaylord Chemical Company*
Synthesis of O-alkylarylhydroximoyl azides
24. *Mitchell, M.R. and Jin, Yao, SLU*
Purification of higher fullerene isomers
25. *Wills, V., Dolliver, D. D., Lanier, M., Dinser, J., Miles, K., Southeastern, McKim, A. S., Gaylord Chemical Company*
Synthesis of single geometric isomers of oxime ethers of unsymmetrical 4,4'-disubstituted benzophenone by palladium-catalyzed cross coupling reactions
26. *Venable, S. and P.D. Voegel. Southeastern*
Chemically modified electrodes for determination of theophylline
27. *Li, Y. N., Kiranmai, B., Darabau, R., and Kiran, B., McSU*
Experimental and computational investigation of the reaction of N-carbobenzoxy-O-carbobenzoxyhydroxylamine with dimethyl sulfoxide to form S,S-dimethyl-N-[(phenylmethoxy)carbonyl] sulfoximine
28. *Weber, R. J., T. Sommerfeld. Southeastern*
Molecular visualizations

29. *Wilson, D., Sneddon, J. McSU*
Graduate program in Environmental Sciences and Chemistry at McNeese State University

Physics

30. *Gaffney, John and Yoshida, Sanichiro. Southeastern*
Determining fatigue history of an aluminium sample with interferometric and acoustic methods
31. *Istre, C., A. K. Kandalam*
A DFT study of neutral and anionic metalorganic complexes [TM_n(COT)] (TM = Sc, Ti, Fe, and Co; n = 1, 2)

Best Undergraduate Student Paper (Poster Presentations)

32. *Green, Lutasshi. and Ju Chou. Southeastern*
Simultaneous determination of homovanillyl alcohol and dopamine by electrochemical method
33. *Lewis, E.M., B.S. Netherland, and R.L. Minton. ULM*
Plastic springs: abiotic effects on freshwater snail shell shape
34. *Hill, J.D., Chiles, K.N., Lightbourne, C.C., and Barrett, P. XU*
Integration of extrachromosomal arrays in *Caenorhabditis elegans* by ultraviolet light mutagenesis
35. *Keaton, N.G., T. Do, C.R. Gissendanner. ULM*
C. elegans anillin is required for post-embryonic cytokinesis and cell morphology
36. *Preyan, L.C., Taylor, C.D., McElrath, L.R., DiMaggio, S., and Barrett, P. XU*
Gene targeting in *Caenorhabditis elegans* using functionalized PAMAM dendrimers
37. *Lissy, E., J. LeJeune, and D. Spivak. LSU-BR*
Making fuels green using molecularly imprinted polymers
38. *Ferguson, B.J. and W.H. Dees. McSU. M. Packiam, B.T. Mocca and A.E. Jerse. USUHS, Bethesda, MD*
Sequence-specific inhibition: Using phosphorothioate-oligonucleotides to decrease antibiotic resistance in *Neisseria gonorrhoeae*
39. *Brown, C., and JK.A. Jackson, McSU*
Corticosterone regulation of the hypothalamic-pituitary axis in *Xenopus laevis*

Best Graduate Student Paper (Poster Presentations)

40. *Gautam R Bedadala, Rajesh Pinnoji, Jay Palem and Victor Hsia. ULM*
Herpes Simplex Virus type-1 lytic infection induces the expression of transcription factor Early Growth Response-1 (Egr-1)

41. *Genabaj, N.K., and K.P. Briski ULM*
Effects of intracerebroventricular administration of the nonsteroidal glucocorticoid receptor antagonist, CP-472555, on recurrent insulin induced hypoglycemia-associated MCT2, GLUT3, GLUT4, GCK, and s
42. *Vineet Gupta, G. Patwardhan, R. Pinnoji, K. Bhinge, V.S. Hsia and Yong-Yu Liu. ULM. Y. Zhao. LSU-S. S.M. Jazwinski. Tulane University*
Glucosylceramide synthase regulates MDR1 gene expression through the association of globotriaosylceramide (Gb3) and histone acetylation
43. *Jin, Y and Mitchell, M.R., SLU*
Purification of higher fullerene isomers
44. *Nolan, C.B., K.X. Hunter, R.B. Hunter, A. Noyes and A. Bennett. ULM, Salisbury University*
Phylogenetic analysis and genetic variability with the genus *Amaranthus* using ISSRs
45. *Patwardhan, G.A., Yin, D., Gupta, V. and Liu Y.Y. ULM. Zhang, Q. and Bao, J.R. LSU-S. Jazwinski, S.M. TUSM - NO*
Targeting glucosylceramide synthase reverses drug resistance through ceramide-induced apoptosis in vivo
46. *Wali, V.B., S.V. Bachawal, and P.W. Sylvester. ULM*
gamma-Tocotrienol-induced apoptosis involves the PERK/eIF2alpha/CHOP endoplasmic reticulum stress pathway in mammary tumor cells
47. *Morton, D.A., G.S. Zumwalt. LTU*
Effects of ozone sparging on soil populations at a BTEX contaminated site

