



JACKSONVILLE STATE UNIVERSITY

2022 FACULTY RESEARCH SYMPOSIUM

AN INTERDISCIPLINARY SHOWCASE
OF RESEARCH AND CREATIVE
SCHOLARSHIP AT
JACKSONVILLE STATE UNIVERSITY

NOVEMBER 3
MERRILL HALL

WWW.JSU.EDU/FACULTY-COMMONS/FACULTY-RESEARCH-SYMPOSIUM



SCHEDULE OF EVENTS

8:00-10:00 AM

MORNING REFRESHMENTS
BASEMENT CORRIDOR
MERRILL HALL

12:00-1:30 PM


KEYNOTE SPEAKER
LUNCHEON
ROOM B01
MERRILL HALL

8:00-4:30 PM

FACULTY PRESENTATIONS
BASEMENT, 1ST, 2ND,
& 3RD FLOOR
MERRILL HALL

5:00-6:00 PM

AWARDS RECEPTION
ATRIUM
MERRILL HALL



SCHEDULE OF PRESENTATIONS

KEYNOTE PRESENTATION

SEE PAGE 4

12:00-1:30 PM

LONG PRESENTATIONS

SEE PAGES 5-22

8:00-11:30 AM

&

1:45-3:45 PM

POSTER PRESENTATIONS

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10:00-11:30 AM

SHORT PRESENTATIONS

SEE PAGES 29-34

8:00-11:15 AM

&

2:00-3:45 PM

ROUND TABLE PANEL

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10:00-11:15 AM & 3:00-3:45 PM

EVENT MAP OF MERRILL HALL

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AWARDS RECEPTION

SEE PAGES 45

2022 Faculty Research
Symposium
Keynote Luncheon

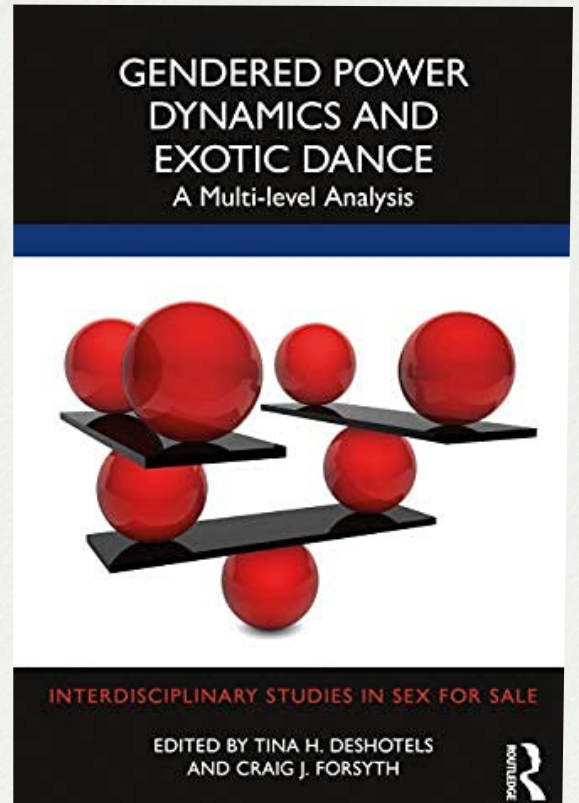
Dr. Tina Deshotels

November 3, 2022

12:00-1:30 PM

Room B01 Merrill Hall

**Lunch will be served
from 12:00-12:30 PM
B01 Merrill Hall**



Gendered Power Dynamics and Exotic Dance:

Author Dr. Tina Deshotels presents a compelling multi-level analysis of dancer interactions, organizational practices, and institutional forces; this book challenges our understanding of sexuality and power. Dr. Deshotel's areas of interest are broad but generally fall under the umbrella of Theory, Gender, and Deviance. Her research, teaching, and service center on demonstrating the importance of theorizing explanations of social phenomena using multiple levels of analysis.

**Learn more about Dr. Deshotels by
scanning the QR code.**

LONG PRESENTATIONS

FORMAL 11-30-MINUTE PRESENTATION ON THE FACULTY'S RESEARCH PAPER, PROJECT, SCHOLARSHIP, OR WORK IN PROGRESS. SESSIONS WITH LONG PRESENTATIONS MAY INCLUDE MULTIPLE PRESENTATIONS WHERE FACULTY WILL EACH GET A TURN TO FORMALLY PRESENT THEIR WORK, WITH TIME ALLOTTED FOR Q&A. LONG PRESENTATIONS WILL BE VIEWED AND JUDGED AS PART OF A COMPETITION FOR "BEST LONG PRESENTATION" FOR WHICH THE AWARDEE WILL RECEIVE A CONGRATULATORY CERTIFICATE.



LONG PRESENTATIONS

ROOM B02

8:00-8:30

TORCHBEARER LEADERSHIP: A CONCEPTUAL MODEL FOR LEADING CHALLENGING SCHOOLS

Presenter: Stacey Gill, Professor of Counseling & Instructional Support
Co-Presenters: Kimberly Warfield, Associate Professor of Counseling & Instructional Support; Diane Best, Assistant Professor of Family & Consumer Sciences; Pamela White, Success Course Instructor

School leaders are finding it extremely hard to lead effectively without a model designed specifically and tailored to meet the needs of challenging urban and/or rural schools. A critical analysis of studies conducted by Educational Leadership experts investigates and highlights the absence of an effective leadership model for urban and rural school leaders. As a result of this study, the development of a new model to answer the prevailing question of how to effectively lead urban and rural schools presented a unique challenge. Research conducted on Torchbearer Schools and presenting the Torchbearer Leadership model developed from this study could be an option for urban and rural principals to implement who are struggling to lead challenging schools.

ROOM B10

8:00-8:30

IMMIGRATION AND RELIGION IN EARLY MODERN SCOTLAND

Presenter: Ryan Burns, Assistant Professor of History

The late sixteenth century witnessed a surge of immigration into Scotland. Refugees fled religious war, some because of its violence and others because of its outcome. Confessional states everywhere produced new, undesirable minorities, men and women whose adherence to the wrong religion made them unwelcome. Many departed for places where their own confession was predominant. Others left seeking opportunity, bringing specialized skills or following well-established family members.

Not every newcomer proved to be of the "right" confession. Border control in early modern Europe was almost entirely unregulated, making it easy for Catholics, or dissenting Protestants, to slip into Scotland. Their presence undermined the religious uniformity sought by the church, which responded with some of the very first attempts to police national borders. This paper will examine the emergence of immigration enforcement in early modern Scotland. It will explore the means by which authorities sought to restrict entry while also delving into the ways that immigrants sought to evade them. By 1600, for example, the Scottish church expected every foreign visitor to present a testimonial on their life and conduct from a Protestant minister, which served as a kind of passport. Though the kirk's ambitions sometimes outpaced its abilities, such testimonials were checked often enough for people to feel the need to forge them.

LONG PRESENTATIONS

ROOM B15

8:00-8:30

GAMIFICATION, SERIOUS GAMES, AND VIRTUAL REALITY

Presenter: David Thornton, Professor of Computer Science

Pedagogical Gamification aims to incorporate the motivating factors of digital gaming into the curriculum in order to increase student motivation and satisfaction. Dynamic difficulty adjustment (DDA) is an attempt to ensure that a game's difficulty is customized to every player's ability, with the goal of increasing engagement. Serious games are a category of games whose main goal is not entertainment. These include games for education, training, and therapy. Virtual Reality is one way to present the above experiences.

ROOM 110

8:00-8:30

CANCELING OUR SUBSCRIPTIONS: BLACK GIRLS ON THE PERIPHERY REDEFINING BLACK FEMININITY IN "RAYMOND'S RUN" BY TONI CADE BAMBARA AND "BROWNIES" BY ZZ PACKER

Presenter: Julia Tigner, Assistant Professor of English

"Only the BLACK WOMAN can say when and where I enter, in the quiet, undisputed dignity of my womanhood, without violence and without suing or special patronage, then and there the whole Negro race enters with me"
--Anna Julia Cooper in A Voice from the South (1892)

As early Black feminist Anna Julia Cooper in A Voice from the South (1892) notes in the above epigraph, Black women decide how they will contend with interlocking oppressions of white supremacy and patriarchy. This distinct type of ethos consists of the guiding principles Black women use to not only challenge interlocking oppressions, but also to assert a full humanity that is not merely limited to race and gender, while exuding strength and acquiring agency in varied forms. For this reason, oftentimes, the collective identities of Black women are prioritized. Writers Toni Cade Bambara and ZZ Packer, too, consider what Black female identity entails and demonstrate how standards of Black personhood and girlhood are in flux. But what happens when Black girls push back and center their individualistic experiences, suggesting individual experiences trump or even erase the group (collective Black female) experience? In my paper, I will explore how Toni Cade Bambara in "Raymond's Run" (1972) and ZZ Packer in "Brownies" (2003) reveal how Black girls find the means to map out a space unlimited or even less limited by societal definitions. By primarily centralizing Black female experiences, Toni Cade Bambara and ZZ Packer in their respective short stories seek to debunk mythologies of Black girlhood and re(center) Black girls' voices by fully engaging the intricate ways their protagonists dwell on the periphery and seek to redefine themselves as Black girls. More specifically, I will explore how Toni Cade Bambara and ZZ Packer's short stories, particularly their inclusion of transgressive Black girls, push the perimeters of the short story genre as sites where Black feminist geographies are enacted and limited understandings of Black girlhood are redefined.

LONG PRESENTATIONS

ROOM 115

8:00-8:30

RESPONSE OF INDIGENOUS PEOPLE AND THEIR NATURAL RESOURCES TO CLIMATE CHANGE IN THE ROOFTOP OF THE WORLD

Presenter: Tenzing Ingty, Assistant Professor of Biology

The Himalaya, a region with a rich diversity of indigenous ethnicities and one of 35 global biodiversity hotspots, has been significantly impacted by climate change. Yet there are few studies on climate change impacts on the region owing to the lack of long-term measurements. There is however a wealth of information in the form of traditional ecological knowledge (TEK) of the indigenous peoples inhabiting the region. I proposed that in harsh environments like the high altitudes of the Eastern Himalaya, natural resource-dependent indigenous communities and their local institutions have developed an intricate understanding of and responses to changes in their local climatic conditions and natural surroundings. This presentation will explore the response of indigenous people in the Himalaya to changing climatic conditions. I studied this at two scales—at the local scale, I used ethnographic tools to understand the response of people and their governing institutions. Second, at the regional scale, I studied the response of natural resources that the people use, particularly alpine grassland vegetation.

