

**Tuesday
April 8
Oral Presentations Onsite
Student Union Theater**

8:00-9:15

Moderator: Dr. Samantha Paul

Aniste Marie Pascale Philor

Healthcare beyond Borders: Overcoming Culture, Linguistic, and Systemic Challenges for Immigrants

Faculty Sponsors: Dr. Ellis Logan and Dr. A.J. Ramirez
Department of Sociology, Anthropology and Criminal Justice

Ralph Avery

Quantum Consciousness and Its Potential Future

Faculty Sponsor: Dr. Martha Leake
Department of Applied Mathematics and Physics

Alexis K. Herman

Mental Health in Adolescents

Faculty Sponsor: Dr. Phillip Storey
Department of Sociology, Anthropology and Criminal Justice

Saydee Najarro

Childhood Adversity and Future Educators: A Comparative Study of ELED and Non-ELED Students' ACE scores

Faculty Sponsor: Dr. Forrest Parker
Department of Teacher Education

Airionna Fordham

Evaluation of Antibacterial Properties in Natural Bioactive Compounds

Faculty Sponsor: Dr. Gopeekrishnan Sreenilayam
Department of Chemistry and Geosciences



9:30-10:45

Moderator: Dr. Zulal Denaux

Steven E. Covington

*Democratization across the Globe:
Historical Context and Contemporary Factors*

Faculty Sponsors: Dr. Michael J. Baun and Dr. James LaPlant
Department of Political Science

Natalia Guadalupe Charles

*A Study of First-Generation College Students from
Migrant Farm Worker Families*

Faculty Sponsor: Dr. Anne Price
Department of Sociology, Anthropology,
and Criminal Justice



Margaret Ellison Smith

Who is Running the Agricultural Industry?

Faculty Sponsor: Dr. Keith Lee
Department of Political Science

Trevor Hanchey

Determining the Strength of Decks in a Mobile Card Game

Faculty Sponsor: Dr. Andreas Lazari
Department of Biology

11:00-11:50

Moderator: Dr. Ahana Roy Choudhury

Carman N. Patterson

Do you Think Family Structure has an Impact on Juvenile Delinquency?

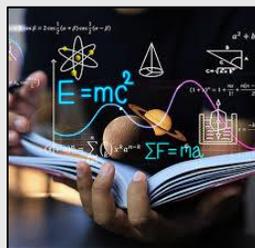
Faculty Sponsor: Dr. Anne Price
Department of Sociology, Anthropology
and Criminal Justice



Oscar Shute

***From Wartime Campus to Modern College:
How WWII Transformed Georgia State Women's College and South Georgia***

Faculty Sponsor: Dr. Melanie Sue Byrd
Department of History, Philosophy, Religion,
and Interdisciplinary Studies



Kassidy J. Hernandez

***Forecasting Harvard Early Action Admissions through
Mathematical Models***

Faculty Sponsor: Dr. Andreas Lazari
Department of Applied Mathematics and Physics

12:00-12:50

Moderator: Dr. Tom Aiello

Spotlight on Internships in Africana Studies

**Meia Little, M. Hannah Moss,
Brittany Palmore, and Kai Ward**

Sponsors: Dr. Antoinette Gazda and Dr. Joseph Robbins

Students in the inaugural cohort of the Mellon Foundation grant will discuss their internship experiences with a variety of community partners and governmental entities. The internships are focused upon improving the quality of life in our region as well as community engagement by our students in the humanities.



1:00-1:50

Moderator: Dr. Anne Price

Reagin M Jones

***Language, Policy, and Justice:
Schools as a Safe Space in Wake of Executive Order 14148***

Faculty Sponsor: Dr. Ericka Parra
Department of Modern and Classical Languages



Clarissa A. Mallory

***The Extent to which the Willingness to Learn about New
Knowledge Relates to the Level of Receptiveness to Cultural Diversity***

Faculty Sponsor: Dr. Chia-ling Ho
Department of Communication Arts

Cathy Jan M. Bowen

***Fact to Fiction:
The Historical Context of The Handmaid's Tale***

Faculty Sponsor: Dr. Chere Peguesse
Departments of English and History

Jasmine Battee

***How does Parental Incarceration and the Foster
System affect Juvenile Crime?***

Faculty Sponsor: Dr. Anne Price

2:30-3:45

Moderator: Dr. Samantha Paul



Remy Barclay

Are We So Different?

An Analysis of Fashion in the Romantic Age

Faculty Sponsor: Dr. Ubaraj Katawal

Department of English

Lindsay Henshaw

Perceptions of Educators through the Lens of Gender

Dr. Ellis S. Logan and Mr. Phillip Storey

Department of Sociology, Anthropology, and Criminal Justice

Jaden Markee Rogers

***How Louverture used his Leadership Skills during the
Haitian Revolution***

Faculty Sponsor: Dr. Mary Block

Department of History, Philosophy, Religion,
and Interdisciplinary Studies

4:00-5:30

Moderator: Dr. James LaPlant

Addeline S. Wright

The Communication Question: Finding a Method of Communication for a d/Deaf or Hard of Hearing Child

Faculty Sponsor: Dr. Laura Abercrombie
Department of Communication Sciences and Disorders

Aniste Marie Pascale

Bridging gaps in Immigrant healthcare: Disparities, Methodologies, cultural competence training, and technological innovation

Dr. Ellis S. Logan and Dr. Anne Price
Department of Sociology, Anthropology, and Criminal Justice

Jocelyn Cooley, Emma Ham, Robert Winfield, Madeleine Mayer

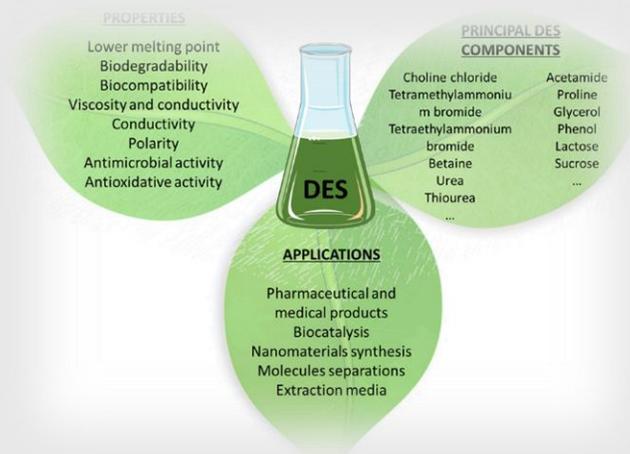
Waist to Height Ratio is Not a Superior Proxy Measure of Visceral Adipose in Reserve Officers' Training Corps Cadets

Faculty Sponsor: Dr. Mark J. Kasper
Department of Health Sciences

David B. Vasquez

UV Analysis of Engineered Heme Biocatalyst Stability in Deep Eutectic Solvents

Dr. Gopeekrishnan Sreenilayam
Department of Chemistry and Geosciences



6:00

SYMPOSIUM SPEAKER

Moderator: Dr. Fred Knowles, Jr.

