

PROGRAM AT A GLANCE

Monday, April 1

- 8:00 a.m. – 9:30 a.m. Paper Session I
- 10:00 a.m. – 11:30 a.m. Paper Session II
- 12:00 p.m. – 1:00 p.m. Noon Symposium: Engaged Innovation and the Individual
Dr. David Williams
- 1:00 p.m. – 1:30 p.m. Reception outside the Student Union Theatre
- 1:30 p.m. – 3:00 p.m. Paper Session III
- 3:30 p.m. – 5:00 p.m. Paper Session IV
- 7:00 p.m. – 8:00 p.m. Art Student Competition, VSU Fine Arts Gallery

Tuesday, April 2

- 8:00 a.m. – 9:30 a.m. Paper Session V
- 10:00 a.m. – 11:30 a.m. Paper Session VI
- 12:00 p.m. – 1:00 p.m. Noon Symposium: Engaged Innovation in the Classroom
Dr. Thomas Manning and Haley A. Franklin,
Dr. Zulal Denaux and Felina Duncan,
Dr. Jade Coston and Alyson Berndt, and
Professor Jacqueline Wheeler and Elie Siegel
- 1:00 p.m. – 1:30 p.m. Reception outside the Student Union Theatre
- 1:30 p.m. – 3:00 p.m. Paper Session VII
- 3:15 p.m. – 4:15 p.m. Student Debate: Georgia Should Change Its HOPE
Scholarship Requirements
- 4:30 p.m. – 6:00 p.m. Poster Session and Reception, Student Union Ballrooms
- 6:00 p.m. – 6:20 p.m. Awards Ceremony with President McKinney, Student
Union Ballrooms

All Paper Sessions, Noon Symposia, and Student Debate to be held in the
Student Union Theatre

MONDAY, APRIL 1, 2013

8:00 A.M. – 9:30 A.M. PAPER SESSION I (STUDENT UNION THEATRE)

Moderator: Mr. Michael Savoie, Honors College

“The Great Depression and its Modern Parallels”

Coy Chambers, Rebecca Falks, and Justin Little

Department of Accounting and Finance

Dr. Elvan Aktas, Faculty Adviser

“Designing the Military Vehicle of the Next Generation”

An Seong Hyun

Department of Physics, Astronomy, Geosciences, and Engineering Studies

Dr. Barry Hojjatie, Faculty Adviser

**“Higher Education and Students on the Autism Spectrum:
Uncovering and Supporting the Invisible Ten Percent”**

Hazel R. Moon

Honors College and Department of Psychology and Counseling

Dr. Anthony J. Scheffler, Faculty Adviser

“Seeds of Violence Towards Native Women”

Pamela Johnson

Native American Studies

Dr. Lavonna Lovern, Faculty Adviser

“Acer”

Joshua Knight

Department of Communication Arts

Dr. Paula McNeill, Faculty Adviser



10:00 A.M. – 11:30 A.M. PAPER SESSION II (STUDENT UNION THEATRE)

Moderator: Dr. Alfred Fuciarelli, Department of Chemistry

“Using Linear Algebra to Derive a Formula for the Sum of Integer Powers”

Maximilian James Wang

Department of Mathematics and Computer Science

Dr. Sudhir Goel, Faculty Adviser

“Kahlil Gibran’s Quest for Transcendent Truth”

Laura N. Hanna

Honors College

Dr. Lai Orenduff, Faculty Adviser

“Libya: A Nation in Transition”

P. Nathaniel Metzner

Department of Political Science

Dr. James W. Peterson, Faculty Adviser

“Theoretical Drivers of Early Career Success for New Entrants to the Job Market”

Lesley Nicole Hamm

Department of Management and International Business

Dr. M. Todd Royle, Faculty Adviser

“Franklin D. Roosevelt: Popular Support and Pearl Harbor”

Chase Kelly

Department of History

Dr. Dixie Haggard, Faculty Adviser



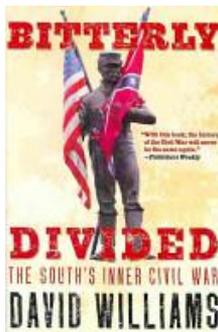
12:00 P.M. – 1:00 P.M. NOON SYMPOSIUM: ENGAGED INNOVATION AND THE INDIVIDUAL (STUDENT UNION THEATRE)