The results show that climate change has significantly impacted biodiversity and the people of the region. People's perceptions were remarkably consistent with the results on meteorological recordings, remotely sensed phenology data, and range shifts. The analysis of meteorological data showed that temperatures have increased significantly, especially during the colder seasons. Results from remotely sensed phenology showed that the start of the growing season for vegetation had advanced significantly (12.5 days per decade) while the end of the growing season showed a delay (3 days per decade). Range shifts in ethnobotanically important species were also recorded using secondary sources.

The results showed that contrary to narratives on indigenous people as passive observers of global phenomena like climate change, communities were actively adapting with the help of their TEK and indigenous institutions. I developed a framework that complemented the rigor of science with the wealth of TEK to suggest pathways for an improved policy response to climate change.

LONG PRESENTATIONS

ROOM 116

8:00-8:30

PERFORMANCE EVALUATION AND APPLICATION OF SINGLE BOARD COMPUTERS

Presenter: Eric Gamess, Associate Professor of Computer Science

Single Board Computers (SBCs) are increasingly used in all kinds of applications due to their low cost and versatility. Today, many manufacturers are proposing SBCs, including the Raspberry Pi Foundation (Raspberry Pi), the BeagleBoard.org Foundation (BeagleBone), and Hardkernel (Odroid). In this research, we evaluate the performance of several networking protocols when using SBCs.

ROOM 118

8:00-8:30

CANNABIS AND CANCER: GETTING STUDENTS INVOLVED IN UNDERGRADUATE RESEARCH

Presenter: Lori Hensley, Department Chair, Biology

The research in my lab focuses on alternative potential therapies for aggressive pediatric cancers with low survival rates. Most of this research is accomplished through course-based research experiences in Cell Biology. Current research investigates the abilities of different compounds from the Cannabis plant to decrease cancer cell viability and migration. Students also investigate the cellular pathways that may be involved in cell responses to these compounds.

ROOM 200

8:00-8:30

THE ARCTOMETATARSUS OF TYRANNOSAURID DINOSAURS: FUNCTIONAL AND ECOLOGICAL IMPLICATIONS.

Presenter: Michael Burns, Associate Professor of Biology

I would like to present on a long-term collaborative project using a multidisciplinary approach to the unique foot anatomy of tyrannosaurid dinosaurs. The arctometatarsus, in which the central metatarsal is proximally constricted, is unique among vertebrates to Cretaceous coelurosaurian dinosaurs. This anatomy reached its pinnacle in tyrannosaurid dinosaurs, ecologically unique vertebrates, and the sole clade of large-bodied terrestrial carnivores (adult body mass > 400kg) in their continent-spanning habitats. Fossils display osteological and histological correlates of distal intermetatarsal ligaments. This ongoing project uses gross anatomical, histological, mathematical modeling methods to study this distinctive structure and relate it to broader biomechanical implications and to the ecological success of this group in the Late Cretaceous.

LONG PRESENTATIONS

ROOM B02

8:45-9:15

"FRIDGING" THE MALE GAZE IN JESSICA JONES

Presenter: Tanya Sasser, Instructor of English

Comics writer Gail Simone contends that female comics characters are “fridged” when they are “shown as only victims or hostages, when they are raped or murdered for cheap shock value, or for the effect their assault will have on the male character’s story.” I argue that the fridging of female comics characters is predicated on the trope of the male gaze first proposed by film theorist Laura Mulvey. I’ll explore how the Jessica Jones comics and Netflix series both perpetuate and deconstruct these tropes, with a focus on the TV series as a pivotal reversal of female fridging, as Jessica literally uses a refrigerator to subdue a male character.

ROOM B15

8:45-9:15

BEYOND RACE, CLASS, AND GENDER: INTEGRATING INTERSECTIONALITY INTO MONOPOLY SIMULATIONS

Presenter: Brianna Turgeon, Assistant Professor of Sociology

Co-Presenter: Sarah Donley, Associate Professor of Sociology

In this project, we seek to test the effectiveness of our Intersectional Monopoly teaching simulation in helping students 1) understand the concepts of intersectionality and social inequality and 2) relate to the experiences of people with different identities than themselves. To do this, we use a pre-test, administer the simulation, and then conduct a post-test to measure the impact of the simulation. The pre-test asks students about beliefs and attitudes toward intersectionality, social inequality and empathy toward experiences of people from diverse social identities in the US. The post-test contains similar items, allowing us to compare a change in beliefs after participating in the simulation. The post-test includes open-ended questions that ask students to reflect on the simulation such as what their experience was like and the main things they learned from the simulation.

LONG PRESENTATIONS

ROOM B02

9:30-10:00

THE ROLE OF THE MALE LIBRARIAN: AN EXPLORATION OF MALE LIBRARIANS IN PUBLIC AND ACADEMIC LIBRARIES

Presenter: Laura Pitts, Assistant Professor, Literature Librarian

Public and academic library jobs are primarily female-driven, with a small number of men serving as employees in a variety of ways. The influence of a gender within the profession of public library poses specific implications of communication, professional development and overall employee-job satisfaction. This research proposal explores the role of men working in libraries and seeks to address stereotypes, presumption of sexual orientation, threats to workplace advancement, and the role that co-cultural theory plays in analyzing all of this. Using grounded theory, the research proposal seeks to conduct semi-structured interviews with males working in public and academic libraries to discover how these employees negotiate their identities as part of a female-driven workforce. Implications from this research can help library employees understand issues surrounding the various of genders in the workplace and help change the perspective people have about men working in a predominately female profession.

ROOM B15

9:30-10:00

BUILDING A PUBLIC HISTORY PROGRAM FOR ENDURANCE EVENTS

Presenter: Gordon Harvey, Distinguished Professor of History

The Western States Endurance Run is the oldest 100-mile footrace in the world. Started in 1974, it has become what many would term "the super bowl of trail and ultramarathon running." World attention is cast upon the Sierra mountains every June as 369 competitors, amateur and professional, compete for a coveted silver belt buckle. Yet, with all its renown, there has been little formal effort to collect and preserve the stories and history of the race. This project, called the "Western States Oral History Project," strives to do just that. By interviewing race founders, competitors, volunteers and race officials, this project aims to create a comprehensive and publicly accessible oral record of the event and its impact on the sport of trail and ultrarunning.

LONG PRESENTATIONS

ROOM B02

10:15-10:45

PREDICTORS OF JSU STUDENT SUCCESS

Presenter: Heidi Dempsey, Professor of Psychology

Co-Presenter: David Dempsey, Professor of Mathematics

We review our research from the past decade using demographic variables, self-efficacy, personality traits, temporal discounting of money, and effort discounting of exam grades and extra credit to predict JSU student success and retention.

ROOM B15

10:15-10:45

SPORTS PARTICIPATION AND MORAL DEVELOPMENT IN ADOLESCENTS: A CROSS-CULTURAL INVESTIGATION

Presenter: Franco Zengaro, Associate Professor of Kinesiology

Co-Presenter: Sally Zengaro, Associate Professor of Psychology

There is significant evidence from empirical studies on the role of sports participation as a factor in promoting prosocial behavior in youth. In this research presentation, the researchers will highlight their past and current research on moral development in youth sports spanning from three continents.

ROOM B15

11:00-11:30

WIND DAMAGE ANALYSIS USING HIGH-RESOLUTION SATELLITE IMAGERY: JACKSONVILLE, ALABAMA, TORNADO OF MARCH 2018

Presenter: Saeideh Gharehchahi, Assistant Professor of Geography

Tornadoes are the most severe atmospheric storms that can leave long-lasting destructive effects on human and natural landscapes. Nowadays, advances in moderate- and high-resolution multispectral imagery offers a complementary alternative to site surveys to determine the extent and characteristics of tornado damages that may have not been visible at the ground level. Although the rapid damage assessment of tornadoes can be affected by the fixed temporal resolution of satellite and cloud-cover limitations, satellite imagery is still the most effective technique in remote areas and over the regions with significant damage and homogenous land cover. This research uses Sentinel-2 A with revisit frequency of five days and spatial resolution of 10 m to estimate Normalized Difference Vegetation Index (NDVI) change before and after storm. NDVI-differencing has the potential to capture damages as weak as EF-1 on the Enhanced Fujita (EF) scale. Since NDVI change analysis uses two bands of red and near-infrared, we will apply principal component analysis (PCA) as a second technique to include more bands into the analysis. The results from image processing will be then validated and supported by the data collected at the time of incidence.

LONG PRESENTATIONS

ROOM B10

1:45-2:15

ARTIFICIAL INTELLIGENCE - ITS NATURE, AIMS AND CHALLENGES TO HUMAN CREATIVITY AND INDUSTRY

Presenter: J. Patrick McGrail, Professor of Communication

Recently a Google engineer, Blake Lemoine, declared publicly that he thought that GPT-3, an artificial intelligence "bot" created by Google, was so advanced that it had become sentient. Because of his radical position, Google has suspended him. I have researching AI from the perspective of its ability to aid humans in the creation of art (DALL-E) conversation (GPT-2 and GPT-3) and music (various programs, including Band in a Box). Will AI disrupt creativity? Will humans even need to create art anymore? And what about copyright? Does it belong to the intelligence machine, or to the humans who programmed it? This research follows that that I have submitted for publication and will present at the Alabama Communication Association at the end of July.

ROOM B15

1:45-2:15

TOOLS OF THE TRADE? METHODS OF STATE REPRESSION AND AUTHORITARIAN REGIMES

Presenter: Ben Gross, Assistant Professor of Political Science

A long-standing literature finds authoritarian regimes are the likely abusers of human rights. While this finding is robust, it treats all authoritarian regimes alike. This article observes a puzzle; despite many similarities, Syria and Egypt repress human rights with different methods. What accounts for this variation of repression? This article uses a mixed-methods approach to reexamine the literature. The philosophic arguments of Machiavelli's Prince demonstrate that the sources of legitimacy for an authoritarian regime can vary. These different sources make some forms of repression viable, while others are unacceptable, to maintain the legitimacy of that regime. This application of political theory generates 12 testable hypotheses concerning military, single party, personalist, and monarchial regimes. Utilizing the Autocratic Breakdown and Regime Transitions data and Cingranelli-Richards Human Rights Data Project, the article finds overwhelming support of these hypotheses. Whereas military regimes engage in all forms of physical integrity abuses, single party regimes only use political impressment. Furthermore, while personalist regimes use violent forms of repression, monarchies refrain from any use of physical integrity abuses. Thus, this article expands the literature by demonstrating the need to disaggregate the concept of authoritarianism to improve our understanding of the methods it uses for repression.

