



**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?***

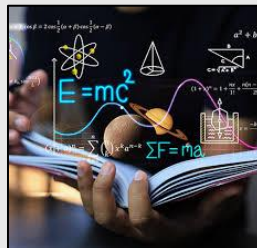
Faculty Sponsor: Dr. Anne Price  
Department of Sociology, Anthropology  
and Criminal Justice



**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**

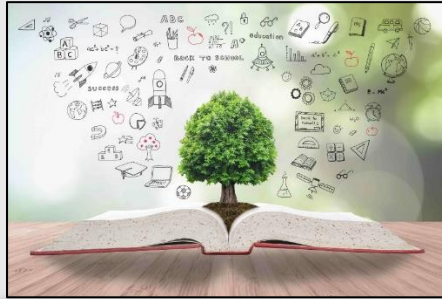
**Reagin M Jones**

***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

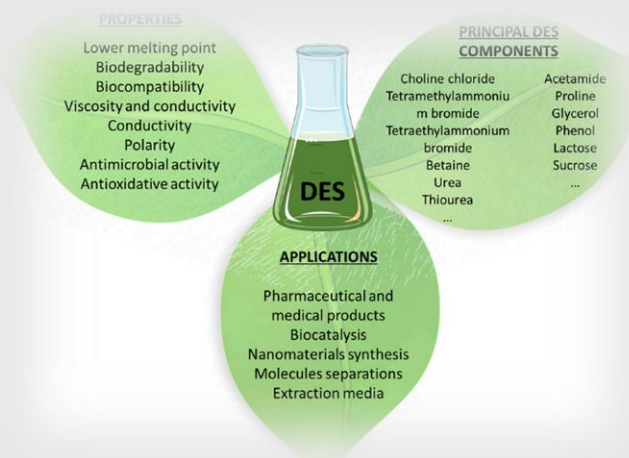
Department of Health Sciences

**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**

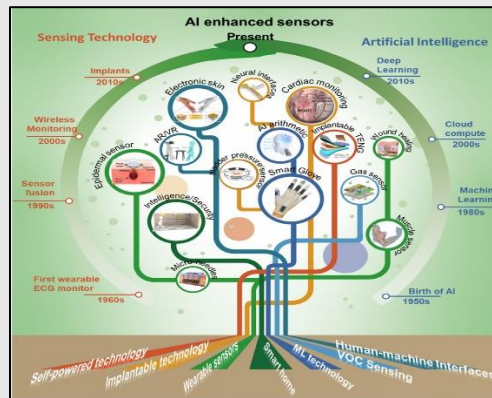
**8:00-8:50**

**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**

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

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

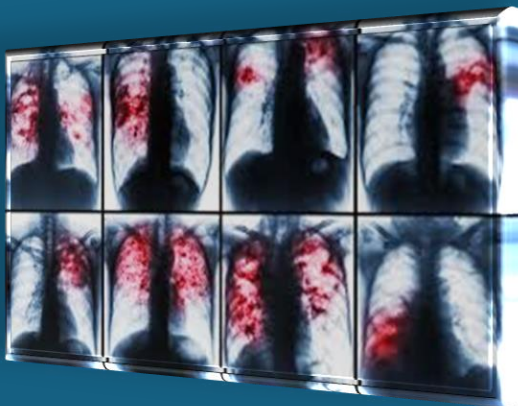
**Cassandra A. Ayers**

***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 Orban'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*

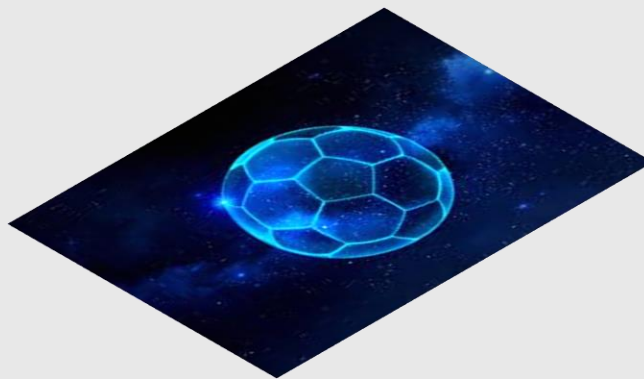
Faculty Sponsors: Dr. Sanjay Gupta and Dr. Attila Cseh  
Department of Accounting

