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2021 Student Research Symposium Program

Georgia Southern Research Symposium

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**STUDENT RESEARCH
SYMPOSIUM 2021**
GEORGIA SOUTHERN UNIVERSITY

INTRODUCTION

The Research Symposium is a showcase of student undergraduate and graduate research and creative activity across all campuses. The symposium is a virtual, week-long event occurring in the spring semester, to celebrate the outstanding work of students. Join us to learn about the scholarly projects occurring on all three campuses! This event includes oral and poster presentation sessions as well as keynote speakers and side events for student research development.

This year, a total of 140 students from all disciplines will be presenting their scholarly and creative work. Presentations include a variety of topics from COVID-19 to gender studies. Not presenting? No worries! All oral, poster presentations and performances will be prerecorded, ready to watch anytime, and available for Q&A via Youtube throughout the week.

Presenters, please visit the guidelines tab while preparing your presentations.

Both oral and poster presentations will be prerecorded this year. View the instructions for presenters for detailed information on how to prepare your presentations.

There will be a series of synchronous side events for student research and faculty mentor support during the week of the Symposium. View the program page.

Please send any queries to the Office of Research at researchsymposium@georgiasouthern.edu.

WELCOME



Welcome from Dr. Kyle Marrero
(President, Georgia Southern University)



Welcome from Dr. Carl Reiber
(Provost and Vice President for Academic Affairs,
Georgia Southern University)



Welcome from Dr. Christopher Curtis
(Vice Provost for Research and Scholarship,
Georgia Southern University)

KEYNOTE SPEAKER



DR. JEANNE MEKOLICHICK

*Associate Provost of Academic Programs and Professor of Sociology
Radford University, Virginia*

Dr. Jeanne Mekolichick is Associate Provost of Academic Programs and Professor of Sociology at Radford University, Virginia. She provides senior leadership, advocacy, and direction for the high impact practice offices, academic support programs, and strategic initiatives. She spent the early part of her career teaching, mentoring, and publishing with undergraduates, and collaborating with community partners conducting research. During her tenure at Radford University, Dr. Mekolichick has served in a variety of leadership roles and has been recognized for her teaching and leadership expertise.

Her work has been funded by external sources including the Howard Hughes Medical Institute, the National Science Foundation, the Jessie Ball duPont Foundation, and the Verizon Foundation for mission-central efforts including community-based research, inclusive excellence, and faculty and student support for undergraduate research, scholarship and creative inquiry. Dr. Mekolichick has held several leadership roles in the Council on Undergraduate Research, including Councilor, Social Science Division Chair, Institute Facilitator, Executive Board member, and is currently serving as President Elect.

Dr. Mekolichick graduated Phi Beta Kappa with a Bachelor's of Arts degree in sociology from Kent State University. She went on to earn her masters of science and doctorate of philosophy both in sociology also from Kent State University.

LIVE EVENTS

MONDAY, APRIL 12, 2021

10 A.M. - NOON

Library Research Clinics

[Drop-in Clinic: What is your Professional Identity?](#)

Co-hosts: Ruth Baker, Jeffrey Mortimore and Beth Burnett

Are you wondering how to establish your professional identity? Or what resources are available to assist you?

“Drop in” to one of the online Identity Clinics held via Zoom during the 2021 Georgia Southern University Student Research Symposium to find out more. Specialists from the Georgia Southern University Libraries will be on hand to answer your questions!

3 - 4 P.M.

Career Services Presentation I

[Life after college: How to prepare and choose the best career for you \(I\): Identifying opportunities](#)

Host: Brandon Solie

TUESDAY, APRIL 13, 2021

10 A.M. - NOON

Library Research Clinics

[Drop-in Clinic: What is your Professional Identity?](#)

Co-hosts: Ruth Baker, Jeffrey Mortimore and Beth Burnett

Are you wondering how to establish your professional identity? Or what resources are available to assist you?

“Drop in” to one of the online Identity Clinics held via Zoom during the 2021 Georgia Southern University Student Research Symposium to find out more. Specialists from the Georgia Southern University Libraries will be on hand to answer your questions!