LONG PRESENTATIONS

ROOM 115

1:45-2:15

"HEY, LOOK ME OVER": CAROLYN LEIGH'S AMERICAN SONGBOOK

Presenter: Ellen Peck, Professor of Theatre and Film

Lyricist Carolyn Leigh (1926–1983) wrote the words to arguably some of the best-known songs in the American Songbook. "The Best is Yet to Come," "Young at Heart," and "Witchcraft" sound so much like their interpreters, Tony Bennett and Frank Sinatra, that one could almost believe they wrote them. Mary Martin had Leigh to thank for her Peter Pan showstoppers "I'm Flying" and "I Won't Grow Up." Leigh penned lyrics for Lucille Ball in *Wildcat*, Sid Caesar in *Little Me*, and for composers Elmer Bernstein, Cy Coleman and Marvin Hamlisch. Yet, like so many lyricists – particularly women – she has been overshadowed by her collaborators and underappreciated by historians. This paper is the beginning of a proposed study on Leigh: her songs, writing style, and contributions to American musical theatre and popular music. Her voice captured the American mid-century ethos: bright, brassy, by turns optimistic and sardonic, and always self-assured. As one of the best writers of her generation, Carolyn Leigh and her lyrics are long overdue for a serious study.

ROOM 200

1:45-2:15

ON DETECTING FAULT-TOLERANT LOW-DIAMETER CLUSTERS IN GRAPHS

Presenter: Yajun Lu, Assistant Professor of Management and Marketing

Cliques and their generalizations are frequently used to model "tightly knit" clusters in graphs and identifying such clusters is a popular technique used in graph-based data mining. One such model is the s -club, which is a vertex subset that induces a subgraph of diameter at most s . This model has found use in a variety of fields because low-diameter clusters have practical significance in many applications. As this property is not hereditary on vertex-induced subgraphs, the diameter of a subgraph could increase upon the removal of some vertices and the subgraph could even become disconnected. For example, star graphs have diameter two but can be disconnected by removing the central vertex. The pursuit of a fault-tolerant extension of the s -club model has spawned two variants that we study in this article: robust s -clubs and hereditary s -clubs. We analyze the complexity of the verification and optimization problems associated with these variants. Then, we propose cut-like integer programming formulations for both variants whenever possible and investigate the separation complexity of the cut-like constraints. We demonstrate through our extensive computational experiments that the algorithmic ideas we introduce enable us to solve the problems to optimality on benchmark instances with several thousand vertices. This work lays the foundations for effective mathematical programming approaches for finding fault-tolerant s -clubs in large-scale networks.

LONG PRESENTATIONS

ATRIUM

1:45-2:15

TRANSCENDING TIME & CULTURES: FRENCH & JAPANESE MUSICAL INFLUENCES IN FLUTE & PIANO WORKS BY YUKO UÉBAYASHI

Presenter: Jeremy Benson, Professor of Music

This is a live, interactive, demonstration flute & piano lecture recital. Female composer, Yuko Uébayashi, is a living composer residing in France. Her musical compositions are inspired by Romantic and Impressionist composers. She fuses personal Japanese and French experiences to give musicians and listeners a modern twist to contemporary compositional style. Uébayashi gives the music world fresh and exciting works inspired by compositions from Romantic, Impressionistic, & Contemporary composers: Claude Debussy, Cesar Franck, Francis Poulenc, Takatsugu Muramatsu and Bunyan Koh. Traditional Japanese and French music will be explored and performed fused with Uébayashi's works. This lecture recital is like hearing Claude Debussy and Maurice Ravel visit Japan for the afternoon.

ROOM B02

2:30-3:00

ENGAGING STUDENTS IN A GENETICS COURSE-BASED UNDERGRADUATE RESEARCH EXPERIENCE (CURE) EXPLORING DISEASE UTILIZING BIOINFORMATICS & C. ELEGANS IN HYBRID LEARNING

Presenter: Ashley Turner, Assistant Professor of Biology

With the intent to explore disease utilizing the *Caenorhabditis elegans* model, we developed a course-based undergraduate research experience (CURE) in a hybrid learning environment. Using a combination of bioinformatics and 'wet lab' tools, students analyzed the conservation of genes and structure-function analysis of clinical variants of unknown significance (VUS). The CURE was offered four consecutive semesters and included a series of tutorials and research and 'wet lab' sessions. Each student selected a disease of interest and worked with a set of tools and series of methods to identify a disease-associated human ortholog gene in the *C. elegans* genome and conserved VUS. Students took identified conserved VUS into 'wet lab' to design and test a PCR-based assay to serve as a downstream genotyping test. Discussions, responsible conduct of research training, electronic lab notebooks, iterative project reports, quizzes, and group oral presentations were assessed for mastery of learning objectives and research progress. We assessed the impact of the CURE on students' cognitive and emotional ownership using a closed-ended survey administered at the end of the semester. We also examined to what extent students' reasons for choosing their disease of interest influenced their cognitive and emotional project ownership. We found that students developed notably high cognitive and emotional ownership, comparable with CUREs taught in-person. Analyses also suggest that students with more personal reasons for disease selection demonstrate higher cognitive and emotional ownership compared to students without a personal reason for disease selection. CUREs can be effectively offered in hybrid learning across varying modalities.

LONG PRESENTATIONS

ROOM B10

2:30-3:00

UNLOCKING THE UNIVERSAL EXPERIENCE OF FOLK SONG: A LOOK AT CANTELOUBE'S CHANT D'Auvergne

Presenter: *Shellie Beeman, Associate Professor of Music*

Co-Presenter: *Wendy Freeland, Professor of Music*

"A language is an instrument of communication that meets the needs of a society..." (stated by Members of the Circle of Auvergne, <http://le Cercle de la Reda Auvergne.fr/>). Auvergnat is an all-but-forgotten dialect, which descended from ancient Occitan, and is nearly extinct, with only approximately 80,000 speakers worldwide (Circle of Auvergne). Since everything Auvergnat has been "excluded from public life, it can only assert itself through works" (Circle of Auvergne)—a reality shared by many minorities, cultures, and languages. Such was the goal of Joseph Canteloube as he traveled the Auvergnat region in northcentral France, recording folk songs and musical motives of the Auvergnat people, arranging them to depict the colors of the Auvergnat landscape and character of the people during the years 1899-1955. Unique to the Auvergnat culture, these songs represent four categories: Calling Songs, Dances, Lullabies, and Story Songs (telling of work, lost love, and comedy)—all of which depict the Auvergnat way of life. Songs from each category will be shared in the presentation.

Canteloube "believed that the purpose of music was to move the listener completely, that music should be felt, not deconstructed for its compositional structure..." or used for financial gain (Flower, Graduate Recital Document, 20). He called himself a "regionalist," leading change for "...the inclusion of traditional French folksongs within standard classical music" (Flower, Graduate Recital Document, 12-13). Therefore, the researchers have developed the following statement: "Music, specifically folk song, is an instrument of communication that meets the needs of a society, tells the story of that society, and allows others to experience that society, breaking the former barriers of classical music elitism within the concert hall, unlocking the door of many unknown cultures." As such, we welcome you to the Auvergne through song.

ROOM B15

2:30-3:00

THE NERD STEREOTYPE IN AMERICAN POPULAR CULTURE

Presenter: *Michael Boynton, Associate Professor of Theatre and Film*

An overview of my ongoing primary research into the representation of nerd characters in American mass media and popular culture for the past 75 years, and how these images reflect the identity politics and anti-intellectualism of our society.

LONG PRESENTATIONS

ROOM 110

2:30-3:00

ARENDTIAN CRITIQUE OF NEOLIBERAL FEMINISM

Presenter: Alzbeta Hajkova, Visiting Professor of History

The presentation will place Hannah Arendt's philosophy into a discussion about neoliberal feminism. I will first identify three main ways neoliberal feminism is detrimental to the originally liberatory goals of feminist causes. I will then introduce Arendt into the picture. I will argue that Arendt's account of modern capitalist labor helps us expose the "work-life" dichotomy at the center of neoliberal feminism as a dilemma to which neoliberal feminism cannot offer a sustainable solution. I will then explore the possibilities of a more robust feminist solidarity by analyzing Arendt's concepts of solidarity and then interpreting forms of solidarity emerging during the COVID-19 pandemic from the Arendtian perspective. Lastly, I will use Arendt's retelling of Rahel Varnhagen's life to argue that individual self-transformation is not always powerful enough to overcome more considerable systemic obstacles to one's equality. Through this series of interpretations, I conclude by offering alternatives to focal points of neoliberal feminism that can lead us to a more inclusive and intersectional form of feminist practice.

ROOM 115

2:30-3:00

PLAYING THE GAME: COMPOSING PROCESSES OF ADVANCED UNDERGRADUATE WRITERS

Presenter: Khadeidra Billingsley, Assistant Professor of English and Writing Center Director

In this presentation, I will present findings from a recent study I conducted with a colleague in which we identified various composing practices, perceptions, and practices of advanced undergraduate writers.

ROOM 200

2:30-3:00

CONNECTING THE DOTS...CROSSOVER CLASSES TO MEET COMPETENCIES

Presenter: Kimber Wickersham, Associate Professor of Social Work

Co-Presenter: Sean Creech, Director of Disability Resources and Adjunct Instructor of Social Work

Learning Objectives:

- Creating service-learning projects across multiple courses of varying topics.
- Student driven strategies to connect required learning to community practice interests.
- Developing effective connections between research methods, social policy, and rural community practice.

LONG PRESENTATIONS

ROOM 218

2:30-3:00

PRINCE HENRY'S INVESTITURE AND THE SPLINTERING OF THE STUART COURT STAGE

Presenter: Gabriel Lonsberry, Assistant Professor of English

Every holiday season in the early Stuart period, King James I's courtiers reconvened at the Palace of Whitehall and, along with various social elites, invited foreign dignitaries, and the royal family itself, viewed and participated in propagandistic entertainments intended to glorify the monarch, legitimate his political ideals, and manage the nation's image on the world stage. From about 1608 to 1613, however, the King's hegemony over ceremonial display was challenged by his ideologically adversarial son, Prince Henry Frederick, who sought to appropriate the court stage's legitimating powers on behalf of a dissenting, militant Protestant faction. The present paper examines the most eventful year in this rivalry, 1610, which saw a series of public and private entertainments staged in honor of Henry's investiture as the Prince of Wales. Through these shows, the Prince made great strides in cultivating his neo-chivalric, militant Protestant mythology, which deliberately undermined his father's efforts to promote peace and partnership in post-Reformation Europe. Yet their authors, as dutiful servants of the King, tried simultaneously to downplay these ideals and to limit the growth of Henry's fervent, popular cult. The entertainments of 1610 thus serve as illuminating case studies on the relationship between performance and political mythmaking in the Stuart court, as well as the ways that political power struggles played out on the Stuart court stage itself.