Welcome: Dr. James LaPlant, Symposium Coordinator

Moderator: Dr. Paul Riggs, Department Head of History

Speaker: Dr. David Williams, Professor of History

Dr. David Williams, professor of history, will focus on his recent book *Bitterly Divided: The South's Inner Civil War*, which explores the internal conflicts within the South during the Civil War. The author of eight books, two nominated for a Pulitzer Prize, Dr. Williams is a highly regarded researcher in the area of Civil War and Reconstruction Era, as well as Southern U.S. history. He is currently working on his ninth book, under contract with Cambridge University Press, which examines the contributions slaves made in securing their freedom.



1:00 P.M. – 1:30 P.M. RECEPTION OUTSIDE THE STUDENT UNION THEATRE

Moderator: Dr. Fred Knowles, Department of Sociology, Anthropology,
and Criminal Justice

**“Spain’s Admission into the European Union and its Impact on the
Cultural Diversity and Economy of the Country”**

Anna Insley Vasquez

Department of Marketing and International Business

Dr. Grazyna Walczak, Faculty Adviser

**“Patterns of Insect Succession on Decomposing Pigs
in Lowndes County, Georgia”**

Paula D. Bicoy, Colleen Y. Bradley, and Stacie R. Linton

Department of Biology

Dr. Mark Blackmore, Faculty Adviser

“The Berdache: Discovering a Deeper Meaning”

Eduardo Castillo

Native American Studies

Dr. Lavonna Lovern, Faculty Adviser

“Operating Systems for the Novice User”

Rebecca M. Rusk

Department of Adult and Career Education

Dr. Cindy Pratter, Faculty Adviser

**“‘The Gypsy Problem’: A Story of Exclusion
and Misrepresentation in Europe”**

Alice Mendez

Department of Sociology, Anthropology, and Criminal Justice

Dr. Michael Meacham, Faculty Adviser



3:30 P.M. – 5:00 P.M. PAPER SESSION IV (STUDENT UNION THEATRE)

Moderator: Dr. Marc Pufong, Department of Political Science

**“The Clash of the Active Female and the Feminine Ideal
in Charles Perrault’s ‘Donkeyskin’”**

Erica Even
Department of English
Dr. Jane Kinney, Faculty Adviser

“The Relationship Between the Media and School Shootings”

Jennifer Dandron
Department of Philosophy and Religious Studies
Dr. Christine James, Faculty Adviser

**“A 24 Hour Lab Exercise in the Ocean: Natural Chemical Cycles
at Three Locations in the Florida Keys”**

Jordan A. Baker, Tess A. Baker, Cieanna A. Baptiste, Loren A. Binns,
Sasha L. Booth, Jonathan R. Brock, Julia D. Broome, Willis W. Brown,
Brittany N. Butler, Aaron T. Calvin, Aaron C. Ford, Kelsey S. Johnson,
Warren D. Lott, Katie C. Merritt, Rachel T. Mikula, Anastasia V. Nienow,
Harsh M. Patel, Mitesh I. Patel, Mircaly Pierre, Sydney E. Plummer,
Jesse B. Prince, and Jeffrey M. Roland
Department of Chemistry
Drs. Thomas Manning (VSU) and Greg Wylie (UGA), Faculty Advisers

“The Violent Nature of the Iroquois”

Thomas Lovett
Department of History
Dr. Dixie Haggard, Faculty Adviser

“Obesity Rates Across the United States”

Tetyana Ard
Department of Political Science
Dr. James LaPlant, Faculty Adviser



7:00 P.M. – 8:00 P.M. SPOTLIGHT ON THE ARTS: ART STUDENT COMPETITION (VSU FINE ARTS GALLERY)

Welcome: Dr. William McKinney
VSU President

Remarks: Mr. A. Blake Pearce
Department Head of Art

The 15th Annual Art Student Competition features 107 works from 57 students. Works for the exhibition were reviewed by Professor Alan MacTaggart, head of the Department of Art at Georgia Regents University. The exhibit features work in both 2-D and 3-D media.