**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**

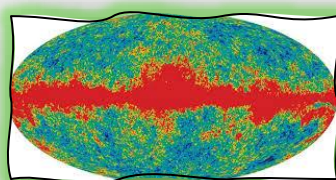


**Jordan Phillips**

***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 Wiegenleid*

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

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

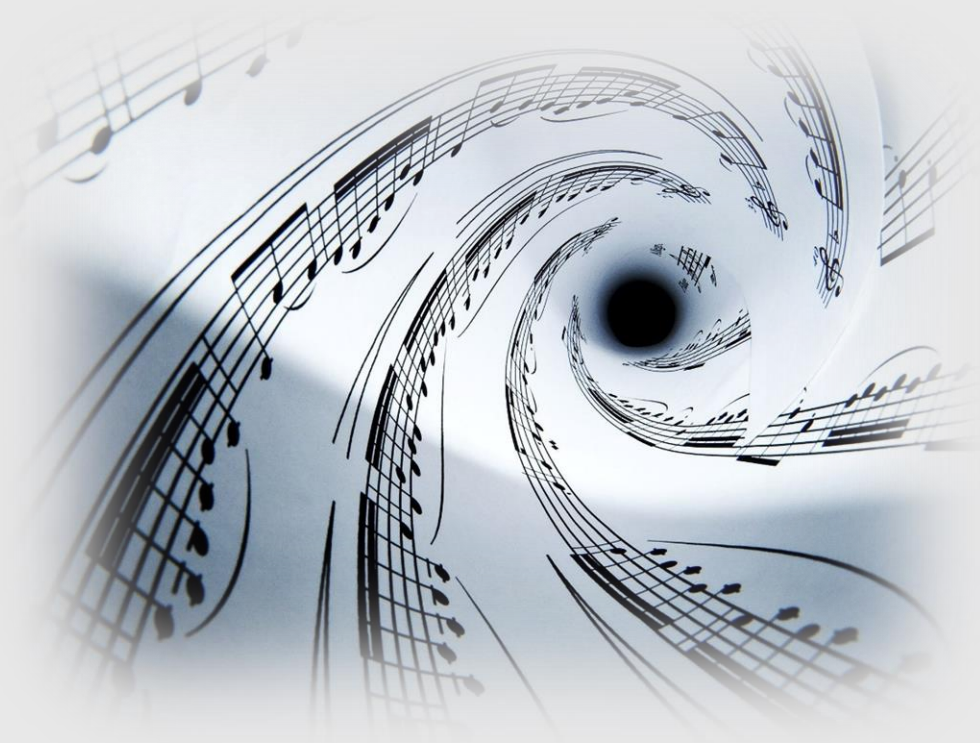
*Let’s Talk Allergies:  
An Analysis of an Online Community  
of Allergy Sufferers*

**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**

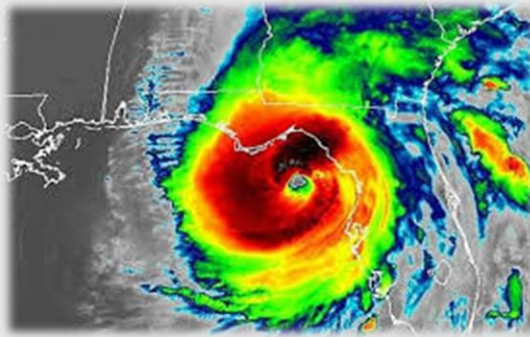
***The Stands and Beyond: An In-Depth Look at the Soccer Subculture in South Georgia***

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.



A word cloud with 'internships' as the central, largest word in blue. Other prominent words include 'career plan' in purple, 'personal development' in pink, 'stepping stone' in red, 'networking' in orange, 'training' in red, 'confidence' in teal, 'cv boost' in teal, 'initiative' in green, 'project management' in grey, 'career development' in red, 'team working' in grey, 'interview ideas' in orange, 'inspiring experience' in blue, 'responsibility' in pink, 'employability skills' in orange, 'liaising' in green, 'communicating' in grey, 'interpersonal skills' in orange, 'exceptionally useful' in green, 'engagement' in grey, 'independence' in green, and 'decision making' in grey.

**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  
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Politics and Why People Vote the Way That They Do*

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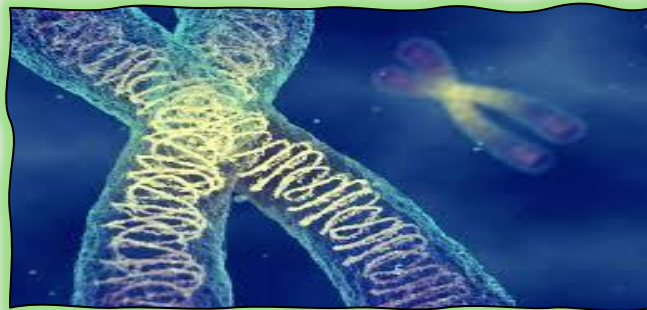
*Assessing the “Perfect” Correctional Substance Abuse Program:  
A Comparative Analysis of Existing Programs to  
Integrate Strengths and Address Weaknesses*

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*How the MAOA Gene is Linked to the United States  
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*How Does Working More than 20 Hours Per Week and Commuting  
Affect Students Grade Point Average?*

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

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*Law, Justice, and Rights in Modern Columbia*

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*Georgia Turns Red Again:*

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

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

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

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*Modern Qatar Theocracy, Changing Ideas of  
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*Salivary Cortisol in Undergraduate Students during Exam Time*

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***A Systemic Review of Moral Injury and Compassion Fatigue  
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***Development of an Attitudes Toward Black Women in  
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***Is Beauty Skin Deep?  
How Sex and Skin tone Influences Attractiveness and Personality***

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**Jordan Hewins, Ian McLean, and Jasmine Freeman**  
*Simulating a Stable Orbital Solution for the Kepler-62 System*