Keynote Address

Student Union Theater
Presiding: Dr. David Norwood

10:45-11:45 *Dr. Barbara Forrest, Southeastern Louisiana University*

Back to the Future: The Louisiana Science Education Act of 2008

In 2008, the Louisiana legislature passed and Gov. Bobby Jindal signed the Louisiana Science Education Act. This law is the product of a collaboration between the LA Family Forum, a religious advocacy organization, and the Discovery Institute, an intelligent design creationist think tank in Seattle, WA. In January 2009, the State Board of Elementary and Secondary Education adopted a policy for implementing the law that is also a product of the influence of these two organizations. Louisiana is now the first and so far the only state to adopt such legislation, but it could serve as a bellwether for other states. Similar bills have been introduced this year in Oklahoma and New Mexico. Others are sure to follow in additional states.

Luncheon and Business Meeting

Twelve Oaks
Presiding: Dr. Moustapha Diack

12:00-1:15 *All registered conference attendees are invited to attend and participate*

Buffet Luncheon

Your choice of

Linguini Primavera

A variety of fresh vegetables served in a cream sauce ladled over linguini. Served with a tossed salad, breadsticks, and a carrot cake.

or

Crawfish Monica

Crawfish served in a spicy cream sauce over bowtie pasta. Accompanied by tossed salad, garlic bread, and bread pudding.

Awards and Business Meeting

Session II

Higher Education

Student Union Room 221
Presiding: Dr. Rhett Allain

- 1:30-1:45 *Pugh, A.F., and J. Washington. ULM*
Methods of teaching science and social studies
- 1:45-2:00 *Washington, J. and A. Pugh. ULM*
Designing pre-service elementary mathematics instruction
- 2:00-2:15 *Robinson, M., T. Tanner, T.Hall, D. Wilkerson. SU-BR*
The student athlete: A comprehensive "student orientated" approach to athletics and academics
- 2:15-2:30 *Overby, A.C., E.A. Tucker, and A. Lusby. LTU*
Issues with implementing service learning into an agricultural sciences equine program
- 2:30-2:45 *Dees, W.H. McSU. M. Diack. SU-BR*
"Achieving excellence" – The 1st annual "State of the Academy" colloquium

Environmental Sciences

Student Union Room 223
Presiding: Dr. Frank Phillips

- 1:30-1:45 *Addo, Millicent, and J. Sothirajah. SU-BR: Southern University at Baton Rouge*
Municipal solid waste in Louisiana: Management, policy initiatives and regulations
- 1:45-2:00 *Clark, R.L. and J.L. Bossart. Southeastern*
Development of an index of biological integrity for Louisiana's cypress swamps
- 2:00-2:15 *Boone, F.B. and G.S. Zumwalt. LTU*
Efficacy of ozone sparging for the remediation of gasoline free product
- 2:15-2:30 *Young, B., F. Boone, and G. S. Zumwalt. LTU*
Remediation of *Microcystis aeruginosa* (cyanobacterium) using ozone sparging technology
- 2:30-2:45 *Jandegian, C.M., and G. Zumwalt. LTU*
Ozone sparging to remediate *Chlorella vulgaris* (green algae)

- 2:45-3:00 *Wilkerson, D., R. Hill. SU-BR*
Massachusetts v. EPA: The policy implications of climate change
- 3:00-3:15 *Vijayaraghavan, M. Tulane University*
Environmental education through service learning in an introductory biology course