TUESDAY, APRIL 2, 2013

8:00 A.M. – 9:30 A.M. PAPER SESSION V (STUDENT UNION THEATRE)

Moderator: Dr. Tom Aiello, African American Studies

**“Analyzing Observations of a Pre-Service Elementary
Mathematics Teacher”**

Denisha Dukes

Honors College and Department of Mathematics and Computer Science

Dr. Sandra Trowell, Faculty Adviser

**“American Pop Culture and the Formation of Identity
in Hanif Kureishi’s *The Black Album*”**

Laura N. Hanna

Department of English

Dr. Hugh O’Connell, Faculty Adviser

“Taphonomic Assessment of Pig Carrion in South Georgia”

Paula D. Bicoy, Colleen Y. Bradley, and Stacie R. Linton

Department of Sociology, Anthropology, and Criminal Justice

Dr. Joyce Chan, Faculty Adviser

“Skeptical Uncertainty in Moore’s ‘Proof of an External World’”

Jason Cole Singletary

Department of Philosophy and Religious Studies

Dr. Christine James, Faculty Adviser

**“Determination of Electron Transfer Mechanism of Acetaminophen
Using Cyclic Square Wave Voltammetry”**

Aaron T. Calvin

Department of Chemistry

Drs. Lawrence A. Bottomley and Megan Damm (Georgia Tech),

Faculty Advisers

10:00 A.M. – 11:30 A.M. PAPER SESSION VI (STUDENT UNION THEATRE)

Moderator: Dr. Jade Coston, Department of Communication Sciences and Disorders

“The Effect of Room Tone on Spatial Intelligence”

Daniel Ledee

Department of Communication Sciences and Disorders

Drs. R. Renee Hannibal, Matthew Carter, and James Archibald,
Faculty Advisers

“Copper as a Delivery Agent for Medicinal Agents: New Complexes for a New Area of Medicine”

Melody Sobhani, John Milam, Lakesha Butler, David Jenkins, Iris Rivera, Satilla B. Johns, Rebekah Graham, Haley Franklin, and Dustin Jenkins

Department of Chemistry

Dr. Thomas Manning, Faculty Adviser

“Soccer in Latin America: A Political Tool”

Reyvid Torres

Department of Modern and Classical Languages

Dr. Susan Wehling, Faculty Adviser

“The House Divided: An Analysis of Republican Party Cohesion, Tea Party Factionalism, and Conditional Party Government in the 112th Congress”

Nicholas A. Rudnik

Department of Political Science

Dr. Steven Nawara, Faculty Adviser



12:00 P.M. – 1:00 P.M. NOON SYMPOSIUM: ENGAGED INNOVATION IN THE CLASSROOM (STUDENT UNION THEATRE)

Moderator: Dr. James LaPlant, Symposium Coordinator

Speakers: Dr. Thomas Manning and Haley A. Franklin,
Dr. Zulal Denaux and Felina Duncan,
Dr. Jade Coston and Alyson Berndt, and
Professor Jacqueline Wheeler and Elie Siegel

As part of VSU's Annual Undergraduate Research Symposium, faculty and students will discuss their collaborative research that highlights innovative approaches to teaching and learning. This panel includes Dr. Thomas Manning and Haley A. Franklin from the Department of Chemistry; Dr. Zulal Denaux and Felina Duncan from the Department of Marketing and Economics; Dr. Jade Coston and Alyson Berndt from the Department of Communication Sciences and Disorders; and Professor Jacqueline Wheeler and Elie Siegel from Theatre and Dance.



1:00 P.M. – 1:30 P.M. RECEPTION OUTSIDE THE STUDENT UNION THEATRE

1:30 P.M. – 3:00 P.M. PAPER SESSION VII (STUDENT UNION THEATRE)

Moderator: Dr. Matthew Grant, Department of Kinesiology
and Physical Education

**“Using Maple to Explore Numerical Methods and Qualitative Analysis
for System of Ordinary Differential Equations”**

Levi Hibbard

Department of Mathematics and Computer Science

Drs. Jemal Mohammed-Awel and Andreas Lazari, Faculty Advisers

“How Tutoring Has Taught Us To (Potentially) Be Good Professors”