6:00 pm

Student Union Theater

Dr. Kent Blansett

***Writing Biography: A Journey to
Freedom***

University of Kansas



Door Prizes For Book Signing will be Drawn

**Wednesday
April 9
Oral Presentations
Student Union Theater**

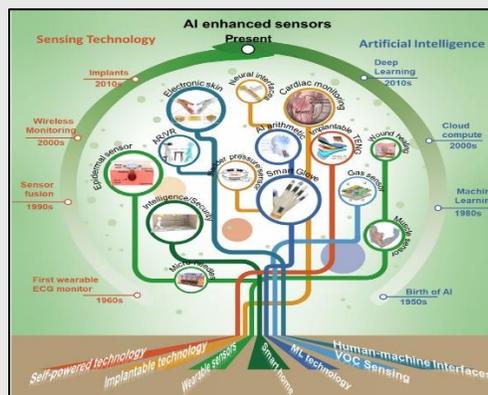
8:00-8:50

Moderator: Dr. Glenda Swan

Bogeon Lee

***Application of Electrical Sensor and AI technology to
Improve Quality of Life***

Faculty Sponsor: Dr. Shantanu Chakraborty
Department of Computer Science and Engineering Technology



Andrew Elsenrath

***Einhart's Charlemagne:
A New Model of an Ideal "Roman" Emperor***

Faculty Sponsor: Dr. Sebastian P. Bartos
Department of History, Philosophy, Religion,
And Interdisciplinary Studies

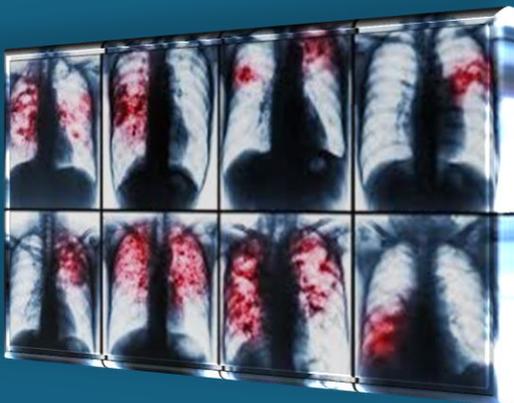
Cassandra A. Ayers

***The End of All Roads:
Imperial Nostalgia, Roman Exceptionalism, and Nationalist
Rhetoric in the 20th Century***

Faculty Sponsor: Dr. Christy Beth Yates
Department of Communication Arts

9:00-9:50

Moderator: Morgan Wynn



Spotlight on Tuberculosis and Chemistry

Pearce Persaud, Connor bland, Victoria Kent, and Kailyn Wilson

Faculty Sponsor: Dr. Thomas Manning
Department of Chemistry and Geosciences

Tuberculosis (TB), caused by the *Mycobacterium tuberculosis*, has been a widespread deadly disease throughout human history. It is estimated that up to one billion deaths in the past 200 years can be attributed to the bacterial infection. Our lab has been investigating the role of Cu(II) as an excipient for cancer drugs, antibiotics, and anti-virals. Bedaquiline (BDQ), a molecule developed by Johnson and Johnson, was developed to treat Drug Resistant tuberculosis. It also drew worldwide controversy because of its cost (\$11,400/vial USD). The nation of India, which has over 500 million citizens with Tb, has an average salary of approximately 11,000 USD. In this study, we synthesized a novel Cu-Bedaquiline complex and had it accepted for testing at the NCI (along with pure BDQ). Pure BDQ did have some efficacy against the 60 types of cancer. But it only slightly slowed it down. The Cu-BDQ didn't just stop, but killed the cancer cell cells, in some cases it knocked out over 95% of the cancer cells with the single low dose. While we are pursuing BDQ as a cancer drug, we are also revisiting its role as an antibiotic. We have demonstrated in past studies with other antibiotics (1), with specific structural details, that Cu(II) can enhance their efficacy. Analytical work for BDQ and Cu-BDQ is being conducted by the National High Field Magnet Lab and has moved on to the next round of testing at NCI.

10:00-10:50

Moderator: Prof. Darcy Patel

Jalen Mercer

*Decline in Comparison:
The Failure of Democracy as Understood through Alberto
Fujimori's Peru and Viktor Orbán's Hungary*

Faculty Sponsor: Dr. Michael Baun
Department of Political Science



Colter R. Leasure

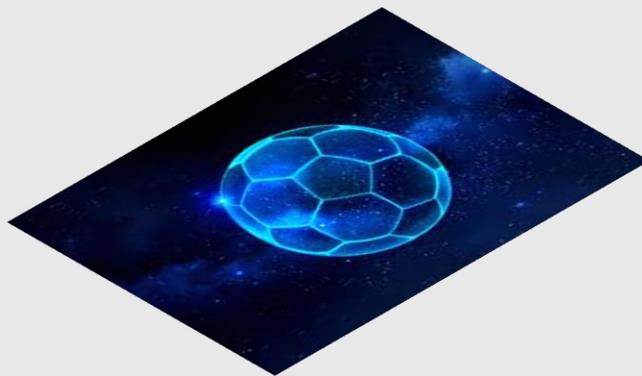
*An Examination of Retirement Plans across
Universities in the United States*

Faculty Sponsors: Dr. Sanjay Gupta and Dr. Attila Cseh
Department of Accounting

Rachel Barrett

*In The Stands and Beyond:
An In-Depth Look at Soccer Subculture in South Georgia*

Faculty Sponsor: Dr. Shelly Yankovskyy
Department: Sociology, Anthropology, and Criminal Justice