ROOM B02

3:15-3:45

TROILUS VS. DIOMEDE: FORTUNE AT THE START OF BOOK FOUR OF *TROILUS AND CRISEYDE*

Presenter: Teresa Reed, Professor of English

Book Four of *Troilus and Criseyde* introduces the fall of Troilus and the concurrent rise of Diomedes on Fortune's wheel. Indeed, the first two stanzas stage the ways that Fortune controls lives, especially the lives of "fooles" (4.4). Even the narrator, caught up in forces he apparently cannot control, worries about what he "moste endite" (4.14). Focusing on the first fourteen lines of this book, with connections to some other key Fortune-laden passages from T and C, I propose this is a paper analyzing the interplay between self-determination and control of the self by other and larger forces. Chaucer uses references to Fortune to imagine a definition of human that may be contingent upon outside forces but that, I argue, ultimately stresses one's own perspective on the parameters of control.

LONG PRESENTATIONS

ROOM B10

3:15-3:45

HOW ARTIFICIAL INTELLIGENCE IS CHANGING TEACHING

Presenter: Monica Trifas, Associate Professor of Computer Science

Gaus Alam, Assistant Profess of Computer Information Systems

Artificial intelligence is showing up more frequently in college classrooms, particularly at big institutions that are seeking to make large courses more intimate and interactive. Researchers at Carnegie Mellon University are creating conversational agents to promote online discussion. And on a growing number of campuses, professors are using adaptive courseware that adjusts lessons according to students' understanding and deploying AI-driven tools, to promote writing and peer review.

As artificial intelligence is entering our daily lives through smart speakers, chatbots, academic are exploring its potential in teaching. Technologies used in these tools vary. AI techniques can be used to help a professor organize assignments. Automated text analysis tools can be used to mine students' writing relevant prompts. Adaptive courseware is created around the sequencing of lesson plans, selecting content based on regular assessments. More advanced tools are based on machine learning. Other forms of AI draw on research in learning science, cognitive psychology, data science, and computer science.

When we got artificial intelligence handling work that was assigned to humans, how does that change the role of the professor? What is the right balance of technology and teacher? We will address these questions and offer an overview of AI fundamental concepts and techniques.

ROOM B15

3:15-3:45

MODES OF INQUIRY AND INFAMY: EIGHTEENTH-CENTURY LITERATURE AND HISTORICAL MINDSETS

Presenter: Christopher Douglas, Assistant Professor of English

By examining the works of eighteenth-century authors such as Daniel Defoe, James Thompson, Charlotte Smith, and Alexander Pope, as well as the work of a contemporary medievalist Elizabeth Elstob, I argue that two modes of using the historical past develop; the first is as a tool of political nation-building, and the second is as a mode of inquiry and discovery. History depends not so much upon the historical record as it does how it is appropriated by later generations. The texts these authors produced show a clear distinction between scholastic inquiry and working backwards to support a foregone conclusion based off of a currently-held belief. By looking at how people used late-Classical through medieval history in the eighteenth century, we come to have a better understanding as to how we may engage with our own historical backdrops.

LONG PRESENTATIONS

ROOM 110

3:15-3:45

THE AMAZING WORLD OF BAMBOOS

Presenter: Jimmy Triplett, Professor of Biology

My research focuses on plant diversity. I work with graduate and undergraduate students, and we study plants in Alabama and around the world. One interesting component of our research concerns the origin and evolution of bamboos, an important group of forest plants with over 1300 species. Bamboos are well-known yet surprising in their basic biology, genetics, and evolutionary history. For example, many bamboos wait 120 years to flower; some bamboos arose through hybridization with distant relatives; and in the U.S., two new species have been discovered in the past 15 years (both native to Alabama). In this talk, I will summarize some of our interesting recent projects and explain how they relate to genetics and biodiversity.

ROOM 115

3:15-3:45

RESKILLED AND INTEGRATED, BUT HOW? NAVIGATING TRAUMA AND TEMPORARY HARDSHIPS

Presenter: Erin Rider, Department Chair and Professor of Sociology

Immigrants are often pressed to show how they will contribute to a host country, thus proving through their conditions of entry and human capital whether they will be perceived of as an asset or burden, and this is juxtaposed with the host country's institutions offering an improved quality of life, mainly through employment. Seeking employment is often a key factor to be economically assimilated, and in the case of highly educated Turkish migrants, the opportunity to reclaim their previous professional and quality of life statuses. Based on qualitative research, we have examined the experiences of highly educated Turkish people (n=42) in recently forced migration flows. With exiled Turkish migrants, the forced aspect of their migration prompts them to seek a host country that provides safety, and they are also driven to transfer their educational degrees and professional credentials. However, changing careers to become educated and certified in new fields takes time and resources, contributing to a fluctuating economic status and well-being loss. Once this is re-gained, their economic situation is improved, but there is still the lost time from the immigration and transfer period. Thus, the process has positive and negative components, but understanding this nuanced process provides opportunities for policy reform that can shorten the time of re-education, increase employability, and support well-being.

LONG PRESENTATIONS

ROOM 200

3:15-3:45

A CULT OF CONFEDERATE WIDOWS, THE LOST CAUSE, AND THE RE-ESTABLISHMENT OF PATRIARCHY IN THE POST-CIVIL WAR SOUTH

Presenter: Jennifer Gross, Professor of History

After the Civil War, white southern society confronted serious challenges to traditional social roles. With the end of slavery, the loss of the war, and the advent of the New South, white Southerners had to find a place for individuals who did not fit into their vision of the traditional social roles they hoped to keep in place. White southern men, desperate to re-assert themselves after losing the war as well as their legal supremacy over African Americans with emancipation, subjugated black men and women first through black codes and the violence of the Ku Klux Klan and later through Jim Crow legislation. Yet, emancipated African Americans were not the only challenge the patriarchy men faced. White southern men also found themselves surrounded by manless women--there were roughly 200,000 southern women widowed by the war. While Confederate widows could have proven to be a challenge to the re-establishment of patriarchy because they were "manless" and thus legally independent, instead they became a cornerstone in white southern men's efforts to reassert prewar gender roles. Rather than "putting them in their place" as whites did southern blacks, southern whites created a new space within the definition of true southern womanhood for Confederate widows. Women who would in the antebellum era have been considered anomalous within southern womanhood because they were without a patriarch, became the truest of true southern women because of their sacrifice for the Lost Cause. Perhaps not surprisingly, in the South, it was the widows of Confederate heroes specifically who became the ideal within this reimagining of southern gender roles.

Historian Lloyd Hunter has recently argued that part of the postwar South's cultural religion of celebrating the Confederacy, i.e., the Lost Cause myth, included the worship of Confederate heroes as "sacred symbols." He astutely notes, "If there was anything at which the South excelled in those years, it was the creation of heroes." Hunter identifies three primary heroes, Robert E. Lee, Jefferson Davis, and Stonewall Jackson, as well as secondary heroes like Pickett and Stuart and tertiary heroes that appealed to folks on a more local level. Not surprisingly, this "Cult of Generals" quickly expanded to include the widows of these Confederate heroes creating what was essentially a "Cult of Confederate Widows." Members of the Cult of Confederate Widows spent their lives representing their dead husbands as stand-ins.

The widows of famous generals like Anna Jackson, LaSalle Pickett, Varina Davis, and Flora Stuart were the most noteworthy members of this "Cult of Confederate Widows," but the widows of the Confederacy's lesser heroes could also be considered part of this cult, at least in their own locales. Regardless of the degree of their notoriety, the activities of the widows of the "truest" of Southern men, the Confederacy's dead icons, were especially important in terms of collectively soothing southern whites' anxieties over gender roles disrupted by the recent war.

There are several key elements for a widow to be considered a member of the Cult of Generals' widows. Some of these elements were actively fostered by the widows' behavior while others were ascribed to them by adherents of the Lost Cause. My research explores the creation of the Cult of Confederate Widows and what it took to be included as a member.

LONG PRESENTATIONS

ROOM 218

3:15-3:45

FAITHFUL AND CORRECT EXHIBITIONS: SHAKER DANCE, SEXUALITY, AND APOSTASY AT P.T. BARNUM'S AMERICAN MUSEUM

Presenter: Ashley Rattner, Assistant Professor of English

To members of the United Society of Believers in Christ's Second Appearing in the mid-nineteenth century, dance functioned as both a religious expression and mode of social communion (Freeman 38). Elizabeth Freeman depicts Shaker dance as "locomotions that were neither reproductive nor forward-moving... The celibate Shakers used song and dance as a way of 'shaking off' carnal temptations and as an expression of being filled with the Holy Spirit. In a way, they danced their way out of genital sex and into embodied, holy communion with one another and with God" (Freeman 29). The sect was familiar to the American public in the 1840s with villages across the Northeast and pushing West—pious, orderly communities welcoming to outsiders and characterized by quiet grace and industry. While some Americans were wary the ramifications of Shakers belief in terms of gender, family, and autonomy, others saw little difference between their way of life and that of a host of contemporary Protestants touched by religious enthusiasm.

On September 28, 1846, a band of apostate "Shaking Quakers" were featured prominently on a playbill for P.T. Barnum's American Museum in New York. The ad begins flaunting "THREE BEAUTIFUL LADIES and THREE GENTLEMEN who have recently seceded from the Society at Canterbury, N.H." and promising that "MISS WILLARD a beautiful lady, will Whirl round with the velocity of a Top!! Several hundred times without the least apparent fatigue, and without the least of that dizziness which usually accompanies that movement, during which time the rest of the company are dancing around her, accompanying themselves with rich and full toned melody, which has never failed to enchant the ears of their audience." Decoupled from its original function as an act of spiritual consecration, museumgoers were drawn to the sensory immersion of the Shaker song and dance as a dazzling eccentricity in a performance that promised to blur the distinctions between corporeal and mechanized bodies. The advertisement frames the performance as a feat of endurance primarily noteworthy for its visual effect.

Barnum's playbill emphasizes the Shakers' authenticity, assigning prominent roles within the Shaker community to the apostates and framing the act itself of one capable of communicating personal enrichment and moral edification. Situating the Shaking Quakers' performance within nineteenth-century literary treatments of Shakers, this talk explores the dynamic of apostate Shakers impersonating celibate, communitarian subjects within the burgeoning culture of visual entertainment. Building on Benjamin Kahan's scholarship on celibacy and Kara M. French's recent exploration of Early American identities of sexual restraint, this project argues that Barnum's objectification of sexually unavailable Shaker performers maps the American public's perplexed attraction to, revulsion at, and fears surrounding Christian communism onto the ecstatic, whirling bodies onstage.