Laura N. Hanna, Taylor G. Lanning, Joshua L. Preston, and David A. Hall

Department of English

Dr. Chere Peguesse, Faculty Adviser

“Puritan Calvinism and Native American Cultural Identity”

Jenny Smith

Department of History

Dr. Dixie Haggard, Faculty Adviser

**“Violent Video Games and the Effect on Youth Violence and
Juvenile Delinquency”**

Stephen A. Mitchell

Department of Sociology, Anthropology, and Criminal Justice

Dr. Wilson Huang, Faculty Adviser



**3:15 P.M. – 4:15 P.M. SPOTLIGHT ON THE ARTS: STUDENT DEBATE
(STUDENT UNION THEATRE)**

Moderators: Dr. Michael Eaves and Mr. Kevin Bryant, Department of
Communication Arts

**Debate Topic: Georgia Should Change Its HOPE Scholarship
Requirements**

Government Team: Hannah Tabrizi and Chesley McNeil

Opposition Team: Keven J. Rudrow and Erin Taliaferro



**4:30 P.M. – 6:00 P.M. POSTER SESSION AND RECEPTION
(STUDENT UNION BALLROOMS)**

**6:00 P.M. – 6:20 P.M. AWARDS CEREMONY
(STUDENT UNION BALLROOMS)**

Welcome: Dr. James LaPlant
Symposium Coordinator

Remarks: Dr. William McKinney
VSU President

Dr. Karla Hull
Interim Provost and Vice President for
Academic Affairs

Presentation of Best Poster Awards

Posters

BIOLOGY

“Algal Community Structure Change within Oyster Reefs Along the Coasts of Florida, Georgia and North Carolina”

Justin T. Wynn

Dr. Matthew Waters, Faculty Adviser

“Are Biology Majors Learning Enough About Evolution?”

Keyondra LaShawn Brooks

Dr. Leslie S. Jones, Faculty Adviser

“Developing a New Method for Analyzing Spheroidal Carbonaceous Particles (Scps) in Lake Sediment”

Kimberly Edwards and Shannon Clark

Dr. Matthew Waters, Faculty Adviser

“Distribution and Dispersal of *Sphenoclea zeylanica* (Sphenocleaceae) in North America”

Jordan C. Jones

Dr. Richard Carter, Faculty Adviser

“Ignorance About Evolution Compromises Education”

Justyce Lanae Launa Lewis

Dr. Leslie S. Jones, Faculty Adviser

“Linking the Curative Activity of Fungicides with *Cercospora arachidicola* Development on Leaves of Peanut”

Robert Colby Johnson

Dr. Emily G. Cantonwine, Faculty Adviser



“Methods of Mammalian and Avian Specimen Preparation”

Cameron C. Thomas

Dr. Brad Bergstrom, Faculty Adviser

“Oxytocin Receptors in the Suprachiasmatic Nucleus”

Marla Suzanne Darden

Dr. Robert Gannon, Faculty Adviser

**“Relationship of Biofilm and Ammonia on the Settlement
of Oyster Larvae”**

Amber Blocker and Rebecca Tucker

Dr. Timothy P. Henkel, Faculty Adviser

**“The Distribution of Topminnows (Fundulidae) in South
and Southeast Georgia”**

Ashley Lynn Barnes

Dr. David Bechler, Faculty Adviser

**“The Effects of Ocean Acidification and Copper Exposure
in Two Species of Scleractinian Corals”**

Pratik Pravin Patel

Dr. Gretchen Bielmyer, Faculty Adviser

**“The Influence of Salinity on Copper Accumulation and Effects
in the Sea Anemone, *Aiptasia pallida*”**

Pratik Pravin Patel

Dr. Gretchen Bielmyer, Faculty Adviser

**“The Influence of Water Hardness on Accumulation and Effects
of Cd in the Green Alga, *Pseudokirchneriella subcapitata*”**

Garrett L. Carter and Jonathon Brock

Dr. Gretchen Bielmyer, Faculty Adviser

CHEMISTRY

“Aerosol Assisted Vapor Synthesis of Vanadium Nitride”

Travis D. Johnson

Dr. Gary L. Wood, Faculty Adviser

“Aqueous Phase Studies Involving the Copper-Peg-Medicine Interactions”