11:00-11:50

Moderator: Dr. Ahana Roy Choudhury

Kolby L. Ramsey

United States Population Growth vs. India Population Growth

Faculty Sponsor: Dr. Andreas Lazari
Department of Chemistry and Geosciences

Montesha T. Franklin

***What Roles do Environmental Factors during Egg Incubation
Play in Shaping Development in Reptiles?***

Faculty Sponsor Dr. John Phillips
Department of Biology



Elizabeth Haley

The Rise and Impact of Right-Wing Populism in Hungary

Faculty Sponsor: Dr. Michael J. Baun
Department of Political Science

12:00-12:50

PIZZA LUNCH

**Student Union Ballrooms
Symposium Participants and Faculty Sponsors Only**



1:00-1:50

Moderator: Dr. Ahana Roy Choudhury

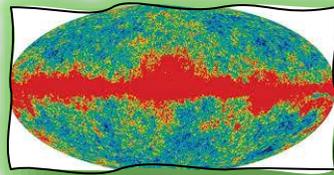


Jordan Phillips

Mistaken Identity:

***How to Eliminate the Inadequacies of
Current Forensic DNA Analysis***

Faculty Sponsor: Dr. Christine A. James
College of Honors



Myles L. Jackson

What is Cosmic Background Radiation?

Faculty Sponsor: Dr. Leake
Department of Applied Mathematics and Physics

Deborah Maxwell

Cushing's Syndrome:

A Rare and Dangerous Condition

Faculty Sponsors: Dr. Ofelia Nikolova and Dr. Grażyna Walczak
Department of Modern and Classical Languages

2:00-2:50

PERFORMANCES

Moderator: Dr. Glenda Swan

Alysia D. Johnson

***Private Lesson vs. Group-Setting Musician: How Musical
Upbringing Can affect Teachers and Musicians***

Faculty Sponsors: Dr. Kristin Pfeifer Yu and Dr. Christen Dillon
Department of Music

Ramiyah Fulton and Aidan Lee

***Unconventional Collaboration:
Exploring Unique Ensemble Pairings Music***

Faculty Sponsors: Prof. Maila Springfield, Prof. David Springfield
and Dr. Ryan Smith
Department of Music

Oscar Suy-Perez and Shanya G. Garnett

***Exploring "Por el Sur" by Remo Pignoni:
Three Unique Performances***

Faculty Sponsors: Prof. Maila Springfield, Prof. David Springfield,
and Dr. Tamara Hardesty
Department of Music and Dr. Ericka Parra
Department of Modern and Classical Languages



3:00-3:50
PERFORMANCES

Moderator: Dr. Marc Pufong



Kayla Marie Strickland, Molly K. Turner, and Jada Sanders
Exploring Romanticism and Neo-Romanticism through Chamber Music:
Bloch's Suite Hébraïque and Brahms's Geistliches Wiegenlied

Faculty Sponsors: Dr. Kristin Pfeifer Yu and Dr. Joshua Pifer
Department of Music

Kevin Juarez and Eric Rubio
Selections from West Side Story by Leonard Bernstein

Faculty Sponsor: Dr. Joshua K. Pifer
Department of Music

Griffin Hillner, Kevin Juarez, and Katherine Niles
Mini Tango for Piano 6 Hands by Manfred Schmitz

Faculty Sponsor: Dr. Joshua K. Pifer
Department of Music

4:00-5:30

Debate

Speaker of the House: Dr. Michael Eaves

Tariffs are Bad for the US Economy

Pro: Payton Galloway

Con: Reagin Jones



Webinar

<https://bit.ly/VSUUGR25>

1:00

Moderator: Dr. Ofelia Nikolova and Dr. Grażyna Walczak

Macie H. Green

*Examining the Impact of House Bill 1084:
Critical Race Theory in K-12 Classrooms*

Faculty Sponsor: Dr. Karen A. Terry
Department of Teacher Education

Lauren I. Mariah

*French: Est-ce que l'Hamlet de Thomas est encore Hamlet?
Is Thomas' Hamlet still Hamlet?*

Faculty Sponsor: Dr. Ofelia Nikolova
Department of Modern and Classical Languages

Lauren I. Mariah

*Une Illustration du monde français du passé
An Illustration of the French World of the Past*

Faculty Sponsor: Dr. Ofelia Nikolova
Department of Modern and Classical Studies

David M Faul

Le français en Louisiane : un combat pour la survie

Faculty Sponsor: Dr. Ofelia Nikolova
Department of Modern and Classical Languages

Monique N. Burts

*La Maison Dior
The House of Dior*

Faculty Sponsor: Dr. Ofelia Nikolova
Department of Modern and Classical Languages

6:00-7:30
VIDEO CONEST
Student Union Theater

Moderator: Dr. Tom Aiello

Taelynn Walton
Zika virus

Faculty Sponsor: Dr. Thomas Manning
Department of Chemistry and Geosciences

Brystan T. Carthon
Measles and the Connection to Subacute Sclerosing Panencephalitis

Faculty Sponsor: Dr. Thomas Manning
Department of Chemistry and Geosciences

**Booker Areemoshe, Darius Jackson,
and Je’Niece Manning**
Carotenoid Extractions using Deep Eutecic Solvents

Faculty Sponsor: Dr. Gopeekrishnan Sreeilayam
Department of Chemistry and Geosciences

Mallory E. Jablonski
The Unreliable Resource: Why AI Fails as a Creative Tool in Art and Design

Faculty Sponsor: Dr. Evelyn Davis-Walker
Department of Art and Design

Amanda Herndon
Crisis Prevention for Nursing Studies

Faculty Sponsor: Dr. Lisa Lowe
Department of Nursing

Shagufta Khan
The Environmental cost of AI
Faculty Sponsor: Dr. Lavonna Lovern
Department of Philosophy

Connor C. Bland and Pearce A. Persaud
Making Bacteria Glow

Biotech Lessons for the Classroom
Faculty Sponsor: Dr. Ansul Lokdarshi
Department of Biology

**Thursday
April 10
Oral Presentations
Student Union Theater**

9:30-10:45

Moderator: Dr. Gopeekrishnan Sreenilayam

Korey S. Gates

Demographics and Aspirations for a Career in Law Enforcement

Faculty Sponsor: Dr. Anna Price
Department of Sociology, Anthropology,
and Criminal Justice