Physics

Student Union Room 227
Presiding: Dr. Hye-Young Kim

- 1:30-1:45 *Bond, Z.B., K. Hye-Young*
Static polarizability and energy of a water cluster with two excess electrons
- 1:45-2:00 *Kandalam, A. K., McSU*
Stability and magnetism of Mn doped Stannaspherene dimers [Mn@Sn₁₂]₂
- 2:00-2:15 *Koirala, P., B. Kiran, and A. K. Kandalam, McSU*
Stability and magnetic properties of Iron doped neutral and charged Gold clusters [FeAu_n]^(+/-) (n = 1-7) clusters
- 2:15-2:30 *Smith, G.B. UNO*
Ordering the quantum vacuum
- 2:30-2:45 *T.Sasaki, J.Gaffney, and S.Yoshida. Southeastern*
Prediction of loading history using electronic speckle pattern interferometry
- 2:45-3:00 *Franklin, D.S. UNO/QinetiQ. G. Peggion. UNO*
Comparison of the Gulf Stream northern front from the hybrid coordinate ocean model (HYCOM) versus infra red satellite data
- 3:00-3:15 *Henry Smith, RPCC*
Hybrid course creation for alternative presentations

Microbiology

Student Union Room 228
Presiding: Dr. Jameel Al-Dujaili

- 1:30-1:45 *Broussard, K. A., and S. K. Sullivan. LSUA*
Inhibition of bacterial growth by a Sporolactobacillus isolate

- 1:45-2:00 *Elder, E. D. and J. M. Lyons. LSU-A*
Interactions of *Pseudomonas aeruginosa* and *Candida albicans* in biofilm formation
- 2:00-2:15 *Minyard, M. and R. Boopathy, NiSU*
Antimicrobial activity of Cajun spices
- 2:15-2:30 *Roy, D. and R. Boopathy, NiSU*
Nitrogen removal in shrimp aquaculture wastewater using sequencing batch reactor

Social Sciences II

Student Union Room 229

Presiding: Dr. Diane Keithly

- 1:30-1:45 *Taylor, Jamal A., SUBR*
The effects of circuit court decisions on higher education opportunities for minorities
- 1:45-2:00 *Ngnitedem, A. M. and M. S. Kim, SUBR*
Performance-based budgeting in Louisiana: the case of public hospitals
- 2:00-2:15 *Sillers, L.M., Southern University*
The role of social values in forming the attitudes and beliefs of individuals toward gays and lesbians in the African American community
- 2:15-2:30 *Smith, A.M. SUBR*
The influence of feedback on goal setting
- 2:30-2:45 *Sugulleh, K.*
Post-traumatic stress among Hurricane Katrina evacuees

Chemistry I

Student Union Theater

Presiding: Dr. August Gallo

- 1:30-1:45 *Battle, C.H., R.S. Srivastava, and A.A. Gallo, ULL*
Studies in the synthesis and NMR characterization of 6-methyl-2-nitrosopyridine
- 1:45-2:00 *Bertrand III, R and Srivastava, R. ULL*
Ligand assisted Cu(I)-catalyzed allylic amination
- 2:00-2:15 *Junk, T., J.C. Lewis, and N.C. McMullen. ULM*
Aminoarenetelluroles as versatile synthetic intermediates

- 2:15-2:30 *Neelam, V., Richert, J.C., Moss, J.C., and Sneddon, J., McSU*
Determination of metals in crawfish by ICP-OES
- 2:30-2:45 *Gonzalez, C., Wu, X., Fronczek, F and Srivastava, R., ULL*
Design and development of ruthenium(III) complexes in search of new anticancer agents
- 2:45-3:00 *Regmi, A., and Kiran, B., McSU*
Density functional studies on (Au₂S)_n (n = 1 – 6) oligomers

Afternoon Poster Session

Student Union Ballroom

Agriculture, Forestry, and Wildlife

1. *Bonvillain, C.P., D.A. Rutherford, W.E. Kelso, and C.C. Green. LSU-BR*
Validation and use of handheld protein and lactate tools for quantifying physiological condition in red swamp crayfish *Procambarus clarkia*
2. *Brown, G., J. L. Delabbio, and S. W. Gabrey. NSU*
Physical characteristics and *summer* diet of alligator gar (*Atractosteus spatula*) in Central Louisiana
3. *Webb, K. A., D.D. Kee, C. Richmond and S. Edwards. McSU, Louisiana Native Plant Initiative and USDA-NRCS*
Rattlesnake master (*Eryngium yuccifolium*) seed variability and yield response to collection date