POSTER PRESENTATIONS

A VISUAL DISPLAY OF THE FACULTY MEMBER'S RESEARCH PAPER, PROJECT, SCHOLARSHIP, OR WORK IN PROGRESS. DURING THE POSTER SESSION, SCHOLARSHIP WILL BE VIEWED, AND THE AUTHORS/CREATORS WILL HAVE THE OPPORTUNITY TO ELABORATE ON THEIR WORKS. POSTERS WILL BE VIEWED AND JUDGED AS PART OF A COMPETITION FOR "BEST POSTER PRESENTATION" FOR WHICH THE AWARDEE WILL RECEIVE A CONGRATULATORY CERTIFICATE.



POSTER PRESENTATIONS

ATRIUM: 10:00-11:30

PERMISSION-BASED MARKETING: USING GIS CREATE INFORMATION VISUALIZATION FOR NONPROFITS ORGANIZATION.

Presenter: Jianping Coco Huang, Associate Professor of Management and Marketing

Community Nonprofits struggle with securing connections between clients, partners, and their communities because of lack of funding and marketing engagement. Using GIS and data from small rural/local nonprofits in Jacksonville, Alabama, we explore how Universities and community partners can engage with nonprofits to explore new methods in marketing and community engagement. We examine how nonprofit organizations can increase their presence in communities and tweak their structures to help the most people in their communities while also getting more community members engaged. In the preliminary stages of research and implementation, we focus on how to design a cooperative culture between students, community members, nonprofits, and Universities. Further, we find that this is a multidisciplinary endeavor that requires the utilization of GIS, Marketing, and student organizations to engage the nonprofit sector and the local community.

HIDDEN CANYON: WATERCOLORS FROM ZION NATIONAL PARK ZION ARTIST RESIDENCY

Presenter: Bryce Lafferty, Professor of Painting and Drawing

Presentation of creative research, in the form of watercolor paintings, that were developed in response to a month long artist residency at Zion National Park in May 2022.

BIOLOGY MEETS CHEMISTRY: CHALCONES WITH N-SUBSTITUTED SULFONAMIDE MOIETIES

Presenter: Jocelyn Moore, Associate Professor of Biology

More than 30 drugs containing the sulfonamide moiety are in clinical use, in particular, antibacterial. Numerous reports have shown the biological activity of chalcones, which includes antidiabetic and antimicrobial properties, with the addition of sulfonamides have produce hypoglycemia and antibacterial properties. However, there is little data on derivatives of chalcones with a N- sulfonamide moiety to test their antidiabetic or antimicrobial properties. I will assess *Candida albicans*, *Staphylococcus epidermis*, *Staphylococcus aureus*, *Escherichia coli* and *Aspergillus flavus* by exposing them to differing concentrations of chalcones to assess efficacy by analysis of the minimal inhibitory concentration (MIC) and morphological changes during exposure to chalcones using fluorescent microscopy.

POSTER PRESENTATIONS

ATRIUM: 10:00-11:30

A NOVEL METHOD OF MEASURING DELAY DISCOUNTING BEHAVIOR.

Presenter: Shannon Robertson, Associate Professor of Psychology

This was a pilot study in which I investigated the feasibility of using a new technique for measuring delay and probability discounting behavior.

SMALL WORLD INITIATIVE AT JACKSONVILLE STATE UNIVERSITY

Presenter: Jenna Ridlen, Assistant Professor, Biology

Co-Presenters: Megan Meade, Coordinator, Biology Lab & Lab Safety

Jocelyn Moore, Associate Professor, Biology

Richard Watkins, Instructor, Biology

This project represents results of the introduction of the Small World Initiative Course based undergraduate research experience (CURE) to Jacksonville State University (JSU) Biology I laboratories. The Small World Initiative CURE was originally piloted at Yale University from 2012–2013 before being introduced to over 300 schools in over 15 countries by 2019. We joined the initiative in 2021 as student rejoined face-to-face laboratory classes after a year of virtual class instruction in high school and/or college.

We set up four laboratory sections to investigate the discovery of antibiotics following the World Health Organization's (WHO) prediction of potential premature deaths associated with superbug growth in immunocompromised patients by the year 2050. Students took local soil samples and cultured their own strains of bacteria. Along the way they learned important microbiology and laboratory techniques as well as enhanced scientific communication. This CURE was aimed to increase student engagement in research and matriculation in the face of an enrollment increase at JSU. We will present our SWI start-up challenges, first semester debrief, current setup, and future plans for this program in JSU curriculum.

POSTER PRESENTATIONS

ATRIUM: 10:00-11:30

DIGITAL AGE: INVESTIGATING THE EXPERIENCES OF OLDER ADULTS WITH TECHNOLOGY

Presenter: Allegra Smith, Assistant Professor of English

Older adults aged 60+ represent the fastest growing segment of the US population, yet they are rarely seen as users of technology. Members of this age cohort often struggle with the material and conceptual requirements of computing—such as clicking small targets or remembering usernames and passwords for account logins—leading them to adopt technologies like smartphones and social media at much lower rates than their younger counterparts. Digital devices and interfaces aren't typically designed with older adult users in mind, despite the fact that all users are always aging, and the "silver economy" represents a powerful, and often untapped, market for technological innovations. The little research that has been done to understand the needs and behaviors of older adult technology users often conflates age with disability, framing elders according to a deficit model. While it is certainly important to consider the impacts that aging bodies have on technology use, they are not the sole factor shaping usage for older age cohorts. Moreover, if we reduce elder users to their "impairments," we risk stereotyping them in ways that curtail design possibilities, as well as these users' possibilities for full participation in digital life. For this reason, studies of technology users aged 60+ and their communities are necessary to shed light on the multifaceted needs of older age cohorts, and the interventions into technology design, documentation, and education that can help them reach their digital goals. To build an understanding of the unique technology use of a group of the oldest Americans (aged 75+), as well as to assess their needs and desires for digital engagement, I conducted interviews and observations with computer users in a senior living community.

THE ROLE OF PHYSICAL ACTIVITY ON THE LINK BETWEEN STRESS, BURNOUT, AND WELL-BEING IN ATHLETIC TRAINERS

Presenter: Jennifer Savage-Burgett, Assistant Professor of Kinesiology

Co-Presenters: Christine Pacewicz and Taylor Rowley

Stress is a leading cause of burnout in working professionals, including athletic trainers (ATs). One consequence of burnout for ATs is lower perceptions of well-being, which has implications for mental and physical health. Physical activity is shown to help reduce stress. Thus, activity may help reduce stress and burnout in ATs, while enhancing well-being. Objective: To examine a theoretically based mediating model whereby leisure time physical activity was linked to subjective well-being by way of ATs' perceived stress and burnout.

POSTER PRESENTATIONS

ATRIUM: 10:00-11:30

USING SIMULATION TO IMPROVE SELF-EFFICACY IN AN INTERPROFESSIONAL EDUCATION SETTING

Presenter: Douglas Stephens, Assistant Professor of Nursing

Co-Presenters: Serena Gramling, Assistant Professor of Nursing

Chris Clark, Assistant Professor of Kinesiology

Jennifer Savage-Burgett, Assistant Professor of Kinesiology

Simulation is a component of health care education and has provided students with active learning experiences in a clinical laboratory setting for countless years. Utilizing simulators is an evidence-based teaching approach widely accepted and incorporated in health care education programs, including nursing, respiratory therapy, and athletic training programs. In the simulation laboratory, students experience the "next best thing" to a live patient-care setting. A simulation activity can also allow students to develop greater self-efficacy and better understand the roles and responsibilities of other healthcare professions. Bandura (1982) defined self-efficacy as "being concerned with judgments of how well one can execute courses of action required to deal with prospective situations."

"DON'T FEAR THE LITERATURE REVIEW!" A REVIEW OF LITERATURE REVIEW TEACHING TOOLS

Presenter: Kim Westbrook, Assistant Professor, Business and Social Sciences Librarian

Co-Presenter - Paula Barnett-Ellis, Professor, Health and Sciences Librarian

The literature review is a difficult aspect of research methods courses. The act of artfully weaving together content from an array of scholarly sources is a challenge to teach. This presentation introduces faculty members to literature review teaching strategies, including multiple pathways to better understanding of a topic's pertinent literature.

POSTER PRESENTATIONS

ATRIUM: 10:00-11:30

CORPORATE SOCIAL RESPONSIBILITY AND UNETHICAL PRO-ORGANIZATIONAL BEHAVIOR: DO ALL THE CSR DIMENSIONS HAVE THE SAME EFFECT?

Presenter: Xiang Yi, Professor of Management and Marketing

Corporate social responsibility has three dimensions that focus on customers, employees and society. However, extant literature has treated the three dimensions as if they have the exact same effect on organizational behaviors. Our study tried to explore the differentiating effect of the three CSR dimensions on UPOB and found that some of these dimensions could have conflicting influences, which means the promotion of CSR could lead to unexpected and opposite results.

SPORTS AND EXERCISE CHOICES OF MIDDLE AND HIGH SCHOOL ADOLESCENTS: A CROSS-CULTURAL STUDY

Presenter: Sally Zengaro, Associate Professor of Psychology

**Co-Presenter: Franco Zengaro, Associate Professor of Kinesiology
Yang Song, Washburn**

Purpose: The purpose of this study was to ascertain the type of sports adolescents in China, Italy, and the U.S. played. A secondary scope of this research was to identify which sports selected are more conducive to promoting lifelong physical activity.

Methods: A total of 1,156 participants completed questionnaires on their favorite sports, how long they had played, and at what level (recreation or elite level.) Participants were middle and high school students in Italy (N=332), the U.S. (N=96), and China (N=728), with an average age of 15.42 years (SD=1.66).

Results: Results showed 31% of U.S. participants, 16.9% of the Chinese participants, and 20.2% of the Italian participants did not participate in any sports. The majority of adolescents in each country participated in collision sports (29.2% of U.S. participants, 38.6% of Chinese participants, and 43.7% of the Italian participants). Almost a third of Chinese adolescents (33.2%) participated in noncontact sports activities, while 26.2% of Italian and only 16.7% of U.S. adolescents participated in noncontact sports activities. These results have implications for lifelong fitness.

SHORT PRESENTATIONS

FORMAL 3-10-MINUTE PRESENTATION ON THE FACULTY'S RESEARCH PAPER, PROJECT, SCHOLARSHIP, OR WORK IN PROGRESS. SESSIONS WITH SHORT PRESENTATIONS WILL INCLUDE MULTIPLE PRESENTATIONS WHERE FACULTY WILL EACH BRIEFLY HAVE AN OPPORTUNITY TO FORMALLY PRESENT THEIR WORK, WITH TIME ALLOTTED FOR Q&A.