Kynan Day

Optimizing, Quality, Safety and Care

Faculty Sponsor: Dr. Mohammad Movahed
Department of Healthcare Administration

Fiona C. Brightman

Carotenoid Extraction using Deep Eutectic Solvents

Faculty Sponsors Dr. Alexandrina L. Focsan
and Dr. Gopeekrishnan Sreenilayam
Department of Chemistry and Geosciences

Alyssa Archer

The Rise of Political Polarization and Democratic Backsliding

Faculty Sponsor: Dr. Bernard Tamas
Department of Political Science

11:00-11:50

Moderator: Dr. Chia-Ling Ho

INTJ INNOVATIVE, INDEPENDENT, STRATEGIC, LOGICAL, RESERVED, INSIGHTFUL, DRIVEN BY THEIR OWN ORIGINAL IDEAS TO ACHIEVE IMPROVEMENTS.	INTP INTELLECTUAL, LOGICAL, PRECISE, RESERVED, FLEXIBLE, IMAGINATIVE, ORIGINAL THINKERS WHO ENJOY SPECULATION AND CREATIVE PROBLEM SOLVING.	ENTJ STRATEGIC, LOGICAL, EFFICIENT, OUTGOING, AMBIGUOUS, INDEPENDENT, EFFECTIVE ORGANIZERS OF PEOPLE AND LONG-RANGE PLANNERS.	ENTP INVENTIVE, ENTHUSIASTIC, STRATEGIC, ENTERPRISING, INQUIRITIVE, VERSATILE, ENJOY NEW IDEAS AND CHALLENGES, VALUE INSPIRATION.
INFJ IDEALISTIC, ORGANIZED, INSIGHTFUL, DEPENDABLE, COMPASSIONATE, GENTLE, SEEK HARMONY AND COOPERATION, ENJOY INTELLECTUAL STIMULATION.	INFP SENSITIVE, CREATIVE, IDEALISTIC, RESERVATIVE, CARING, LOYAL, VALUE INNER HARMONY AND PERSONAL GROWTH, FOCUS ON DREAMS AND POSSIBILITIES.	ENFJ CARING, ENTHUSIASTIC, DEPENDABLE, ORGANIZED, DIPLOMATIC, RESPONSIBLE, SKILLED COMMUNICATORS WHO VALUE CONNECTION WITH PEOPLE.	ENFP ENTHUSIASTIC, CREATIVE, SPONTANEOUS, OPTIMISTIC, SUPPORTIVE, PLAYFUL VALUE INSPIRATION, ENJOY STARTING NEW PROJECTS, SEE POTENTIAL IN OTHERS.
ISTJ RESPONSIBLE, SINCERE, ANALYTICAL, RESERVED, REALISTIC, SYSTEMATIC, HARDWORKING AND TRUSTWORTHY WITH SOUND PRACTICAL JUDGEMENT.	ISFJ WARM, CONSIDERATE, GENTLE, RESPONSIBLE, PRAGMATIC, THOROUGH, DEVOTED CARETAKERS WHO ENJOY BEING HELPFUL TO OTHERS.	ESTJ EFFICIENT, OUTGOING, ANALYTICAL, SYSTEMATIC, DEPENDABLE, REALISTIC LIKE TO RUN THE SHOW AND GET THINGS DONE IN AN ORDERLY FASHION.	ESFJ FRIENDLY, OUTGOING, RELIABLE, CONSCIENTIOUS, ORGANIZED, PRACTICAL, SEEK TO BE HELPFUL AND PLEASE OTHERS, ENJOY BEING ACTIVE AND PRODUCTIVE.
ISTP ACTION-ORIENTED, LOGICAL, ANALYTICAL, SPONTANEOUS, RESERVED, INDEPENDENT, ENJOY ADVENTURE, SKILLED AT UNDERSTANDING THINGS.	ISFP GENTLE, SENSITIVE, HUMILITARIAN, HELPFUL, FLEXIBLE, REALISTIC, SEEK TO CREATE A PERSONAL ENVIRONMENT THAT IS BOTH BEAUTIFUL AND PRACTICAL.	ESTP OUTGOING, REALISTIC, ACTION-ORIENTED, CURIIOUS, VERSATILE, SPONTANEOUS, PRAGMATIC PROBLEM SOLVERS AND SKILLFUL NEGOTIATORS.	ESFP PLAYFUL, ENTHUSIASTIC, FRIENDLY, SPONTANEOUS, TACTFUL, FLEXIBLE, HAVE A STRONG COMMON SENSE, ENJOY HELPING PEOPLE IN TANGIBLE WAYS.

Demetria A. Wright

Expressionism in Church and its affects on Personality Types

Faculty Sponsors: Dr. Logan Ellis and Dr. Anne Price
Department of Sociology, Anthropology,
and Criminal Justice

Sabrina R. Maine

The Sixth Amendment:

The Examination of Case Law and Evolution of Defendants' Rights

Faculty Sponsor: Dr. Fred Knowles jr.
Department of Sociology, Anthropology,
and Criminal Justice

Cecilia G. Kee

Trauma Makes You Interesting:

PTSD and Brain Development in Adolescents

Dr. Shelly Yankovskyy
Department of Sociology, Anthropology,
and Criminal Justice

12:00-12:50

Graduate Panel

Moderator: Dr. Kelly Davidson

Lauren Mariah-Paris

*Between the Wars:
The Hothouse for Women Artists*

Kiley Olchaskey

*Solidarity Between Queers:
Reading Jordan Baker and Nick Carraway in a
“Lavendar Marriage”*