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**Marissa A. Norlund and Kisten N. Speldrick**  
*Comet Light Curve and Image Reduction with Open-Source Software*

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*Using Origami to Explore Geometry*  
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*Modeling Exoplanet Transits using Bayesian Analysis*  
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**Anthony M. Giles, Damon E. Negron, and Mia K. Price**  
*Agrobacterium-Mediated Transient Gene Expression in Pansy Flowers*

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**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)*  
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**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)***

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

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

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

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**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***

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**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***

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**Braden M. Hendrix**

***Antibiotics and the Infections and Diseases Each Can Treat***

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**Jordan Elizabeth Flemming**

***Novel Probe for Extracellular Measurement of Superoxide***

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**Oluwatobi A. Salami**

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

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

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

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**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**

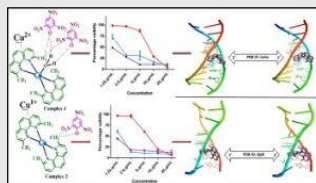
***The Role of Computational Chemistry (QSAR) in Improving  
Water Solubility in Pharmaceuticals***

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

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***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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***Learning Permian Animals Through Sudoku Style Puzzles!***

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***The Human Immune System and Its Components***

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***Synthesis and Potential Antibiotic Properties of Halogenated Chiral Schiff Bases***

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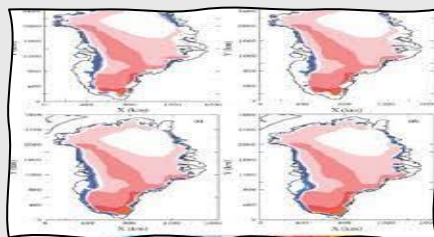
***Optimization of Photodimerization reaction of Thymine***

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*  
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**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

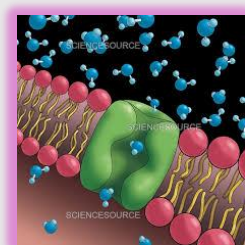
**Karli Icard**  
*Exploring the Synthesis, Characterization and Adhesion of  
Prussian Blue Analogs (PBAs) on Working Electrodes Surfaces*  
Faculty Sponsor Dr. Tolulope Salami

**Tara Brooks**  
*Understanding Medications*  
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*Infectious Disease*  
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*Reinforcing Knowledge and Terminology of Insect  
Species through Sudoku Style Puzzles*  
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**Darius G. Jackson and Alivia L. Corbitt**  
*Aquaporins*  
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*Linear Dichroism in Stretched Films*  
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***Purification of Membrane Proteins and Detection of  
Aquaporin in Yeast and Bacteria***

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***More on Self-Reversal of Thermal Remanent Magnetization:  
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***Fracture Analysis for the Upper Withlacoochee River***

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***Analyzing Metaxytherium floridanum:  
Ancient Intermediate Dugong of Florida***

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***The Use of Computational Techniques to Predict  
Medicinal Properties of Some Prominent Antibiotics***

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

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***Making Oyster Restoration a Chemistry Problem to Solve***

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***Using Sudoku to Teach the Major Body Systems***

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***Reinforcing Knowledge and Terminology through  
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**Bedaquiline:**  
*From Antibiotic to Cancer Drug and Back*  
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*Learning Animal Phyla through Sudoku Style Puzzles!*  
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**Carlton W. Francis, James A. Smith, Jared Martin,  
K.H. Kelsie, A. Hagood, and Thomas Rideau**  
*Developing a Green Technology Material*  
Faculty Sponsor: Dr. Thomas Manning

**Darius Jackson**  
*Nutrient Friendly Surfaces to Regenerate Oyster Populations*  
Faculty Sponsor: Dr. Thomas Manning

**Areemoshe Booker, Darius Jackson, and Je’Niece Manning**  
*Deep Eutectic Solvents for Carotenoid Recovery:  
Enhancing Efficiency Through Green Extraction*  
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*Different Types of Bacteria in the Ocean Sudoku*  
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*Beneath the Surface:*  
*The Molecular Role of Healthy Foods in the Human Body*  
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*Tides of Change:*  
*The Impact of Climate Shifts on Marine Mammals  
Migration and the Urgent Need for Conservation*  
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*Exploring the Electrocatalytic Performance of Cu-Prussian Blue  
Analog in CO<sub>2</sub> 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*

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**Leslie D. Hunt**  
*Solving Cold Cases with Latent Fingerprint Analysis*

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**Bryan Godinez Jimenez**  
*Fingerprint Acquisition: Performance and Challenges*

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**Javan Brian Alexander Smith**

***Fingerprint Classification:***

***A Comparative Analysis of Manual and Automated Methods***

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***Building a Simulation of a Remote-Controlled Fan and Light***

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

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***The impact of AI on Education: Bane or Boon***

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***Automation and Control Systems Engineering with Modern Baking***

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***Image Segmentation using Deep Neural Networks***

Faculty Sponsor: Dr. Ahana Roy Choudhury

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***Building an Efficient Inventory Management System Using Hashing in Java***

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**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.**