3 - 4 P.M.

Career Services Presentation II

[Life after college: How to prepare and choose the best career for you \(II\): Preparing an application package](#)

Host: Brandon Solie

WEDNESDAY, APRIL 14, 2021

10 A.M. – 11:30 A.M.

Library Research Clinics

[Drop-in Clinic: What is your Professional Identity?](#)

Co-hosts: Ruth Baker, Jeffrey Mortimore and Beth Burnett

Are you wondering how to establish your professional identity? Or what resources are available to assist you?

“Drop in” to one of the online Identity Clinics held via Zoom during the 2021 Georgia Southern University Student Research Symposium to find out more. Specialists from the Georgia Southern University Libraries will be on hand to answer your questions!

NOON – 1 P.M.

Q/A Session with Keynote Speaker

[A Discussion with Council on Undergraduate Research \(CUR\) President-elect \(Dr. Jeanne Mekolichick\): Igniting the Transformative Power of Undergraduate Research](#)

Session Moderators: Asli Aslan and Kymberly Harris

Meet with the CUR Director and learn about faculty and student opportunities in advancing undergraduate research

3 – 4 P.M.

Career Services Presentation III

[Life after college: How to prepare and choose the best career for you \(III\): Interviewing skills](#)

Host: Brandon Solie

THURSDAY, APRIL 15, 2021

4 – 5 P.M.

Eagle QuaRC

[Graduate Student Qualitative Research Collective](#)

Moderators: Nikki DiGregorio – Session A., Pamela Wells – Session B

5:30 – 6:30 P.M.

College of Graduate Studies Workshop

[Beyond the Resume: Preparing for Life After Graduate School](#)

Host: Checo Colon Gaud

For any issues with Zoom meetings, contact MyTechSupport via phone, email, support ticket, chat, video chat or text message.

STUDENT PRESENTATIONS

KRISTIFER BELL

Manufacturing & Characterization of Ceramic-Polymer Hybrid Composite with Tunable Stiffness

Allen E. Paulson College of Engineering and Computing (CEC) | Poster | Faculty Advisor: Dr. Mahmoud Baniasadi

KRISTIFER BELL

Comparison of Citric Acid and Sulfuric Acid in Type III Aluminum Anodizing

Allen E. Paulson College of Engineering and Computing (CEC) | Poster | Faculty Advisor: Dr. Mahmoud Baniasadi

DIOGO CUNHA MENDES

Surface and Mechanical Characterization of Steel Plates Coated with Anti-Corrosion Triazole Derivatives

Allen E. Paulson College of Engineering and Computing (CEC) | Poster | Faculty Advisor: Dr. Mahmoud Baniasadi

ERIN DOBIES

Investigating the mechanical properties of additively manufactured PEGDA-Cellulose Nanocrystal hybrid hydrogel by UV-DLP

Allen E. Paulson College of Engineering and Computing (CEC) | Poster | Faculty Advisor: Dr. Kamran Kardel; Dr. Mahmoud Baniasadi

MARIA GONZALEZ BOCANEGRA

Convolutional Neural Network-Based Disaster Assessment Using Unmanned Aerial Vehicles

Allen E. Paulson College of Engineering and Computing (CEC) | Oral | Faculty Advisor: Dr. Rami J. Haddad

MD SHAHJAHAN HOSSAIN

Acoustic Emission (AE) for In Situ Monitoring of Metal Additive Manufacturing Process

Allen E. Paulson College of Engineering and Computing (CEC) | Poster | Faculty Advisor: Dr. Hossein Taheri

MICHAEL JONES

Thermal transport behavior of graphite coated thorium dioxide

Allen E. Paulson College of Engineering and Computing (CEC) | Oral | Faculty Advisor: Dr. Md Jahidur Rahman

CHANDLER LIGGET

Materials Characterization of Short Carbon Fiber Reinforced Composite Fabricated via 3D Stereolithography

Allen E. Paulson College of Engineering and Computing (CEC) | Oral | Faculty Advisor: Dr. Mahmoud Baniasadi