Georgia Wynn

*The Poison Trickles Down:
Maternal Trauma in Gillian Flynn’s Sharp Objects*

Sheena Martin

*Social Stratification of ACE Biomarkers:
A Story of Perpetual Inequality*

Trinity Williams

*Let’s Talk Allergies:
An Analysis of an Online Community
of Allergy Sufferers*

1:00-1:50

PERFORMANCES

Moderator: Dr. Susan Boddie

Griffin D. Hillner and Katherine A. Niles

Showcasing The Sleeping Beauty Waltz for Four Hands

Faculty Sponsor: Dr. Joshua Pifer

Department of Music

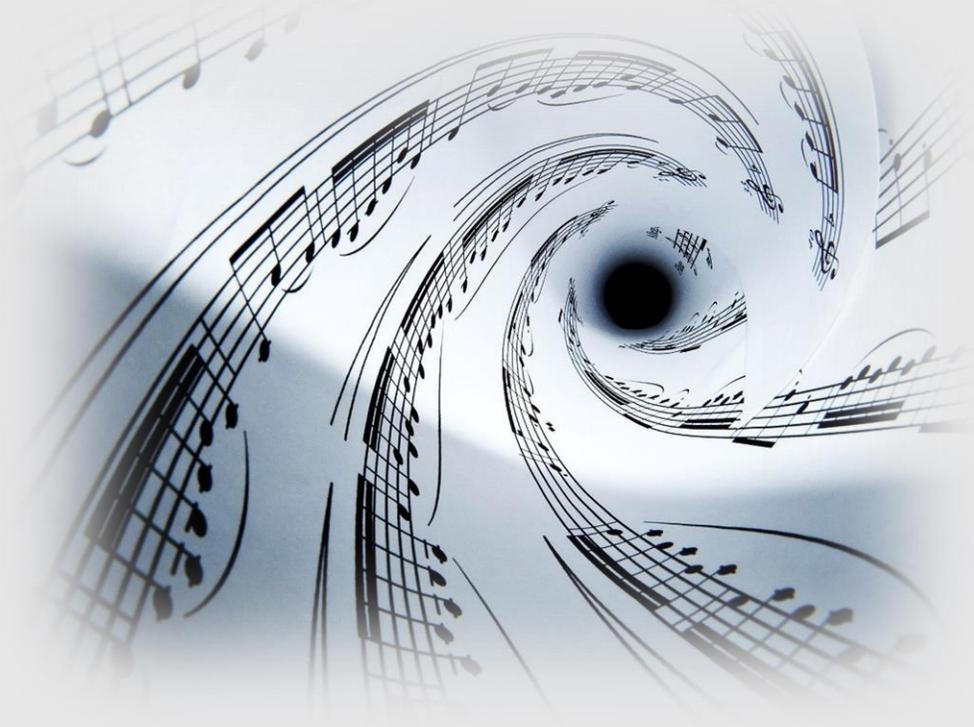
Danarieza Villa Nuñez and Soyeon Lee

Seligkeit by Franz Schubert (1797-1828) and Because by

Florence Price composer (1887-1953)

Faculty Sponsors: Dr. Susan Boddie and Dr. Beibei Lin

Department of Music



2:00-2:50

Moderator: Dr. Sarah FitzGerald

Sianna Knight

Decolonizing Black Masculinity: Slavery's Effects on Black Men's Relationship with Masculinity During the Civil Rights Movement

Faculty Sponsor: Dr. Sarah FitzGerald
Department of History, Philosophy, Religion
and Interdisciplinary Studies

Rachel Barrett

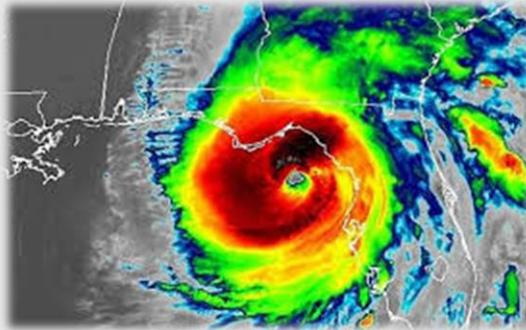
The Stands and Beyond: An In-Depth Look at the Soccer Subculture in South Georgia

Faculty Sponsor: Dr. Shelly Yankovskyy
Department: Sociology, Anthropology, and Criminal Justice

Jacob Avila

The Immediate and Lasting Effects of Hurricane Helene

Faculty Sponsor: Dr. Shelly Yankovskyy
Department: Sociology, Anthropology, and Criminal Justice



Shagufta Khan

***Can We Reverse Desertification?
Innovations in Land Restoration***

Faculty Sponsor: Dr. Lavonna Lovern
Department of History, Philosophy, Religion
and Interdisciplinary Studies

3:00-3:50

Moderator: Dr. A.J. Ramirez

**Spotlight on Internships in Modern and Classical Languages and
Women's and Gender Studies**

Averi L. Keller, Jermarcus T. Green, and Wanda D. Gabriel
Faculty Sponsors: Dr. A.J. Ramirez
and Dr. Ericka H. Parra

Students in the inaugural cohort of the Mellon Foundation grant will discuss their internship experiences with a variety of community partners and governmental entities. The internships are focused upon improving the quality of life in our region as well as community engagement by our students in the humanities.



6:00-7:30
Posters Presentations
Student Union Ballrooms

College of the Arts

Department of Art and Design

Sarah Pirkle

The Magdalen Laundries and the Art of Imagination

Faculty Sponsor: Dr. Glenda Swan

Megan N. White

Liza Lou's Kitchen and the Art within Domestic Labor

Faculty Sponsor: Dr. Glenda Swan

Simon Gunnarsson

*Planning an Exhibition as an Intern at the
Turner Center for the Arts*

Faculty Sponsor: Dr. Glenda Swan

Haley D. Miller

Artists Dealing with Identity and Memory in the Post-Holocaust Era

Faculty Sponsor: Dr. Rebecca Reynolds

Department of Communication Arts

Ashley S. Jones

Exploring the Relationship between Loud Music and Anxiety

Faculty Sponsor: Dr. Chia-ling Ho



**Harley Langdale, Jr. College of
Business Administration**

Department of Finance and Economics

Chrystal Aaliayah Shadai Young
*Analyzing the Implications of Extending Foster
Care Beyond the Age of 18*

Faculty Sponsor: Dr. Murshed Jahan

**James L. and Dorothy H. Dewar College of
Education and Human Services**

Department of Teacher Education

Baileigh N. Rowland
*The Impact of Trauma on Classroom Management:
Perspectives from Future Educators*

Faculty Sponsor: Dr. Forrest Parker

Lauriana R. Waddell
*The Effects on Parental Involvement on Elementary
Students' Academics and Behaviors*

Faculty Sponsor: Dr. Forrest Parker

Department of Communication Science and Disorders

Wesleany Sasiain
The Silent Call for Action:
**Understanding the Impact of Climate Change on
Communication Disorders**

Faculty Sponsor Dr. Chere Pegueese

College of Humanities and Social Sciences

Department of English

Cinia J. Bailey

*Investigating Idiopathic Toe Walking:
Exploring Treatment Approaches to Uncover Potential Causes*

Faculty Sponsor: Prof. Lizbeth A. Heath

Nyasia Watkins

*Emotional Regulation and Family Dynamics:
Supporting Children's Well-Being During Parental Separation*

