



3 MINUTE RESEARCH PITCH

Mississippi State University

April 14, 2023

1:30 p.m. to 3:30 p.m.

WELCOME

1:30 p.m. to 1:35 p.m.

SESSION 1

1:35 p.m. to 2:10 p.m.

Addison Black, Civil Engineering, *How Does Being a Musician Affect Self-Perception?*

Clark Hensley, Computer Science, *ODBPlotter: An Open Source Data Processing and Visualization Tool for Wire Arc Directed Energy Deposition*

David Heson, Physics, *Developing a Python Pipeline to Process Keck Observatory Archive NIRC2 Data*

MacKenzie Paul, Psychology, *Issues Affecting Cross-referrals between Oktibbeha County Clergy and Mental Health Professionals*

Laura Alvarez Rios, Psychology, *Exploring the Link between Readiness for Change and Hoarding Symptoms in Rural-Dwelling Older Adults*

Juliet Buckholdt, Art, *Picket Fences: How Alphabets Influence Design And Identity*

Elisa Castañeda, Architecture, *Medellín and Its Social Urbanism Practices*

Caitlyn Fischtziur, Psychology, *Adversity and Resilience Training (ART) 2.0*

Jennifer Kemp, Biomedical Engineering, *Analyzing Brain Activity While Playing E-Sports*

BREAK

2:05 p.m. – 2:15 p.m.

SESSION 2

2:15 p.m. – 2:45 p.m.

Laura Grace King, Educational Psychology, *Examining Curriculum Requirements of Undergraduate Teacher Preparation Programs to Gauge Educator Knowledge of Trauma-Informed Education Frameworks*



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Wilson Martinez Diaz, Aerospace Engineering, *Modular Framework for Finite Element Analysis of Lattice Structures and Application to Post-Lumbar Interbody Fusion Cage Design*

Madeline McKnight, Animal and Dairy Science, *Antibiotics in College Kids & Cows: It's Not as Effective as You Think*

Josie Nasekos, Environmental Economics and Management, *Food Insecurity: Paying the Price During the COVID-19 Pandemic*

Evelyn Ramirez, Architecture, *Latin America's Ever Growing Housing Crisis*

Thomas Rovey, Wildlife, Fisheries and Aquaculture, *Survival and Recruitment of an Adaptive Songbird in an Urbanized Landscape*

JaKara A. Singleton, English, *World Building: Exploring the Didactic Relationship Between Reality and Video Games*

BREAK

2:45 p.m. – 2:55 p.m.

SESSION 3

2:55 p.m. – 3:20 p.m.

Cameron Fowler, Industrial Engineering, *Understanding body composition metrics in NCAA Division 1 athletes*

Gabriela Gomez, Aerospace Engineering, *Computational Modeling of High-Temperature Moving-bed Oxidation Reactor for Thermochemical Energy Storage*

Caroline Haley, Biomedical Engineering, *Monitoring Brain Activity During Table Tennis*

Sally Hatten, Kinesiology, *Characterizing neuromuscular effort in primary ankle stabilizers in soccer players when performing a dynamic balance test*

Leon Koehler, Mechanical Engineering, *Hyperspectral Classification of Invasive Species by using Uncrewed Aerial Systems*

Rachel Adair, Business Economics, *Using Diffusion of Innovation Theory Attributes to Predict Intention to Click, Make, and Share HappyHealthy Recipes on Facebook*

CLOSING REMARKS AND PEOPLE'S CHOICE VOTING

3:20 p.m. – 3:30 p.m.



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