Botany

4. *Stiller, V. Southeastern*
Drought and salinity *affect* wood density and vulnerability to xylem cavitation of baldcypress (*Taxodium distichum*) seedlings
5. *Sasek, T.W. ULM. Urbatsch, L. LSU. Darwin, S. Tulane. Miller, R. Southeastern. Lasseigne, A. NiSU*
CyberFlora Louisiana: A virtual herbarium for Louisiana

Molecular and Biomedical Biology

6. *Cherion, A.J., and K.P. Briski ULM*
Hindbrain A2 noradrenergic neurons exhibit gender differences in substrate transporter and metabolic transducer gene habituation to hypoglycemia

7. *Jayavardhana R. Palem, Rajeswara C. Pinnoji, Gautam R. Bedadala, and Shao-Chung V. Hsia. ULM*
Regulation of HSV-1 thymidine kinase, LAT, and ICPO by thyroid hormone receptor in neuronal cells
8. *Shirode, A.B., P.W. Sylvester. ULM*
Synergistic antiproliferative effects of tocotrienol and celecoxib on mammary tumor cells is associated with a suppression in Akt and NFκB signaling
9. *Altius, S.C., and Cheng, H.*
A study of transient receptor potential melastatin type 7 in pancreatic beta-cells
10. *Broadway, L., A. Engelsen, G. Hogan, J. Harmson, C. Gissendanner, and A. M. Findley. ULM.*
Isolation and characterization of novel mycobacteriophages from northeast Louisiana soil samples
11. *Doucett, A., and K.A. Jackson, McSU*
Corticosterone effects on the blood system of *Xenopus laevis*
12. *Lewis, S., GSU, Cavalier, M., Yim, Y-S, and Lee, Y-H. LSU*
A novel target of future cancer chemotherapy 6-phosphofructo-2-kinase/fructose-2,6-biphosphate 3 (PFKFB3)
13. *Moore, T.J., A. Saraf, and K.A. Jackson, McSU*
Corticosterone effects on glucose regulation in *Xenopus laevis*
14. *Sadaippen, R.R., Augillard, A.M., Lightbourne, C.C., and Barrett, P. XU*
Giving worms a headache
15. *Tawah, F.C., GSU, D.M. Karnak and M.J. Wishart, U. of Michigan*
Role for STYX in MAPK signaling and nuclear transport during germ cell maturation

Zoology

16. *Canning, L.D., B.M. Clark, E.M. Leighton, R.W. Hopes, and W.H. Dees. McSU*
Field evaluation of colored lights as attractants for mosquitoes
17. *Dees, W.H., T.L. Sylvester, L.D. Canning, B.M. Clark and R.W. Hopes. McSU*
An innovative trap for studying mosquito attractants and repellents
18. *Duplantis, T.A., E.M. Leighton and W.H. Dees. McSU. J. Hightower, Calcasieu Parish Mosquito Control*
Does West Nile Virus howl at the moon?
19. *Freeborn, L.F. and D.M. Sever. SLU*
Reproductive morphology of colubroid snakes
20. *Hodge, M. A. LSMSA. S. W. Gabrey and A. Semerena. NSU*
Spiders as ecological indicators: the effect of forest management practices on spider diversity
21. *Kersten, C.A., M.K. Hutton, and K.A. Jackson. McSU*
Histology of *Xenopus laevis* testes following atrazine exposure