SHORT PRESENTATIONS

ROOM B01

8:00-8:15

PARTISAN POLITICS AND EXCISE TAX RATES IN THE UNITED STATES

Presenter: William Hankins, Associate Professor of Economics

The literature on excise tax rates has provided mixed evidence concerning how partisan ideology affects tax changes. Using a regression discontinuity design and a panel of U.S. states over the period 1970 - 2019 I find no significant difference in cigarette, distilled spirits, or gasoline excise tax rates between Democratic governors and Republican governors elected by a similar margin. This result is found regardless of whether the governor can run for an additional term or faces a binding term limit. An implication of this result is that interstate tax competition and the mobility of the tax base dwarfs any ideological differences with respect to excise tax policy.

ROOM B01

8:30-8:45

INTERPROFESSIONAL EDUCATION: IT'S ABOUT WE, NOT ME

Presenter: Tracey Matthews, Dean, College of Health Profession and Wellness

Co-Presenter: Sean Creech, Director of Disability Resources

Interprofessional Education promotes teamwork and innovation across disciplines to transform the learning experiences across health-care professions. IPE practices were occurring at Jacksonville State University (JSU, Alabama) but were not operationalized to include IPECs core competencies. The last two years, we have developed an intentional plan to implement IPE across the University. With support from upper administration, we developed a strategic plan to integrate IPE at JSU, including identifying faculty championships, providing faculty resource support, and opportunities for collaborative scholarly work. We will present our process and a scalability of IPE. We will also discuss utilizing various disciplines across our campus and community and innovative design for implementation. Lessons learned, strengths, opportunities, and limitations will be discussed.

SHORT PRESENTATIONS

ROOM B01

9:00-9:15

BLOOD FLOW RESTRICTION: EFFECT ON STRENGTH TRAINING FOR DIVISION I-AA COLLEGE FOOTBALL ATHLETES

Presenter: Chris Clark, Assistant Professor & Program Director, Master's in Athletic Training

Co-Presenter: Keith Lowe, Professor of Business Statistics

This research was part of an interprofessional team consisting of athletic trainers, strength and conditioning coaches, and business faculty to examine the up-and-coming area of blood flow restriction (BFR) in college athletes. Practical applications found include:

Resistance/well-trained populations

Traditional weight-room off-season programs

In-season strength and conditioning maintenance and recovery

Reduction of anti-inflammatory injuries

Longevity of playing careers

ROOM B01

9:30-9:45

IDENTIFICATION OF GENES INVOLVED IN TIMBER RATTLESNAKE VENOM PRODUCTION

Presenter: Chris Murdock, Professor of Biology

Complementary DNA libraries have been constructed for the identification of actively expressed genes in the venom glands of *Crotalus horridus* (Timber Rattlesnake). Current research has focused on the isolation and characterization of novel clones from these libraries using DNA sequencing, followed by functional annotations of putative venom-associated genes.

SHORT PRESENTATIONS

ROOM B01

10:00-10:15

RADICAL EMPATHY: A PEDAGOGY OF ACTION

Presenter: Jennie Vaughn, Assistant Professor of English

Students coming into the university are struggling with monumental anxieties and pressure from sources beyond their control. I can teach writing, but I'm not sure how to navigate the myriad social, work, and familial constraints pressing down on my students daily. Empathy as pedagogy is not a new concept, even in the writing classroom, my area of scholarship. This pedagogy has previously focused on teaching students to feel empathy and apply that feeling to their interactions. Yet, as the 21-century wears on, I find myself thinking more about compassion and empathy, especially "radical empathy" (Givens, Lynam).

Thus, I propose a pedagogy of radical empathy which will foreground empathetic action. My hope is this action centered pedagogy will push my first-year writing classrooms past equity and toward liberation and inclusion.

Questions to explore: Is this pedagogy of radical empathy feasible?

Are there institutional constraints that prevent radical empathy?

Can a pedagogy of radical empathy work toward liberation and inclusion in the first-year writing classroom and the university as a whole?

ROOM B01

10:30-10:45

MORPHOMETRIC QUANTIFICATION OF COCKPIT KARST IN A JAMAICAN BAUXITE MINING CONCESSION

Presenter: Sean Chenoweth, Associate Professor of Geography

A digital surface model (DSM) is used to characterize the landscape and typical karst landforms within a bauxite mining lease in north central Jamaica. Five case study sites are selected for detailed geomorphic analysis and cartographic visualization using a GIS. In Jamaica, tropical cockpit karst landscapes are composed of several landforms: cockpits, glades, corridors, saddles, and talus slopes. Evidence for the existence and quantification of these landforms is provided in this paper. Study sites have a mean basin area of 96,514 square meters, an average highest elevation of 541 m, mean lowest point of 444

m, with an average enclosed depression depth of 97 m. Depth and slope values within the study sites are consistent with previously published literature for cockpit karst landscapes. The literature also supports the findings in this study which are steep and convex slopes surrounding cockpit floor.

SHORT PRESENTATIONS

ROOM B01

11:00-11:15

EXAMINING STUDENT RISK AND RETURN PREFERENCES IN ACADEMIC DECISION-MAKING

Presenter: Benjamin Boozer, Professor of Finance

Co-Presenter: Amy Simon, Instructor of Career Prep

A total of 671 students responded to a survey concerning risk. To gauge a student's perception of risk, the survey asked the following questions: (1) If you were given a choice of Receiving \$500 or flipping coin and receiving either \$0 or \$1000 and (2) If you were given a choice of paying \$500 or flipping a coin and pay either \$0 or \$1000. Overwhelmingly, students selected to receive \$500 (72.0%) for question (1). For question (2), 354 students selected to pay \$500 (52.8%) and 317 selected to flip a coin (47.2%). Additionally, students were asked if given a choice would you rather take an easy class for and earn a higher grade or take a more rigorous class and earn a lower grade but gain the potential to expand knowledge and employability. More than half of the students (58.6%) indicated that he or she would rather take a harder class, while less students (41.4%) indicated he or she would rather take the easy class and high grade.

ROOM B01

2:00-2:15

ARCHAEOLOGY OF SMALL DWELLINGS IN MEDIEVAL ICELAND

Presenter: Kathryn Catlin, Assistant Professor of Anthropology

Iceland was first settled by Norse farmers in the late 9th century AD. Archaeologists have generally thought that the settlement was driven by powerful chieftains, who lived in big longhouses on large farms with their entire household all together ... until now. In 2022, a JSU-led team of archaeologists excavated part of what may be the oldest, tiniest longhouse on the least likely patch of land in all of Iceland. In this talk, I'll present what we learned, how it's changing what we think we know about Iceland's settlement, what this may mean for larger questions about settlement processes and human ecodynamics, and what we plan to do next summer and beyond.

ROOM B01

2:30-2:45

HARMONIZATION OF ENGLISH AND U.S. PREFERENCE LAW REGIMES: IS THE ORTHODOXY LOSING TRACTION?

Presenter: Rob Landry, Professor of Finance

Avoidance regimes under English and U.S. laws, such as preferential transfers, promote the principles of equality and deterrence -the orthodoxy. However, equality and deterrence are not sacrosanct. This paper examines English and U.S. preference regimes showing how each regime deviates from the orthodoxy. Neither regime promotes the primacy of equality and neither serves as an effective deterrent. Both jurisdictions application of preference law promotes a firm's rescue. The case is made that the orthodoxy of preference law has been replaced by a new orthodoxy - rescue.

SHORT PRESENTATIONS

ROOM B01

3:00-3:15

THE USE OF FROG EMBRYOS TO STUDY BIRTH DEFECTS.

Presenter: James Rayburn, Professor of Biology

A brief presentation of the research I have conducted in the last few years, and the importance of studying materials and substances that can cause birth defects from both a human health and environmental perspective.

ROOM B01

3:30-3:45

FACETS OF FEMINIST BIOGRAPHY: PAST REFLECTIONS AND FUTURE PROJECTIONS

Presenter: Joanne Gates, Professor Emerita, English

This is a brief overview of how I have continued to be engaged with research on Elizabeth Robins in the context of other women writers, post retirement. The presentation's subtitle might be phrased as "From my study of the one woman show in graduate school to creative and poetic approaches as emerita researcher." I maintain the Elizabeth Robins Web at JSU and have presented two papers (virtually at recent SAMLA conferences) since leaving the classroom. I am particularly interested in the format of several poetry collections that piece together a life of a prominent woman with clear autobiographical content from the author. Carole Oles has authored "Inventions on the Life of Harriet Hosmer" and "Inventions on the Life of Maria Mitchell." Honoree Fanonne Jeffers produced the impressive "The Age of Phillis" based on her research on Phillis Wheatley. I hope to briefly share some ideas on how I've scoped out an idea for a novel based on accomplishments of Elizabeth Robins.

ROUND TABLE PANEL PRESENTATIONS

AN INFORMAL 10-15-MINUTE PRESENTATION ON THE FACULTY'S RESEARCH PAPER, PROJECT, SCHOLARSHIP, OR WORK IN PROGRESS. SESSIONS WITH ROUND TABLES WILL INCLUDE MULTIPLE INFORMAL PRESENTATIONS FOLLOWED BY AN INFORMAL DISCUSSION OF THE PROJECTS.



ROUND TABLE PRESENTATIONS

MERRILL HALL FACULTY LOUNGE: 3RD FLOOR

FACULTY
LOUNGE

10:00-10:15

EXPLORING PRACTICES, MENTORING, AND THE STRUCTURE OF GRADUATE SPORT MANAGEMENT INTERNSHIPS/FIELD EXPERIENCES WITHIN GRADUATE SPORT MANAGEMENT PROGRAMS

Presenter: Reggie Overton, Professor of Kinesiology

When referring to the term mentorship, are you talking about the internship site supervisor or are you talking about the university internship coordinator, or a combination of both entities?

An investigation into what institutions are practicing in terms of their internship programs is needed. Questions such as: How many hours will the student need to complete on the Internship site? Are the Internships local, regional, national, and/or international, do institutions have controlled internships at pre-approved sites near their university? Are there weekly reports to be submitted by the student, mid-term and final evaluations, or a combination of both. Are there weekly intern Zoom/Teams meetings with the university intern supervisor, visits by the university intern supervisor, or a combination of meetings? Are there extensive final portfolios required of the student, a comprehensive research paper, or a reflection paper? Is there an internship seminar class requirement, field experience requirement, or both before the student can enroll in the internship? This research will explore the aforementioned questions in roundtable format.

ROUND TABLE PRESENTATIONS

MERRILL HALL FACULTY LOUNGE: 3RD FLOOR

FACULTY
LOUNGE

10:30-10:45

“MOCK INTERVIEWS AND STUDENT SUCCESS: HELPING STUDENTS TO ACHIEVE GAINFUL EMPLOYMENT UPON GRADUATION.”