AMELIA NCNAMEE

Effects of Varied Oxygen Levels on Manufactured Components by Laser-Powder Bed Fusion

Allen E. Paulson College of Engineering and Computing (CEC) | Poster | Faculty Advisor: Dr. Drew Snelling

KM RISADUZZAMAN

Temporal variability in denitrification in the freshwater reservoir

Allen E. Paulson College of Engineering and Computing (CEC) | Poster | Faculty Advisor: Dr. Francisco Cubas Suazo

KYLE ROBERTS

3D Printing of Silicone Elastomers with Sacrificial Support

Allen E. Paulson College of Engineering and Computing (CEC) | Oral | Faculty Advisor: Dr. Yue Zhang

MOHAMMAD SHAHABUDDIN

A Semi-active Vibration Isolator for of the 3D Printed Material on a Shipboard

Allen E. Paulson College of Engineering and Computing (CEC) | Oral | Faculty Advisor: Dr. Sevki Cesmeçi and Dr. Mahmoud Baniasadi

ZIQI WANG

Improving Pneumonia Diagnosis Accuracy via Systematic Convolutional Neural Network-Based Image Enhancement

Allen E. Paulson College of Engineering and Computing (CEC) | Oral | Faculty Advisor: Dr. Rami J. Haddad

YEARIM YANG

NZE Residential Test Facility analysis throughout summer/winter peak months for Thermal Comfort Prediction

Allen E. Paulson College of Engineering and Computing (CEC) | Poster | Faculty Advisor: Dr. Marcel Maghiar

BEATRICE BEAN

Diversity in Criminal Justice Curriculum: How much emphasis do universities place on including topics of diversity, social justice, inequality, ethics, and race/racism?

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Akiv Dawson

BREYANA BLOCKER

Racial Differences in Perceived Stress and Fear Due to Covid-19

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Wendy Wolfe

FABERGE BROOKS

Effects of Video Prompting with a Point-of View Perspective to Teach Daily Living Skills to Individuals with Autism: A Systematic Literature Review

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Jennifer Wertalik

CARLOTA CRUCES SERRANO

Parenting Styles Influence on Career Decision-Making

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Joshua Williams

MADISEN DUKE

Assessing Behavioral Fluency of Daily Living Skills

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Jennifer Wertalik

JACOB FLANDERS

Russia's Arms Trade in Africa (2010-2020): A Return to the Heart of Africa

College of Behavioral and Social Sciences (CBSS) | Oral | Faculty Advisor: Dr. José Ze de Arimatéia da Cruz

HAYLEY HOUSEMAN

Performance Monitoring and Self-Control

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Janie Wilson

ARIANNA JOHNSON

Abenomics' Effect on Gender Inequality in Japanese Society and the Workplace

College of Behavioral and Social Sciences (CBSS) | Oral | Faculty Advisor: Dr. Christopher Brown

EMILY JONES

The Material Culture of Health at Camp Lawton

College of Behavioral and Social Sciences (CBSS) | Oral | Faculty Advisor: Dr. Ryan K. McNutt

JOHN MACK

The New Open Forum: Social Media Use in Georgia Gubernatorial Elections

College of Behavioral and Social Sciences (CBSS) | Oral | Faculty Advisor: Dr. Patrick Novotny

MACKENZIE MILLER

People with disabilities just want to feel good too: Female consumers that use mobility aids satisfaction with retail selection and garment design characteristics

College of Behavioral and Social Sciences (CBSS) | Oral | Faculty Advisor: Dr. Addie Martindale

KERA MOLTON

Correlation of Gratitude subscales as a Predictor of Stress and Depression during COVID-19 Pandemic

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Wendy Wolfe

ALEXANDER PERALTA

Different university-level instructional decisions: Student and faculty anxiety during Covid-19

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Joshua Williams

SOFIA PEREZ

Probability discounting of seeking primary care treatment and flu vaccinations

College of Behavioral and Social Sciences (CBSS) | Oral | Faculty Advisor: Dr. Jonathan Friedel