Faculty Sponsor: Dr. Chere Peguesse

Department of History, Philosophy, Religion, and Interdisciplinary Studies

Alexia M. Griffin

*How did Pola Negri Impact or Affect the Entertainment
Industry or Movies in America?*

Faculty Sponsor: Dr. John Dunn

Markee S. Schaeffle

*Public Canvas, Private Voices:
The Ethical Dimensions of Graffiti and Street Art*

Faculty Sponsor: Dr. Lavonna Lovern

Margaret Ellison Smith

*Are We Really That Polarized?
Do We Have as Many Liberties as We Think We Do?*

Faculty Sponsor: Dr. Lavonna Lovern

Shagufta Khan

*From Lab to Life:
How AI Is Accelerating Medical Breakthroughs*

Faculty Sponsor: Dr. Lavonna Lovern

Amanda L. Hopper

Metalsmithing and Jewelry Making Techniques

Faculty Sponsor: Dr. Lavonna Lovern

Department of Modern and Classical Languages

Shatavia J. Harris

*The Role of the Negotiation of Meaning in
Second Language Acquisition*

Faculty Sponsor: Dr. Victoria Russell

Department of Sociology, Anthropology, and Criminal Justice

Sidney Wilson

*Impression Management at Work:
Hustle Culture's effect on Wellbeing and its Expression on Social Media*

Faculty Sponsor: Dr. Ellis S. Logan

Shenteice N. Smart

*What Does the U.S. Population Think about the Root Causes of
Crime, Recidivism, and Best Practices to Rehabilitate Offenders?*

Faculty Sponsor: Dr. Anne M Price

Kayla Mattox

Artificial Intelligence in Medicine

Faculty Sponsors: Dr. Ellis S. Logan and Dr. Anne Price

Shanice Jones

*Surviving Minimum Wage:
An Analysis of the Financial Impacts of Minimum Wage Work*

Faculty Sponsors: Dr. Ellis S. Logan and Dr. Anne Price

Isabella Woodley

*Impact of Race and Gender on Police Stop Frequency
in Charlotte, North Carolina:*

An Analysis of Discrepancies in Law Enforcement

Faculty Sponsor: Dr. Ellis S. Logan and Dr. Anne Price

Emily C. Hanna

*Does Living On or Off Campus and Distance from Home
Affect Social Interactions within Peers?*

Faculty Sponsor: Dr. Anne Price

Mya Clinique Saffo

How Does the Structure of an Individual's Home Life and his/her Peer Influence Affect the Likelihood of Engaging in Juvenile Delinquent Activities?

Faculty Sponsor: Dr. Anne Price

Steve D. Salomon

The Adultification of Black Boys in Society and Media

Faculty Sponsor: Prof. Phillip Storey

Kaylie M. Degale

How Does Having a College Education Play a Role in Identity Politics and Why People Vote the Way That They Do

Faculty Sponsor: Dr. Ellis S. Logan

Sabrina R. Maine

Assessing the “Perfect” Correctional Substance Abuse Program: A Comparative Analysis of Existing Programs to Integrate Strengths and Address Weaknesses

Faculty Sponsor: Prof. Joshua Atkins

Annsley I. Mohr

How the MAOA Gene is Linked to the United States Criminal Justice System

Faculty Sponsor: Dr. Shani Wilfred



Brandy Hampton

How Does Working More than 20 Hours Per Week and Commuting Affect Students Grade Point Average?

Faculty Sponsor: Dr. Anne Price

Department of Political Science

Reagin M. Jones

The Art of Instability: Russia's Hidden Agenda in Frozen Conflicts

Faculty Sponsor: Dr. Michael Baun

Jasmine N. James and Jacob Bachrach

Law, Justice, and Rights in Modern Columbia

Faculty Sponsor: Dr. Marc C. Pufong

Benjamin E. Elliott

Georgia Turns Red Again:

Analyzing the Key Predictors of the Trump Vote in the 2024 Presidential Election across the Counties of Georgia?

Faculty Sponsor: Dr. James LaPlant

Lacandra E. Davis

Assessing Barbados:

Constitutional Regime Change, Citizenship Rights, and the Rule of Law

Faculty Sponsor: Dr. Marc Pufong

Mercedes L. McElroy

Religion and its Potential to Affect Democratic and Republican Voting

Faculty Sponsor: Dr. Bernard Tamas

Khlanina N. Gibson

US Foreign Aid/Investment across Africa:

Key Predictors of the Level of Foreign Aid and Investment in Countries

Faculty Sponsors: Dr. James LaPlant and Dr. Michael Baun

Victoria Tanner

*Modern Qatar Theocracy, Changing Ideas of
Citizenship, and Rule of Law*

Faculty Sponsor: Dr. Marc Pufong

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Madison R. Williams

Salivary Cortisol in Undergraduate Students during Exam Time

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Pearce A. Persaud and Connor C. Bland
*A Systemic Review of Moral Injury and Compassion Fatigue
and Prevention Strategies in Healthcare Professionals*

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Jayla M. Lewis
*Like Moths to a Flame:
The Relationship Between Cognitive Processes and College Major Choice*

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Frederick N. Lee
Self-Behavior Project: Interacting with Others

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*Adverse Childhood Experiences (ACEs) and Adult Well-Being:
How ACEs impact Self-Efficacy and Psychological
Well-Being in Veteran Populations*

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**Lindsey M. Sparks, Jayla M. Lewis, Danielle M. Durant,
Makaila V. Warrington, Yoselyn J. Molina Melendez,
and Brenda A. Morales Nunez**
*Development of an Attitudes Toward Black Women in
Leadership Positions Scale*

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*Predicting Stress Levels: Common Factors Likely to affect
Stress Levels among College Students*

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Ghavin A. Okorley
*Is Beauty Skin Deep?
How Sex and Skin tone Influences Attractiveness and Personality*

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College of Science and Mathematics

Department of Applied Mathematics and Physics

Jordan Hewins, Ian McLean, and Jasmine Freeman
Simulating a Stable Orbital Solution for the Kepler-62 System
Faculty Sponsor: Dr. Martha A. Leake

Marissa A. Norlund and Kisten N. Speldrick
Comet Light Curve and Image Reduction with Open-Source Software
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Lauren Taunton and Sarah Glass
Using Origami to Explore Geometry
Faculty Sponsors: Dr. Denise Reid and Dr. Arsalan Wares