22. *Leighton, E.M., T.A. Duplantis and W.H. Dees. McSU. J. Hightower, Calcasieu Parish Mosquito Control*
Effect of meteorological factors on the activity of mosquitoes positive for West Nile Virus in Calcasieu Parish, Louisiana: 2002-2007
23. *Mayon, M. N. and J. Bossart. SLU*
Beetle assemblages of Louisiana's rare saline prairies
24. *Meyer, H.A. McSU*
Water bears of the Caribbean
25. *Murray, C.M. SLU*
Can reproductive allometry assess population marginality in crocodylians? a comparative analysis of American alligator (*Alligator mississippiensis*) populations in South Florida and coastal Louisiana
26. *Rheubert, J.R., E.H. Poldemann, M.E. Eckstut, M.H. Collier, D.M. Sever, and K.M. Gribbins. SLU and Wittenberg University*
The temporal germ cell development strategy during mixed spermatogenesis within the male Mediterranean Gecko, *Hemidactylus turcicus* (Reptilia: Gekkonidae),
27. *Stumpf, C.F. LSU-A*
Toxicity and repellency of 2-Undecanone against German cockroaches
28. *Tatum, L.D. and W.H. Dees, McSU*
Using bacteria to express naturally-occurring insect hormones to control insect pests
29. *VandenBroek, N.P. SLU*
Microhabitat use of Herpetofauna in bottomland hardwood forest of the Atchafalaya National Wildlife Refuge
30. *Vidrine, M. F., J. E. Cordes, D. M. Jariel, M. Bastian-Stanford, S. R. Hazelton-Robichaux, J. A. Hamlin, J. Al-Dujaili and C. E. Vidrine. LSU-E*
The status of the genus *Unionicola* Haldeman 1842 (Acari: Unionicolidae: Unionicolinae)
31. *Williams, A.A. and J. Trahan III. LSU-E*
Faunistics of a restored tallgrass prairie

Computer Science

32. *Heather Smith and Jessica Smith, GSU*
Graduation management tool for undergraduate students
33. *Jan Durand and Nolukhanyo Ndlabhu, GSU*
Elevator control system
34. *Karl Etherly and Michael Terrel, GSU*
Efficient communication between two computers using VPN package and routers

35. *Shrestha, A. and P. D. Wiedemeier. ULM*
Modeling GEO satellite based VHF packet radio network data multicasts

36. *Yang, K.P., Beaubouef, T., and Alkadi, G*
A FPGA Development and Education Board for Computer Science

Materials Science and Engineering

37. *Beattie W.R, S. Baker, LTU; S. Ellis, GSU, and P. A. Derosa, GSU/LTU*
Molecular modeling-based assessment of nanocomposites electrical properties

Math & Statistics

38. *Chi, O. LSU-BR. and Y.N. Chi. UTB-Brownsville*
Business students' attitudes toward statistics: a path analysis

Social Sciences

39. *Murphy, N., SUBR*
Gender diversity in engineering software development virtual teams

40. *Gilbert Edward Corrigan MS MD PhD (East Baton Rouge Coroners Office) EBRCO*
A bulletin board demonstration on urban public death 2008

Session III

K-12 Education

Student Union Room 221

Presiding: Dr. James Whelan

- 3:45-4:00 *Williams, T. D., Autin, G. Southeastern*
A novel approach to increasing teacher content knowledge
- 4:00-4:15 *Graland Robinson, Carroll High School, GSU*
Experiences with IntelliBrain Bot Summer Program 2008
- 4:15-4:30 *Nicole Nwoha, Alexa Robinson, and Breyonna, GSU*
Summer robotics workshop experiences
- 4:30-4:45 *Rahman Munajj, Home School Student, 12th Grade, GSU*
Programming IntelliBrain-Bot
- 4:45-5:00 *Zacchaeus Williams, Patricia Schneider, Nyoka Freeman, GSU*
Summer workshop experiences with IntelliBrain Bot

Graduate School Admission Panel Discussion

Student Union Room 223

Presiding: Dr. David Norwood

- 3:45-4:450 *Dr. Paul Russo, Louisiana State University*
Dr. Kevin Stokes, University of New Orleans
Dr. Wayne Reed, Tulane University
Dr. A. Jerald Ainsworth, Southeastern Louisiana University
Dr. Lee Sawyer, Louisiana Tech University

Short presentations by panelists regarding graduate school admissions followed by audience questions and panel discussion.