KAITLYNN PERRY

Colonoware and the Archaeology of Urban Slavery

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Kara Bridgman-Sweeney

CHELSEA RILEY

The Culture Gap: The Role of Culture in Successful Refugee Settlement

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Srobana Bhattacharya

MEGAN SMALL

The Effects of Different Types of Restrictions on Decision-Making in Humans

College of Behavioral and Social Sciences (CBSS) | Oral | Faculty Advisor: Dr. Jonathan Friedel

PATRICK SMITH

Examining the Effects of the COVID-19 Pandemic on the Economic Crisis in Argentina

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Christopher Brown

CORY WARE

Black Students' Perceptions of Diversity and Inclusion at Predominantly White Institutions

College of Behavioral and Social Sciences (CBSS) | Oral | Faculty Advisor: Dr. Kristina Patterson

LEIGHA WILLIAMS

The Graham Vault: Analysis of Skeletal Material Found After Reopening in 1980

College of Behavioral and Social Sciences (CBSS) | Oral | Faculty Advisor: Dr. Matthew Compton

LEAH YAKABOVITIS

Impact of Covid-19 on Related Attitudes, Behaviors, and Stress

College of Behavioral and Social Sciences (CBSS) | Poster | Faculty Advisor: Dr. Wendy Wolfe

LAUREN AKERS

Exploring Factors that Influence Teaching Moves and Rationales in Preservice Elementary Mathematics Teachers

College of Education (COE) | Poster | Faculty Advisor: Dr. Montana Smithey

BROOKE ARMESTO

Becoming Inclusive: A Collection and Analysis of the Perceptions of Newly Qualified General Elementary Education Teachers on their Preparedness for Teaching in Inclusive Settings

College of Education (COE) | Oral | Faculty Advisor: Dr. Meca Williams-Johnson

BROOKE ARMESTO

Transitioning to a hybrid model: Mathematics content courses for K-8 preservice teachers

College of Education (COE) | Oral | Faculty Advisor: Dr. Heidi Eisenreich

KATHERINE FALLON

Keeping our schools safe: Examining perceptions of crisis frequency and preparedness of educators in a statewide online charter school

College of Education (COE) | Oral | Faculty Advisor: Dr. Juliann McBrayer

DONNA MORRIS

A Multimodal, Integrated Content-Area Literacy Lesson

College of Education (COE) | Oral | Faculty Advisor: Dr. Anne Katz

KATIE SPARKS

Literature Research Essay

College of Education (COE) | Oral | Faculty Advisor: Dr. Jane Rago

DIAMOND ROBERTS

Community Literacy in Focus

College of Education (COE) | Poster | Faculty Advisor: Dr. Anne Katz

ALEXANDRIA SLEDGE-TOLLERSON

A Family Literacy Project and Place-Based Writing Initiative

College of Education (COE) | Poster | Faculty Advisor: Dr. Anne Katz

YOLANDA SURRENCY

Mothering Through My Pain

College of Education (COE) | Oral | Faculty Advisor: Dr. Delores Liston

NAKITA ANDREWS

Numerical Approximation of Lyapunov Exponents and Its Applications in Control Systems

College of Science and Mathematics (COSM) | Oral | Faculty Advisor: Dr. Yan Wu

KATHERINE BARRS

Impacts of chronic disease and mobility patterns on elderly populations during a global pandemic

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Meimei Lin

GRACE BLOUNT

1, 2, 3 Triazoles \hat{I} - Amino Acid Derivatives as Drug Candidates

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Rebecca Kocerha

SIERRA BYRD

Ketone Bodies and The Atkins Diet

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Worlanyo Eric Gato

GEORGE DURRELL

Synthesis, characterization and reactivity of a tetra(acetonitrile) ruthenium(II) complex, [(NCCCH₃)₄RuPh(P{OCH₂}₃CEt)][BARF]

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Brandon Quillian

JODY ERBER

Upregulation of heat stress genes of ribbed mussels in exposed areas of the salt marsh on Tybee Island, GA.