Haley A. Franklin, Rachel L. Robertson, Satilla B. Johns, Damazio A. Odusanya, Melody E. Sobhani, Iris Rivera, Lindsay N. McMullen, Dustin C. Jenkins, Thomas K. Leggett, and Harsh M. Patel

Dr. Thomas Manning, Faculty Adviser



“Calcium Metal as a Fuel for Deep Ocean Exploration: Prototype Testing in an Underwater Contest”

Jordan A. Baker, Tess A. Baker, Cieanna A. Baptiste, Loren A. Binns, Sasha L. Booth, Jonathan R. Brock, Julia D. Broome, Willis W. Brown, Brittany N. Butler, Aaron T. Calvin, Aaron C. Ford, Kelsey S. Johnson, Warren D. Lott, Katie C. Merritt, Rachel T. Mikula, Anastasia V. Nienow, Harsh M. Patel, Mitesh I. Patel, Mircaly Pierre, Sydney E. Plummer, Jesse B. Prince, and Jeffrey M. Roland

Drs. Thomas Manning (VSU) and Greg Wylie (UGA), Faculty Advisers

“Computational Studies of First and Second Line Tb Drugs”

Robert C. Bauer, Amanda S. Ehlin, David M. Jenkins, John W. Ledwitch, and Courtney R. Morris

Dr. Thomas Manning, Faculty Adviser

“Design, Construction and Deployment of a Underwater Remote Operated Vehicle to Collect Marine Species”

Jordan A. Baker, Tess A. Baker, Cieanna A. Baptiste, Loren A. Binns, Sasha L. Booth, Jonathan R. Brock, Julia D. Broome, Willis W. Brown, Brittany N. Butler, Aaron T. Calvin, Aaron C. Ford, Kelsey S. Johnson, Warren D. Lott, Katie C. Merritt, Rachel T. Mikula, Anastasia V. Nienow, Harsh M. Patel, Mitesh I. Patel, Mircaly Pierre, Sydney E. Plummer, Jesse B. Prince, and Jeffrey M. Roland
Drs. Thomas Manning (VSU) and Greg Wylie (UGA), Faculty Advisers

“Hydrogen Powered Underwater Vehicles: Using Calcium Reactions as an Alternative Fuel Source for Deep Sea Mining”

Shannon Clark and Kimberly Edwards
Dr. Thomas Manning, Faculty Adviser

“Kinetics of Evaporation: Time Duration and Reaction Orders”

Cieanna A. Baptiste, Lakesha N. Butler, Shannon Clark, Kimberly N. Edwards, Joseph A. Etheridge, Nicholas T. Fight, Ivan L. Furtado, Courtney L. Hall, Kokeisha M. Jackson, Dustin C. Jenkins, Seul Lee, Thomas K. Leggett, Warren D. Lott, Monica A. McGauley, Lindsay N. McMullen, Oscar A. Otieno, and Mircaly Pierre
Dr. Thomas Manning, Faculty Adviser

“Lewis Acid Catalyzed 2,3-Rearrangements of O-Allylhydroxylamines”

James C. Lord and Hilary F. Lee
Dr. Jenny M. Baxter Vu, Faculty Adviser

“Liquid Chromatography-Mass Spectrometry Studies of Copper and Iron Interactions with Bryostatin”

Destiny I. Aighobahi, Tess A. Baker, Willis W. Brown, Gregory A. Jackson, Kokeisha M. Jackson, Warren D. Lott, Rachel T. Mikula, John W. Milam, Christopher P. Strickland, John Milam, Reginald D. Blake, and Tyler L. Peterson
Dr. Thomas Manning, Faculty Adviser

**“Photocurrent Production of Iron Oxide Films Modified
with Enediol Ligands”**

Raymond G. Fontanez
Dr. Linda de la Garza, Faculty Adviser

**“Producing an Educational Video on the World Health Organization’s
List of Essential Medicines”**

Tess A. Baker, Willis W. Brown, Lakesha N. Butler, Zachary J. Chandler,
Courtney B. Edwards, Allison F. Howard, David M. Jenkins, John W.
Ledwitch, Hilary F. Lee, Tamiah S. Martin, John W. Milam, Chelsie D.
Northcutt, Harsh M. Patel, Mitesh I. Patel, Paul A. Patterson, Caitlin B.
Perryman, Michael J. Reaves, Rachel L. Robertson,
Nathan B. Shiver, and Levi J. Vedas
Dr. Thomas Manning, Faculty Adviser