Jasmine Freeman
Modeling Exoplanet Transits using Bayesian Analysis
Faculty Sponsor: Dr. Jiayin Dong



Department of Biology

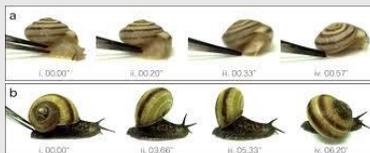
Anthony M. Giles, Damon E. Negron, and Mia K. Price
Agrobacterium-Mediated Transient Gene Expression in Pansy Flowers
Faculty Sponsor: Dr. Ansul Lokdarshi

Emily J. Ramirez-Choxom and Mia Price
*Sexual Selection in Betta splendens:
Female Preferences and Male Mating Strategies*
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Shyanne R. Christner
*Mosquitofish Ventilation Rate and Parasitism in Drexel Park
(Gambusia holbrooki)*
Faculty Sponsor: Dr. Emily Rose

**Jordan S. Gonzalez, Layla N. Gay, Thomas C. Emery,
and Cheyenne M. Stapleton**
*Morphological Evolution of Land Snails in South America
(Bostryx, Chiliborus, and Plectostylus)*

Faculty Sponsor: Dr. John Phillips



Cameron A. Jackman and Charly L. Mitchell
Associated Complications of GCK MODY

Faculty Sponsor: Dr. Eric Chambers

Leslie Hunt, Siya Brahmhatt, and Chistabel Ofori
*Learning Transient Protein Expression in
Nicotiana benthamiana Plant Leaves*

Faculty Sponsor: Dr. Ansul Lokdarshi

Charly Mitchell, Zacchaeus Kier, Ali Ashraf, and T. Mason Linscot
Gene Flow of Peanut snails (Cerion) in the Florida Keys

Faculty Sponsor: Dr. John G Phillips

Pearce A. Persaud and Connor C. Bland
*Tracking Movement of Brown Marmorated Stink Bugs
(BMSB) from Sassafras Trees to Crop Fields Using
Mark-Recapture and ELISA Detection*

Faculty Sponsor: Dr. Ansul Lokdarshi

Department of Chemistry and Geosciences

Joseph A. Markovic, Sarah A. Rourke, and Saul Torres
*Iron(III) Oxide Nanocrystalline Photoanodes
Modified with Pluronic Polymers*

Faculty Sponsor: Dr. Linda de la Garza

David B. Vasquez
*Anaerobic and Aerobic Performance of Mb(H64V,V68A)
in Deep Eutectic Solvents*

Faculty Sponsor: Dr. Gopeekrishnan Sreenilayam

Jalen Jovan Bell

A Prehistoric Story through SUDOKU Puzzled Style

Faculty Sponsor: Dr. Thomas Manning

Braden M. Hendrix

Antibiotics and the Infections and Diseases Each Can Treat

Faculty Sponsor: Dr. Thomas Manning

Jordan Elizabeth Flemming

Novel Probe for Extracellular Measurement of Superoxide

Faculty Sponsor: Dr. Yakov Woldman

Oluwatobi A. Salami

*Extraction of Carotenoids from Oranges using
Nonionic Deep Eutectic Solvents*

Dr. Gopeekrishnan Sreenilayam, Dr. Alexandrina Foscan,
and Dr. Tolulope Salami

Martha Nepomuceno

*Understanding Cancer and Its Treatments
through a Sudoku-Style Puzzle*

Faculty Sponsor: Dr. Thomas Manning

**Allayna P. Henriquez, Carissa G. Reonas, Clayton J. Gall,
David B. Vasquez, James A. Smith, Joseph A. Markovic,
Kelsie A. Hagood, and Saul A. Torres**

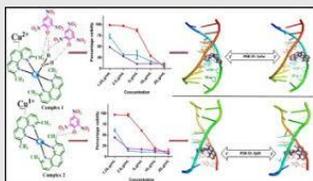
*The Role of Computational Chemistry (QSAR) in Improving
Water Solubility in Pharmaceuticals*

Faculty Sponsor: Dr. Thomas Manning

**Pearce Persaud, Victoria Kent,
Kailyn Wilson, and Connor Bland**

*The Potential Role of the Cu(II) Ion As An Excipient:
The Bedaquiline and Taxol Story*

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Gracin D. Carter

Learning Different Genetic Compromises of Dogs and the Treatment used through Sudoku puzzles

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Mackenzie N. Mason

Autoimmune Disorders: Through the Game of Sudoku

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Mary Aniston Groom

Types of Farm Animals Diseases and how They are Treated through a Game of Sudoku!

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Amelia C. Music

Learning Permian Animals Through Sudoku Style Puzzles!

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Richard M. Varn III

The Human Immune System and Its Components

Faculty Sponsor: Dr. Thomas Manning

Anthony M. Giles and Damon E. Negron

Synthesis and Potential Antibiotic Properties of Halogenated Chiral Schiff Bases

Faculty Sponsor: Dr. Gopeekrishnan Sreenilayam

Allayna P. Henriquez

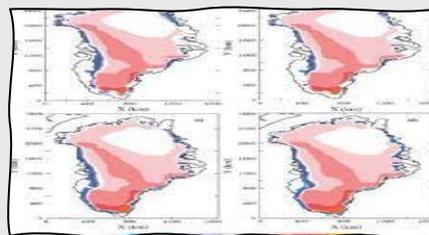
Optimization of Photodimerization reaction of Thymine

Faculty Sponsor: Dr. Shipra Gupta

Alma V. Diaz

Comparative Analysis of Spatial Variability in GrIS Surface and Glacial Bed Roughness

Faculty Sponsors: Dr. Alexander Robel and Dr. Jia Lu



Alma Diaz and Mercedes McElroy
Analysis of COVID-19 Impact on Nursing Homes
Faculty Sponsor: Dr. Jia Lu

**Emily Myers, Marlee Cannady, Ashley Marshall, Alex Buhl,
Andrew Elsenrath, Kendrick Nelson, Josie Kitchens, and Robrianna Coney**
Analysis of Employer-Assisted Housing Programs in the U.S.
Faculty Sponsor: Dr. Jia Lu