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Worlanyo Eric Gato

FOUZIA FAHRIN

Unsupervised classification of ozone profiles from ozonesonde data

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Dan Jones; Dr. Yan Wu

CHARITY FEMI- OYETORO

Self-assembled Silica Nanoparticles for Controlled Drug Delivery

College of Science and Mathematics (COSM) | Oral | Faculty Advisor: Dr. Ji Wu

SARAH FULLER

Microstructural Analysis of the Modoc Fault Zone at Clarks Hill Reservoir, Georgia

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Timothy Diedesch

ALEXANDER GREGORY

Characterizing phenology and fecundity of *Spartina alterniflora*, the dominant species of coastal salt marshes in Georgia

College of Science and Mathematics (COSM) | Oral | Faculty Advisor: Dr. Heather Joesting

KYLIE HANNAFEY

Mathematical Modeling of the Stock Market

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Hua Wang

AMANDA JANSCH

Characterization of Poly(Aspartic Acid) Hydrolase-2

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Mitch Weiland

GABRIEL LOOS

Counting Cyclic Compositions with restricted parts

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Hua Wang

SHANNON MATZKE

What's a Town to Dune: Can Vegetation be Used to Determine the Success of a Constructed Coastal Sand Dune?

College of Science and Mathematics (COSM) | Oral | Faculty Advisor: Dr. Lissa Leege

EMORY MCKENZIE

Structural Deformation of the Modoc Zone in Eastern Georgia

College of Science and Mathematics (COSM) | Oral | Faculty Advisor: Dr. Tim Diedesch

JUAN MITCHELL

Assessing the Aptitude of Ionic Current Rectification in Developing Controllable Drug Delivery Systems: A Survey Using Ibuprofen

College of Science and Mathematics (COSM) | Oral | Faculty Advisor: Dr. Ji Wu

MEGAN ELLESSE PETTY

Methylome investigation of introduced and native populations of the ubiquitous house sparrow (*Passer domesticus*)

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Aaron Schrey

MOHAMMAD RUBAYET RAHMAN

An improved mathematical model for anterior-posterior patterning of *Drosophila* wing disc

College of Science and Mathematics (COSM) | Oral | Faculty Advisor: Dr. Zhan Chen

ALYSA RODRIGUEZ

Trichome Growth on Hemp

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. Marylous Machingura

SIERRA SANTIAGO

Wise Women in Fibonacci Numbers

College of Science and Mathematics (COSM) | Poster | Faculty Advisor: Dr. James Brawner

AUSTIN SEYMOUR

SARS-CoV-2: A Summary of Pathophysiology and Pathogenesis

College of Science and Mathematics (COSM) | Oral | Faculty Advisor: Dr. Worlanyo Eric Gato

JESSICA WARE

Does groundwater chemistry differ between healthy salt marshes and marsh dieback?

College of Science and Mathematics (COSM) | Oral | Faculty Advisor: Dr. Jacque Kelly

IREYIMIKA ALABI

Comparison between particulate matter emissions from 3D printers of different models

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Oral | Faculty Advisor: Dr. Atin Adhikari

ELIZABETH AYANGUNNA

Association of in-school and electronic bullying with suicidal tendencies and feelings of hopelessness among adolescents in the United States

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Gulzar Shah

JANET CHOONGO

Social Media Use and Transition into online classes among undergraduate students during Covid-19 Pandemic

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Oral | Faculty Advisor: Dr. Joseph Telfair

DARBY CLARK

Characterization of the tick species present on livestock and dogs in western Uganda

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Mariana Eremeeva

MARGARET DAVIES

SARS-CoV-2 Transmission Potential and Policy Changes in South Carolina, April 2020 -January 2021

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Isaac Chun-Hai Fung

AUBREY DAYTON-KEHOE

A COVID-19 Story: Late surges and varying public health policy approaches in the Midwest from March 1, 2020-January 10, 2021

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Isaac Chun-Hai Fung

SHALOM EMMANUEL

Comparing Particulate Matter, Carbon monoxide and Formaldehyde Exposures During Two Work Shifts in a Large University Dining Commons Kitchen