**“Search For the Soft Tissue Sarcoma Drug ET743 in a
Florida Keys Tidal Flat”**

Jordan A. Baker, Tess A. Baker, Cieanna A. Baptiste, Loren A. Binns,
Sasha L. Booth, Jonathan R. Brock, Julia D. Broome, Willis W. Brown,
Brittany N. Butler, Aaron T. Calvin, Aaron C. Ford, Kelsey S. Johnson,
Warren D. Lott, Katie C. Merritt, Rachel T. Mikula, Anastasia V. Nienow,
Harsh M. Patel, Mitesh I. Patel, Mircaly Pierre, Sydney E. Plummer,
Jesse B. Prince, and Jeffrey M. Roland
Drs. Thomas Manning (VSU) and Greg Wylie (UGA), Faculty Advisers

**“Structural and Medicinal Characteristics of the
Copper (II)-Hydroxychloroquine Complex”**

Thomas Leggett, Dustin Jenkins, Rebekah Grantham,
Allison Fritschze, and Ivan Furtado
Dr. Thomas Manning, Faculty Adviser

**“Study of the Catalytic Properties of Strontium Sulfonate
Sr[C₂H₄(SO₃)₂] (VALD-1)”**

Jordan A. Carroll and Frankie A. Stackhouse
Dr. Tolulope O. Salami, Faculty Adviser

“Synthesis of Chiral Amines”

Ranya Tomlinson, Brittany Butler, Caitlin Perryman, and Jordan Baker
Dr. John T. Barbas, Faculty Adviser

“The Adsorption of Metolachlor in Soil”

Aaron T. Calvin and Frederique Dunham
Drs. Jim Baxter, Jesse Spencer, John Barbas, Donna Gosnell,
and Thomas Potter, Faculty Advisers



COMMUNICATION SCIENCES AND DISORDERS

“Examining Parent-Child Interaction within Everyday Routines”

Elizabeth Melton and Chelsea Bartholomew
Dr. Jade Coston, Faculty Adviser

EARLY CHILDHOOD AND SPECIAL EDUCATION

“Autism in Children”

Juliet Jones
Dr. Lucia Lu, Faculty Adviser

“Child Abuse”

Jaicee Brewton
Dr. Lucia Lu, Faculty Adviser

“Critical Literacy by Integrating Literature into Math Education”

Mitchell Donahoo and Leslie Kautzman
Dr. Lucia Lu, Faculty Adviser

“Cup System for Change”

Angel Kelly

Dr. Shaunita Strozier, Faculty Adviser

“Cyber Bullying at a School Setting”

Calen Lee

Dr. Lucia Lu, Faculty Adviser

“Exploring the Religion of Hinduism”

Tiffany Benefield

Dr. Lucia Lu, Faculty Adviser

“Feminism in South Korea”

Hye-Ji Kim

Dr. Lucia Lu, Faculty Adviser

“High School Drop-Out in the United States”

Jeremy Rowe

Dr. Lucia Lu, Faculty Adviser

“Homelessness: How Does it Impact the Education of Children?”

Melanie Morris

Dr. Lucia Lu, Faculty Adviser

“Korean Language Instruction”

Jieun Joeng

Dr. Lucia Lu, Faculty Adviser

“Marriage and Divorce”

Bianca Williams

Dr. Lucia Lu, Faculty Adviser

“Point-Out the Behavior Intervention”

Jessica Edwards

Dr. Shaunita Strozier, Faculty Adviser

“The Beauty of Chinese Written Characters”

Xiao-Ying Jiang

Dr. Lucia Lu, Faculty Adviser

**“The Scientific Principles for Learning Korean Language
Toward Globalization”**

Aekyong Jung

Dr. Lucia Lu, Faculty Adviser



ENGLISH

“An American Scholar: A Difficult Path”