Presenter: Karlie Johnson, Assistant Professor, History Librarian

Co-Presenter: Jodi Poe, Department Head, Technical Services Professor

Applying and interviewing for a job is a multi-faceted and complex process that can prove to be an insurmountable obstacle to brand-new graduates entering the field. There are no clear-cut guides or directions (any information is presented as more like suggestions) on how to interview properly. Because of this conundrum, many graduates spend extra time on the job market fumbling through failed interviews. I experienced a similar situation with my own early job hunting, and this prompted a question, “How can experienced librarians help library science students in the job application process, with a special focus on the interview process?” Two answers quickly came to mind: experience and real world application.

Upon starting at JSU in 2017, I began collaborating with Ms. Jodi Poe, Head of Technical Services on this question and brought forth the idea of instituting a mock job application and interview process into the Houston Cole Library’s internship procedures. An intern would work closely with librarians in different departments to gain a wide range of relevant experience, and could also now have the option to go through a mock, real-world interview process and receive constructive feedback on ways to improve. Through this mock interview process, the hope is that interns acquired a blueprint to better understand the ins and outs of the interview process and ultimately improve their chances of attaining gainful employment. This presentation will address the creation of Houston Cole Library’s mock interview process and the need for this type of program across the disciplines to help with student success.

ROUND TABLE PRESENTATIONS

MERRILL HALL FACULTY LOUNGE: 3RD FLOOR

**FACULTY
LOUNGE**

11:00-11:15

"QUEERNESS, KINKMEMES, AND ANTICOLONIALITY IN OUR FLAG MEANS DEATH FANFICTIONS"

Presenter: Cara Marta Messina, Assistant Professor of English

After only four months since the show's release, there have been over 7,000 fanfiction published about the HBO television *Our Flag Means Death* (OFMD). Fanfiction is when a fan of a particular media writes fiction about that media, including diving into character's backstories, rewriting specific scenes, exploring imaginative scenarios, or writing about the universe more generally. Using computational and qualitative methods to analyze these 7,000+ fanfictions, this project explores genre trends within the OFMD fandom as well as how fans uptake representations of queerness, anti-coloniality, and anti-racism in the show. How do critical fans think through the intersections of gender, sexuality, race, and anticolonialism with their creative writing? How are these intersections represented through their fanfictions? This presentation is part of a chapter for a larger book, "Writing Critical Fandoms," about online fandoms and fanfiction.

**FACULTY
LOUNGE**

3:00-3:15

IMPACT OF ENTREPRENEURIAL COMPETENCIES ON COMPETITIVE AGILITY AND FIRM PERFORMANCE

Presenter: Ki Kim, Associate Professor of Management and Marketing

The recent emergence of the digital economy and global competition raised the bar on how to compete in new business. Recently, agility has received attention from both researchers and practitioners to cope with hyper-competition. This study proposes how a firm's IT capabilities, opportunistic competencies, and agility impact firm performance.

ROUND TABLE PRESENTATIONS

MERRILL HALL FACULTY LOUNGE: 3RD FLOOR

**FACULTY
LOUNGE**

3:30-3:45

IPE: ITS ABOUT WE, NOT ME

Presenter: Chris Clark, Assistant Professor of Kinesiology

Co-Presenter: Tracey Matthews, Dean, College of Health Professions and Wellness; Sean Creech, Director of Disability Resources;

Allison Newton, Assistant Professor of Emergency Management & Public

Administration; Sayyed F.A. Shah, Assistant Professor of Communication;

Douglas Stephens, Assistant Professor of Nursing; Serena Gramling, Assistant Professor of Nursing

This round table is designed to provide an opportunity for individuals interested in IPE to learn with, from, and about other disciplines and how IPE can be integrated across campus. JSU has invested in an IPE task force, and we want to explore some ideas of how any discipline can utilize IPE for both in student and faculty development. Examples will be provided; however, the intent of the round table is for individuals to bring possibilities to discuss.