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Atin Adhikari

RUBY HALLAM

A survey of weight stigma among college students

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Stacy Smallwood

XINIYI HUA

COVID-19 and Impact of Population, Location, and Policy Measures in Arkansas and Kentucky

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Isaac Chun-Hai Fung

OSAREMHEN IKHILE

Sociodemographic factors predicting school and electronic bullying among young people in the United States

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Oral | Faculty Advisor: Dr. Gulzar Shah

ANGELIQUE JENNINGS

Intervention differences between mothers and fathers of children with developmental disabilities to improve mental health: A systematic literature review

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Joanne Chopak-Foss

JACOB JONES

Wax moth *Galleria mellonella* larvae as a model to study *Rickettsia* infection

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Oral | Faculty Advisor: Dr. Marina Ereemeeva

IFEOLUWA KAYODE

The Role of Social Determinants of Health in Hydroxyurea Adherence Among Persons with Sickle Cell Disease: A Systematic Review

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Oral | Faculty Advisor: Dr. Tilicia L. Mayo-Gamble

KENDRICK KING

How Implicit Bias and Structural Racism of African American Women in a Healthcare Setting is Affecting the Maternal Mortality Rate in Georgia

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Joanne Chopak-Foss

ARSHPREET MALHI

Changes in the association between overweight and depression across three major ethnic groups, between 2005- 2018

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Jian Zhang

ROSHNI MODI

Evaluation of SIMEX extrapolation methods in Accelerated failure time models with covariate measurement error.

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Lili Yu

KIANA MONCUR

Detection of rickettsiae in ticks infesting livestock in Uganda

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Oral | Faculty Advisor: Dr. Marina Ereemeeva

MIKAYLA MURPHY

Perceptions of COVID-19 in college students: Effect on emotional well-being

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Joanne Chopak-Foss

SYLVIA OFORI

Differences in prostate cancer outcomes by insurance status of African American Males aged 65 years or younger in Georgia

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Isaac Chun-Hai Fung

SYLVIA OFORI

Public health interventions and time-varying reproduction number of COVID-19 in Ghana

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Isaac Chun-Hai Fung

CHIGOZIE ALEXANDRA OGWARA

Spatially refined time-varying reproduction numbers of COVID-19 by health district in Georgia, USA.

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Isaac Chun-Hai Fung

WILLIE RAJVONG

Use of Cancer Treatment Plans in Georgia: Results from 2012 and 2017 BRFSS

Jiann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Yelena Tarasenko

ROSHONDA WELCH

Non-Cohabiting Fathers and Their Role in Breastfeeding Outcomes

Giann-Ping Hsu College of Public Health (JPHCOPH) | Poster | Faculty Advisor: Dr. Joanne Chopak-Foss

KANCHANA GURUKANDAGE

Exploring the Relationship between Environmental Performance of Firms and Profitability: The Effect of Operational Productivity

Parker College of Business (PCOB) | Oral | Faculty Advisor: Dr. Gerard Burke

MATTHEW MAYLATH

K-8 Preservice Mathematics Teachers' Application of Geometric Sequence in the Context of Compound Interest

Parker College of Business (PCOB) | Poster | Faculty Advisor: Dr. Tuyin An

JOEL VARGHESE

A Student Perspective on Using Monte Carlo Simulation as a Tool to Predict Equity Target Prices: How Important are the Length of Input Periods and Sectors?

Parker College of Business (PCOB) | Oral | Faculty Advisor: Dr. Axel Grossmann

ANGELA ADAMS

Home Diabetes Self-Management Education and Support via Telehealth

Waters College of Health Professions (WCHP) | Poster | Faculty Advisor: Dr. Kari Mau

WILLIAM BEAN

The Effect of Motivational General-Mastery Imagery on Reaction Time Performance and Heart Rate

Waters College of Health Professions (WCHP) | Oral | Faculty Advisor: Dr. Brandonn Harris

BRETT CROSS

Ultra-short Heart Rate Variability is Associated with Arterial Stiffness in Young Healthy Men and Women