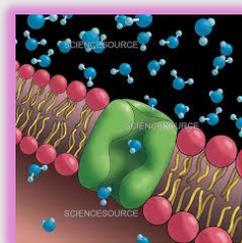
Karli Icard
*Exploring the Synthesis, Characterization and Adhesion of
Prussian Blue Analogs (PBAs) on Working Electrodes Surfaces*
Faculty Sponsor Dr. Tolulope Salami

Tara Brooks
Understanding Medications
Faculty Sponsor: Dr. Thomas Manning

Alyssa L. McBride
Infectious Disease
Faculty Sponsor: Dr. Thomas Manning

Camryn T. Jones
*Reinforcing Knowledge and Terminology of Insect
Species through Sudoku Style Puzzles*
Faculty Sponsor: Dr. Thomas Manning

Darius G. Jackson and Alivia L. Corbitt
Aquaporins
Faculty Sponsor: Dr. Donna Gosnell



Carlton W. Francis
Linear Dichroism in Stretched Films
Faculty Sponsor: Dr. Donna Gosnell

Caidyn D. Carr and Carlton W. Francis
*Purification of Membrane Proteins and Detection of
Aquaporin in Yeast and Bacteria*

Faculty Sponsor: Dr. Donna Gosnell

Savanna L. Burks
*More on Self-Reversal of Thermal Remanent Magnetization:
Unusual Rock-Magnetic Behavior as a Phenomenon Trigger*

Faculty Sponsor: Dr. Evgeniy Kulakov

Emily M. Hutchins
Fracture Analysis for the Upper Withlacoochee River

Faculty Sponsor: Dr. Can Denizman

Stephen C. Maddox
*Analyzing *Metaxytherium floridanum*:
Ancient Intermediate Dugong of Florida*

Faculty Sponsor: Dr. Donald Thieme

Thomas G. Spooner
*The Use of Computational Techniques to Predict
Medicinal Properties of Some Prominent Antibiotics*

Faculty Sponsor: Dr. Thomas Manning

**Jared Martin, Carlton Francois, Kelsie Hagood,
James Smith, and Thomas Rideau**
A Green Tech Material as a New Insulation for Buildings

Faculty Sponsor: Dr. Thomas Manning

Leslie Hunt
Making Oyster Restoration a Chemistry Problem to Solve

Faculty Sponsor: Dr. Thomas Manning

Ashley James
Using Sudoku to Teach the Major Body Systems

Faculty Sponsor: Dr. Thomas Manning

Jada Eguavo
*Reinforcing Knowledge and Terminology through
Sudoku-Styled Puzzles!*

Faculty Sponsor: Dr. Thomas Manning

**Pearce Persaud, Victoria Kent,
Kailyn Wilson, and Connor Bland**

Bedaquiline:

From Antibiotic to Cancer Drug and Back

Faculty Sponsor: Dr. Thomas Manning

Jared Martin

Learning Animal Phyla through Sudoku Style Puzzles!

Faculty Sponsor: Dr. Thomas Manning

**Carlton W. Francis, James A. Smith, Jared Martin,
K.H. Kelsie, A. Hagood, and Thomas Rideau**

Developing a Green Technology Material

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Darius Jackson

Nutrient Friendly Surfaces to Regenerate Oyster Populations

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Areemoshe Booker, Darius Jackson, and Je’Niece Manning

Deep Eutectic Solvents for Carotenoid Recovery:

Enhancing Efficiency Through Green Extraction

Faculty Sponsor: Dr. Gopeekrishnan Sreenilayam

Brooklyn A. Rogers

Different Types of Bacteria in the Ocean Sudoku

Faculty Sponsor: Dr. Thomas Manning

Alivia P. Corbitt

Beneath the Surface:

The Molecular Role of Healthy Foods in the Human Body

Faculty Sponsor: Dr. Thomas J Manning

Chaddum S. Johns

Tides of Change:

The Impact of Climate Shifts on Marine Mammals

Migration and the Urgent Need for Conservation

Faculty Sponsor: Dr. Thomas Manning

Rebecca M. Moise II
*Exploring the Electrocatalytic Performance of Cu-Prussian Blue
Analog in CO₂ Reduction*

Faculty Sponsor: Dr. Tolulope O. Salami



**Department of Computer Science and
Engineering Technology**

Jason M. Pearson
*Analysis of Latent and Reader-Captured Fingerprints for
Enhanced Biometric Authentication*

Faculty Sponsor: Dr. Krishnapriya Kottakkal Sugathan

Leslie D. Hunt
Solving Cold Cases with Latent Fingerprint Analysis
Faculty Sponsor: Dr. Krishnapriya Kottakkal Sugathan

Bryan Godinez Jimenez
Fingerprint Acquisition: Performance and Challenges
Faculty Sponsors: Dr. Krishnapriya Kottakkal Sugathan



Javan Brian Alexander Smith

Fingerprint Classification:

A Comparative Analysis of Manual and Automated Methods

Faculty Sponsor: Dr. Krishnapriya Kottakkal Sugathan

Candace M. Williams

Building a Simulation of a Remote-Controlled Fan and Light

Faculty Sponsor: Dr. Ahana Roy Choudhury

Anthony Y. Ikito

***Integrating Electrical Engineering and Artificial Intelligence (AI)
into Regenerative Medicine***

Faculty Sponsor: Dr. Barry Hojjatie

Devam Patel, Sineshaw Tesfaye, and Emijay Halsey

The impact of AI on Education: Bane or Boon

Faculty Sponsor: Dr. Sudip Chakraborty

Austin L. Byrd

Automation and Control Systems Engineering with Modern Baking

Faculty Sponsor: Dr. Barry Hojjatie

Joshua A. Reed

Image Segmentation using Deep Neural Networks

Faculty Sponsor: Dr. Ahana Roy Choudhury

Baker M. Knight, Riley Luis C. Vicente,

Norshar O. Chambers, and Brock N. Campos

Building an Efficient Inventory Management System Using Hashing in Java

Faculty Sponsor: Dr. Anurag Dasgupta

Keven Gilbert

How E-Commerce Giants Manipulate the Free Market

Faculty Sponsor: Dr. Chunlei Liu

Hayden R. Dunlap

***Fungal Species Identification using Hierarchical Convolutional
Neural Networks***

Faculty Sponsor: Dr. Zhiguang Xu

6:00-7:30
Poster Presentations
Student Union Ballrooms.

7:30-8:00 pm
Awards
Student Union Ballrooms

Thank you to everyone who made this week possible.