Amanda Benz

Dr. Sheri Gravett, Faculty Adviser

“The Impact of the LGBT Press on Mainstream Media”

Jerry Daniel Young

Dr. Patricia Miller, Faculty Adviser

MATHEMATICS AND COMPUTER SCIENCE

“Android vs. Windows Phone”

David DeMeritt and Jordan Carhuff
Dr. Sudip Chakraborty, Faculty Adviser

“Challenges, Opportunities, and Competition in Online Entertainment”

Neil Thomas
Dr. Chunlei Liu, Faculty Adviser

“Determining the Value of a Vote in the United States Under the Electoral College Voting System Using Binary Integer Programming”

Joseph M. Cauley
Dr. Jin Wang, Faculty Adviser

“Hegle – High Engagement Graphical Learning Environment”

Ilya K. Rogers
Dr. Sudip Chakraborty, Faculty Adviser

“iOS and OS X – The Building Blocks of Apple’s ‘Ecosystem’”

Ethan Rogers and William Adams
Dr. Sudip Chakraborty, Faculty Adviser

“Modular Linear Algebra and Basic Cryptanalysis”

Adam Dryden
Dr. José A. Vélez-Marulanda, Faculty Adviser

“Trends and Applications in Social Networking”

Randy French
Dr. Chunlei Liu, Faculty Adviser

MODERN AND CLASSICAL LANGUAGES

“The Healthcare System of France”

Stephanie Byington

Dr. Ofélia Nikolova, Faculty Adviser

NATIVE AMERICAN STUDIES

“Searching Through the Briar Patch: Brer Rabbit and His Native American Roots”

Garrett Hall

Dr. Lavonna Lovern, Faculty Adviser

“The Governmental Make-Up of Ancient Inca Civilization”

Scott Harrison Wren

Dr. Fred Knowles, Faculty Adviser



PHILOSOPHY AND RELIGIOUS STUDIES

“Competing Realities and Constructed Truth: Sophism in Philosophy and Politics”

Danielle Roush

Dr. Aristotelis Santas, Faculty Adviser

“Death and the Gede Lwa in Haitian Vodou”

Brian Dodd

Dr. Lavonna Lovern, Faculty Adviser

“Paul Tillich on Being and the Ultimate Concern”

Brian Dodd

Dr. Lavonna Lovern, Faculty Adviser

“Some Pros and Cons of Existentialism”

Robert Eric Spivey

Dr. Lavonna Lovern, Faculty Adviser

“The Akan: Fate, Conception, Death and Beyond”

Colin James Law

Dr. Lavonna Lovern, Faculty Adviser

“Understanding Buddhist Social Action in Myanmar”

Jason Cole Singletary

Dr. Michael Stoltzfus, Faculty Adviser

“Women in Buddhism: A Path to Enlightened Equality”

Sydney Beckmann

Dr. Lily C. Vuong, Faculty Adviser



**“Analysis of Change to the Vegetation of the Okefenokee Swamp
After the 2007 Wildfire”**

Justin A. Ham
Dr. Paul C. Vincent, Faculty Adviser

**“Comparison of $\delta^{18}\text{O}$ and δD of South Beach Ocean Water
to the Southwest Florida Estuaries”**

Jan Paul Acevedo
Dr. Weimin Feng, Faculty Adviser

“Deployable Solar Concentrators for Use in Space”

Ethan Nino
Dr. Francis Flaherty, Faculty Adviser

**“Determining Correction Factors to the Alfvén Speed
in Astrophysical Plasmas”**

Brian Shanken
Dr. Dereth J. Drake, Faculty Adviser

Development of the Ethanol Industry in the 21st Century”

Rodrica A. Davis Jr.
Dr. Michael G. Noll, Faculty Adviser

“Measurements and Analyses of Beam Deflection”

Terry Collin Ho
Dr. Barry Hojjatie, Faculty Adviser

**“Modeling Irregular Porous Materials by Ultrasound: Application
to Lung-Tissue, and Complex Composite Materials”**

Jared C. Harris
Dr. Hasson M. Tavossi, Faculty Adviser

**“Origin of Pegmatites in the Western Blue Ridge of Union
and Pickens Counties, Georgia”**

Richard Warren Thomas
Dr. Mark S. Groszos, Faculty Adviser

**“Petrographic Analysis of the Altamaha Formation Outcrop
of Turner County”**

Ethan W. Bundrick
Dr. Mark S. Groszos, Faculty Adviser



“Stream Networks Above and Below Cody Escarpment”