Math & Statistics
Student Union Room 227
Presiding: Dr. Yenumula Reddy

3:45-4:00 *Milliern, T. A. and Soileau, A. J., LSU-A*
Remarks on exponential function and ellipses

Computer Science
Student Union Room 227
Presiding: Dr. Yenumula Reddy

4:00-4:15 *Gwee, Nigel. SU-BR.*
The theory of NP-Completeness: Applications and implications

4:15-4:30 *Halvorson, K., and Yang, K.P.*
Using Java network protocols to deliver medical education applications

4:30-4:45 *Kuyya, Shivaji, and Nigel Gwee*
Smart diabetes management system with automated diet charts

4:45-5:00 *Lopez, A. M. XU*
Ontology development for network science

5:00-5:15 *Y.B.Reddy and Sophal Chao, GSU*
Detecting the Sinkhole Attack in wireless sensor networks

Zoology II
Student Union Room 228
Presiding: Dr. Jonathan Akin

3:45-4:00 *Meyer, H.A. and J.G. Hinton. McSU*
Three new species of tardigrade

4:00-4:15 *Martin, K. and S. Marshall. NSU*
Evidence for molecular and morphological polyphyly in single species population of *Geolycosa xera* wolf spider

4:15-4:30 *Hinton, J.G., H.A. Meyer, A.C. Duplechin, D.M. Theriot, and M.N. Bertrand. McSU*
A comparison of tardigrade diversity in the Big Thicket and Smoky Mountains

- 4:30-4:45 *Font, W.F. SLU*
Strange bedfellows: differences in the host-parasite relationships among native and exotic fishes infected with the roundworm *Camallus cotti* in Hawaiian streams
- 4:45-5:00 *Coombs, A., D. Owens, and J. Akin. NSU*
Fates of ambystomatid eggs and larvae in Louisiana vernal pools
- 5:00-5:15 *Meyer, H.A. and J. Hinton. McSU*
The tardigrades of KwaZulu-Natal and Lesotho in Southern Africa
- 5:15-5:30 *Troxler, C. and D.L. Schultz. NiSU*
The impact of the Davis Pond Diversion on fish communities of the upper Barataria basin

Social Sciences III
Student Union Room 229
Presiding: Dr. Anthony Igiede

- 3:45-4:00 *Tekia Long*
The relationship between nutrition, self-esteem and parental expectation and academic achievement among African American college students
- 4:00-4:15 *Thomas, A.N., SUBR*
Saving our youth: Reviewing pro-social and academic self-regulation in African-American youth
- 4:15-4:30 *White, E. H., SUBR*
A case study approach to the examination of cultural identity formation among African-American adolescents
- 4:30-4:45 *Whitney, S. W. SUBR*
A study of juvenile delinquents in the State of Louisiana: A demographic profile of HIV/AIDS
- 4:45-5:00 *Wilkerson, D., C. Tsuma, E. Martin. SUBR*
Political economy: An examination of globalization on the continent of Africa

Chemistry II
Student Union Theater
Presiding: Dr. Debra Dolliver

- 3:45-4:00 *Scott, S.D., Russell, G, and Sneddon J. McSU*
Effects of nitrate on microbial activity in an industrial activated sludge unit
- 4:00-4:15 *Shakya, A. and Kiran, B, McSU*
Computational modeling of Aluminum doped Gold clusters. How good is the Gold – Hydrogen isolobal analogy?

Materials Science and Engineering
Student Union Theater
Presiding: Dr. Naidu Seetala

- 4:15-4:30 *Shizhong Yang, Shuju Bai, Ebrahim Khosravi, and Guang-Lin Zhao.*
First principles molecular dynamics simulation of nano gold adsorption on (0001) surface of Ruthenium
- 4:45-5:00 *Namwamba, J.B.O SU-BR*
Experiential learning through practicals
- 5:00-5:15 *Abed, Z, J.Omojola. SUNO*
Lights-out problems

Field Trip of Manchac Wetland Ecosystem

Presiding: Dr. William N. Norton

9:30-1:00

Field Trip

A tour of the Manchac wetland ecosystem on a covered 40'x12' commercial grade pontoon touring boat. The tour includes Pass Manchac, the Manchac Lighthouse, and an excursion along two bayous associated with Pass Manchac. (Two hours)

Power Point Presentation at the Southeastern Manchac Educational Complex

A Power Point presentation on the environmental and human factors that have caused the degradation of local wetland ecosystems and the suggested recommendations for their restoration. (30 minutes)

Lunch

Fried catfish, french fries, salad, bread, cold drinks, and a dessert. (One hour)