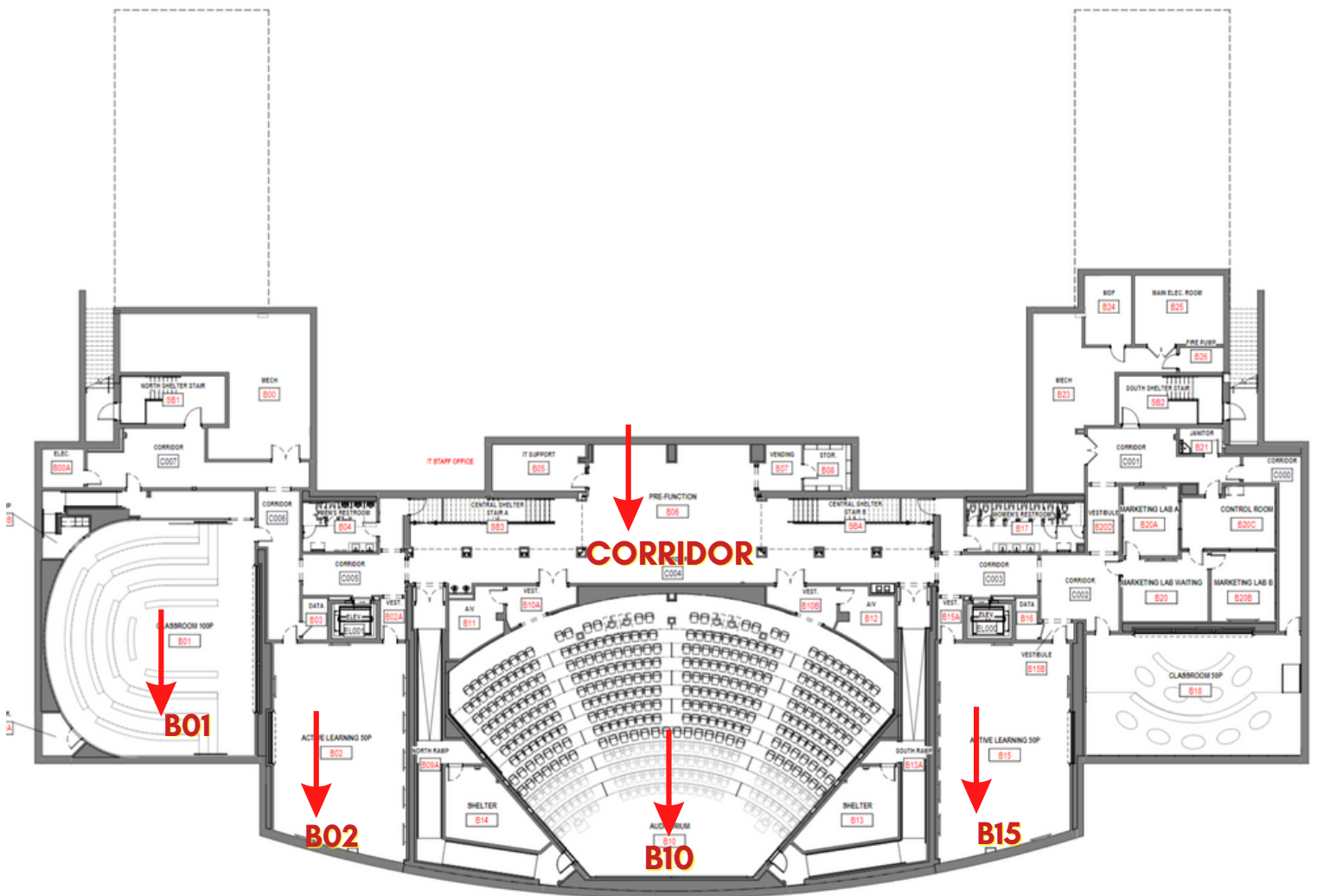
EVENT MAP OF MERRILL HALL



BASEMENT

MERRILL HALL

ROOMS B01, B02, B10, B15



B01: KEYNOTE LUNCHEON AND PRESENTATION SPACE

B02: PRESENTATION SPACE

B10: PRESENTATION SPACE

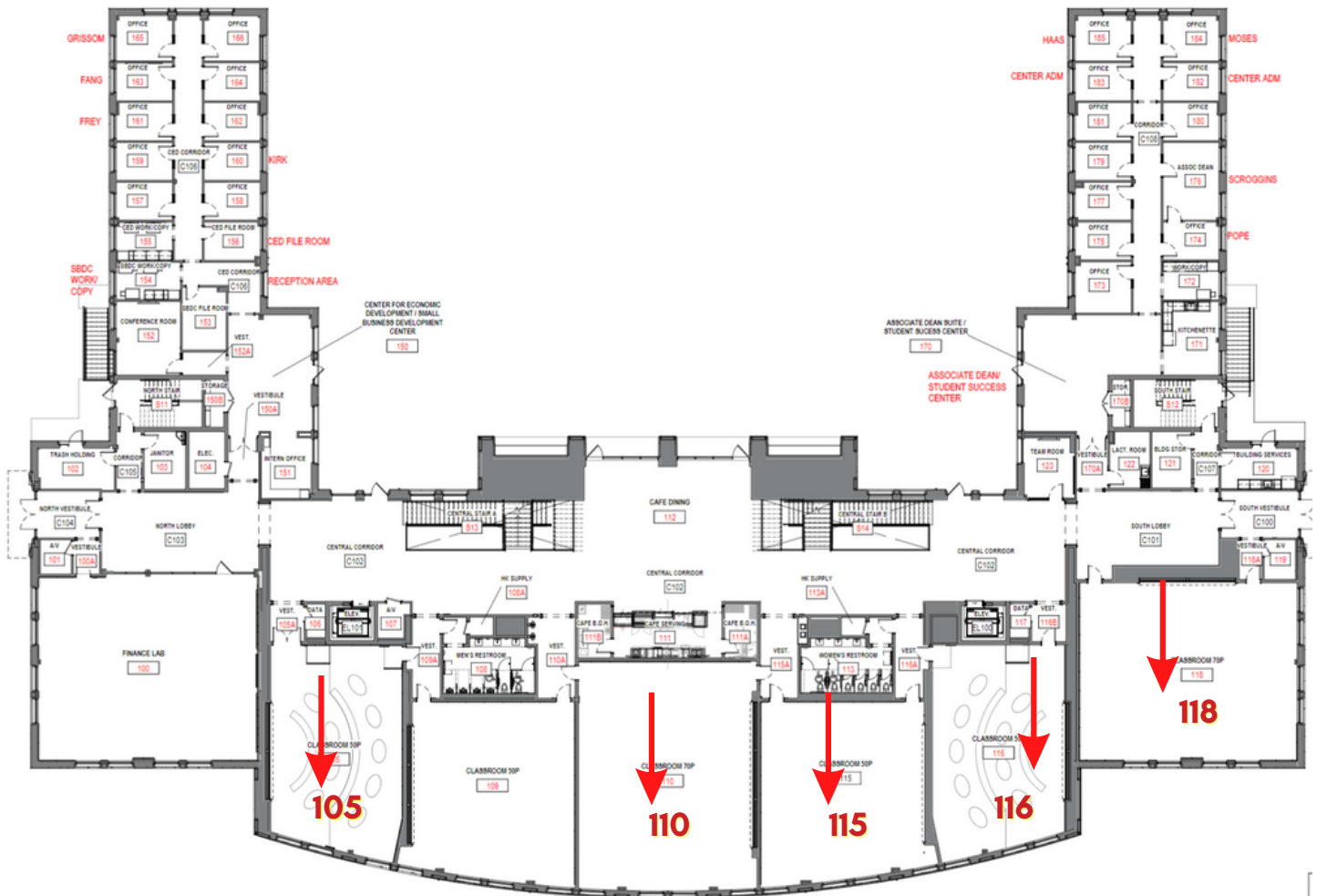
B15: PRESENTATION SPACE

BASEMENT CORRIDOR: MORNING REFRESHMENTS AND LUNCHEON SET UP

FIRST FLOOR

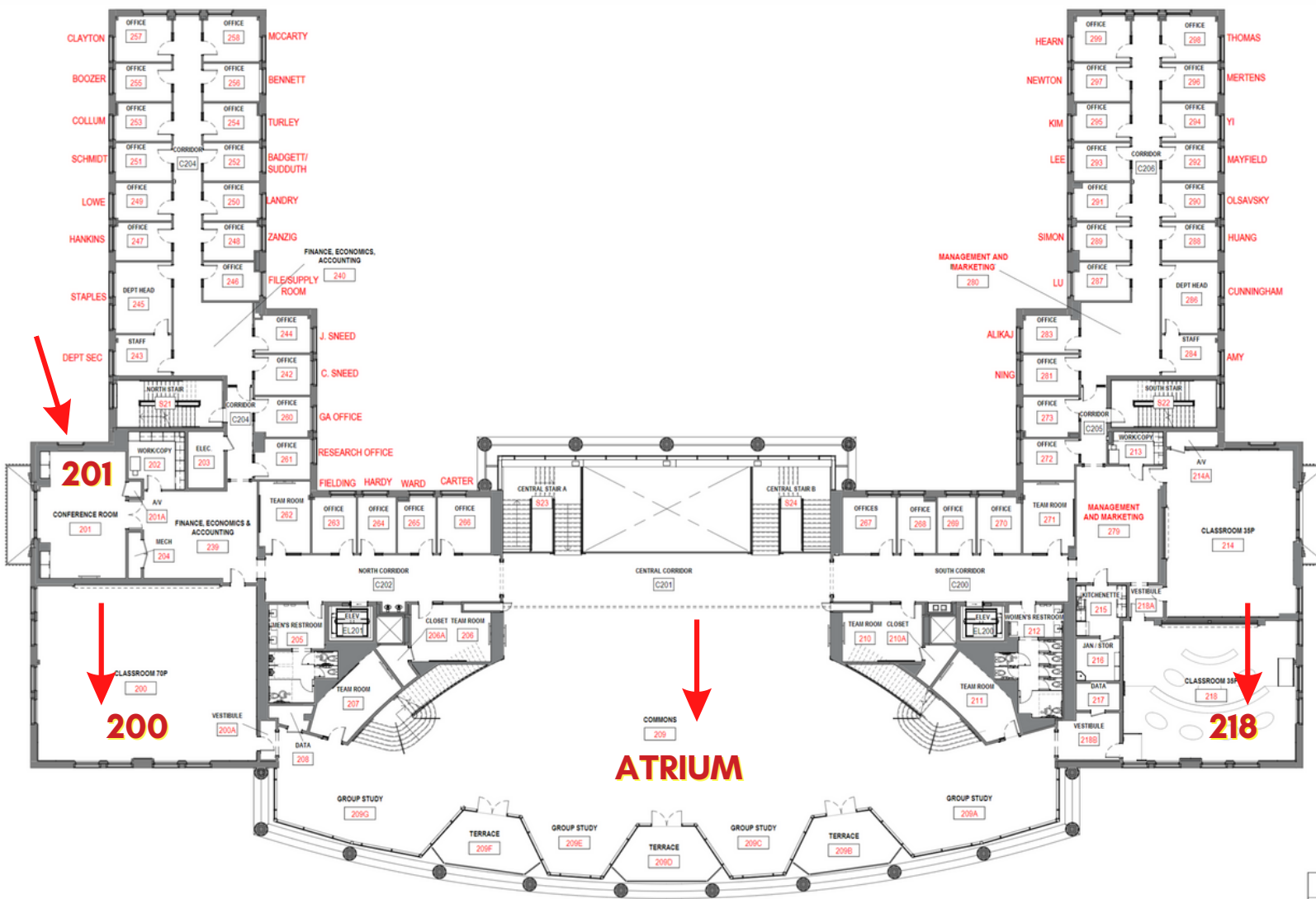
MERRILL HALL

ROOMS 105, 110, 115, 116, 118,



- 105:** PRESENTATION SPACE
- 110:** PRESENTATION SPACE
- 115:** PRESENTATION SPACE
- 116:** PRESENTATION SPACE
- 118:** PRESENTATION SPACE

SECOND FLOOR MERRILL HALL ROOMS 200, 218, ATRIUM



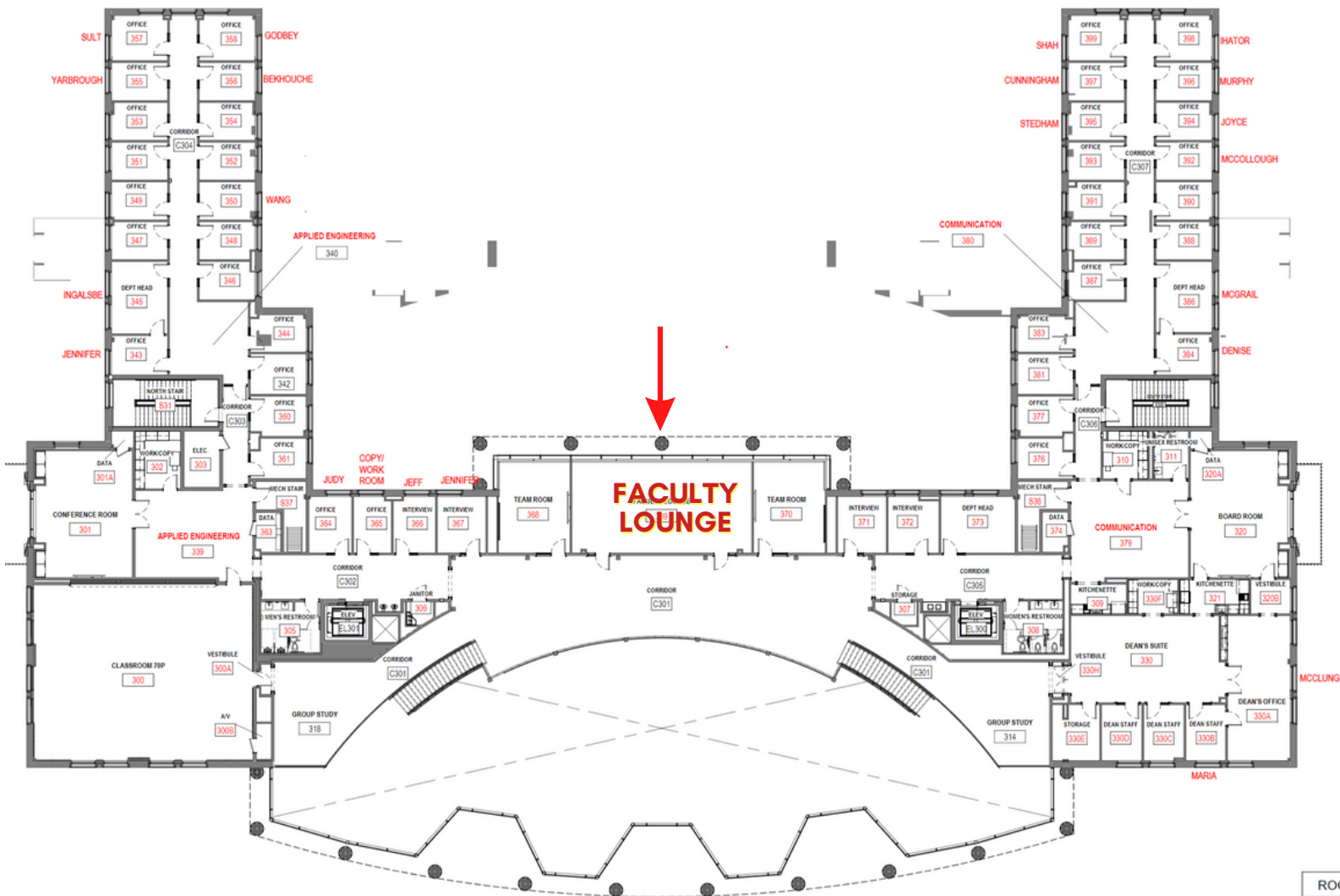
201-CONFERENCE ROOM: FACULTY RESEARCH SYMPOSIUM JUDGING SPACE AND COMMITTEE ROOM

200: PRESENTATION SPACE

218: PRESENTATION SPACE

ATRIUM: POSTER PRESENTATIONS; AWARDS RECEPTION AT 5:00 PM

THIRD FLOOR MERRILL HALL FACULTY LOUNGE



FACULTY LOUNGE: ROUND TABLE PANEL SESSIONS



AWARDS RECEPTION

**BEGINS PROMPTLY AT
5:00 PM
REFRESHMENTS
WILL BE SERVED**

**WELCOME AND THANKS
MICA MECHAM
DIRECTOR OF FACULTY
COMMONS**

**PRESENTATION OF
AWARDS
PRESENTED BY THE
FACULTY RESEARCH
SYMPOSIUM COMMITTEE
MEMBERS**

CLOSING REMARKS



THANK YOU FOR YOUR PARTICIPATION

**INAUGURAL FACULTY RESEARCH SYMPOSIUM
AN INTERDISCIPLINARY SHOWCASE
OF RESEARCH AND CREATIVE SCHOLARSHIP AT
JACKSONVILLE STATE UNIVERSITY**

**SPONSORED BY FACULTY COMMONS
DIRECTOR, MICA MECHAM
TRAINING AND EVENTS COORDINATOR, BRANDY ROBERTS**