Waters College of Health Professions (WCHP) | Poster | Faculty Advisor: Dr. Gregory Grosicki

MERAL CULVER

Actigraphy-Derived Sleep Metrics are Related to Metabolic but Not Vascular Health Measures in Young Adults

Waters College of Health Professions (WCHP) | Poster | Faculty Advisor: Dr. Gregory Grosicki

SABRINA DUFFY

The Ultrasound Evaluation of Fetal Anencephaly

Waters College of Health Professions (WCHP) | Poster | Faculty Advisor: Dr. Yvonne Dillon

AUSTIN EUBANKS

Comparison of Mobilization Techniques Using the End Range of Motion Inc. (ERMI) Model vs. Human subjects for Treatment Sessions in First Year Doctor of Physical Therapy (DPT) Students

Waters College of Health Professions (WCHP) | Oral | Faculty Advisor: Dr. George Davies

MADDISON FLOWERS

Epidemiology of Concussive Injuries in Collegiate Recreational Athletes

Waters College of Health Professions (WCHP) | Oral | Faculty Advisor: Dr. Tamerah Hunt

KAITLYN JEONG

The Advancements of Ultrasound Technology to Aid in the Diagnosis of Amniotic Band Syndrome

Waters College of Health Professions (WCHP) | Oral | Faculty Advisor: Dr. Yvonne Dillon

HUNTER SCHOLLE

Handheld Dynamometry to Establish Total Arm Strength and Correlation to Selected Upper Extremity Functional Tests with Healthy Subjects

Waters College of Health Professions (WCHP) | Oral | Faculty Advisor: Dr. George J. Davies

SAMANTHA SIMMS

The Test-Retest Reliability of a Novel Single Leg Hop Test

Waters College of Health Professions (WCHP) | Oral | Faculty Advisor: Dr. George J Davies

CORBETTE SOLTYSIAK

Home Exercise Prescription for Children with Down Syndrome and Physical and Occupational Therapists' Perspective on Caregiver Compliance

Waters College of Health Professions (WCHP) | Oral | Faculty Advisor: Dr. Heather Lorden

TYLAR WALKER

College Athletes' Experiences with Suffering a Re-Injury: A Phenomenological Investigation

Waters College of Health Professions (WCHP) | Poster | Faculty Advisor: Dr. Megan Byrd

MARTHA WHITE

Hospice and Hurricanes: Providing Home Health Patients and Their Families Choices During Mandatory Evacuations

Waters College of Health Professions (WCHP) | Oral | Faculty Advisor: Dr. Sheri Carey

IMELDA ZAMORA-CASTANO

The Diagnostic Evaluation in Therapeutic Treatment of Carpal Tunnel Syndrome Utilizing Ultrasound

Waters College of Health Professions (WCHP) | Poster | Faculty Advisor: Ms. Myka Bussey- Campbell

2021 SYMPOSIUM COMMITTEE

**Dr. Asli Aslan,
Office of Research, Jiann-Ping Hsu College of Public Health**

**Ms. Ruth L. Baker,
Library**

**Ms. Carol Cox,
Office of Research**

**Dr. Francis Desiderio,
Honors College**

**Dr. Axel Grossman,
Parker College of Business**

**Ms. Eleanor Haynes,
Office of Research**

**Ms. Tramelle Daniel,
Undergraduate Student Assistant**

**Dr. Rami Haddad,
Paulson College of Engineering and Computing**

**Dr. Kymberly Harris,
College of Education**

**Dr. Heather Joesting,
College of Science and Mathematics**

**Dr. Trent Maurer,
College of Behavioral and Social Sciences**

**Dr. Padmini Shankar,
Waters College of Health Professionals**

**Dr. Hongjie Wang,
College of Arts and Humanities**

**Dr. Meca Williams-
Johnson, College of Education**

SPECIAL THANKS TO

**Special thanks to all faculty who contributed reviewing abstract submissions and presentations;
Library, Career Services and College of Graduate Studies for moderating live events;
Communications and Marketing and ITS for their technical support.**