Elizabeth Pierce
Dr. Donald Thieme, Faculty Adviser

**“Structural Analysis of Bedrock Fractures Along the Suwannee
River, Suwannee County, Florida”**

Joshua R. Funte
Drs. Mark S. Groszos and Can Denizman, Faculty Advisers

“The Urban Heat Island Effect in Atlanta, Georgia”

Chris Ryan
Dr. Jason Allard, Faculty Adviser

**“Water Chemistry Analysis of Surface – Groundwater Interactions
of the Withlacoochee Sink Area”**

Eric Emmett
Dr. Can Denizman, Faculty Adviser

“Water Quality at Three Blackwater Stream Sites, South Georgia”

Charles R. Nimmo

Dr. Donald M. Thieme, Faculty Adviser

POLITICAL SCIENCE

“How Accurate Were the Polls in the 2012 Presidential Election?”

Margaret Maynard

Dr. James LaPlant, Faculty Adviser

“Party Loyalty in the 111th U.S. Senate”

Kenneth Donte Holiday

Dr. James LaPlant, Faculty Adviser

**“The 2012 Charter Schools Constitutional Amendment in Georgia:
A County-level Analysis of the Election Results”**

Christopher John May

Dr. James LaPlant, Faculty Adviser



“The Fallen General”

Miguel Cortes

Dr. Steven Nawara, Faculty Adviser

**“The Green Machine: Voting Behavior on the Recreational
Use of Marijuana”**

Taton Thompson
Dr. James LaPlant, Faculty Adviser

“The United Arab Emirates: The Constitution, Rights, and Freedoms”

Shelby Caroline Simmons
Dr. Marc Pufong, Faculty Adviser

PSYCHOLOGY AND COUNSELING

**“Effects of Hair Length and Participant Gender on Ratings
of Beauty and Femininity”**

Kristen Dawn Hilton
Dr. Jeremy Tost, Faculty Adviser

“Effects of Locus of Control and Dream Recall Training on Dreaming”

Crystal Dawn Logan
Dr. Jeremy Tost, Faculty Adviser

“The Effect of Aromatherapy on Alertness”

Nancy Rachel Albritton
Dr. Julie Troyer, Faculty Adviser

“The Effects of Caffeine and Music Genre on Scholastic Ability”

Lisa Michelle Wiltsee
Dr. Jeremy Tost, Faculty Adviser

**“The Role of Age of Victim on Attribution of Fault
in Relation to Schadenfreude”**

Benjamin Richard Fawcett
Dr. Mark Whatley, Faculty Adviser

SOCIOLOGY, ANTHROPOLOGY, AND CRIMINAL JUSTICE

“A Sociological Perspective on Teenage Drug Use”

Samantha Wheeler

Dr. Michael Meacham, Faculty Adviser

“Rate of Decomposition in Pig Carrion”

Carrie D. McKenzie

Dr. Joyce Chan, Faculty Adviser



We Want Your Feedback!

Please complete a survey about your experience at the 2013 Undergraduate Research Symposium. Students, faculty, staff, and community members are encouraged to submit feedback so we can improve future events. The following QR code as well as weblink provide access to the survey:



<http://tinyurl.com/bpjzwge>

UNDERGRADUATE RESEARCH COUNCIL

The Undergraduate Research Council of Valdosta State University was organized in the fall semester of 2011. Membership includes faculty representatives from the undergraduate academic departments and programs at VSU. The Council is charged with promoting undergraduate students' interest in research, with seeking ways to promote undergraduate students' involvement in research activities, and with helping faculty identify opportunities to involve undergraduates in research. The Council supports the implementation of Valdosta State University's Quality Enhancement Plan, which promotes undergraduate engagement in discipline-based inquiry.

COUNCIL MEMBERS 2012-2013

Dr. James T. LaPlant, Chair of the Undergraduate Research Council
Dr. Cindy Prater, Adult and Career Education
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