

2017 URCA Conference Winners

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College of Arts and Sciences-Fine Arts and Humanities

Poster Presentation Winners

First Place:

Emma Smith, A&S - New College

Faculty Mentor: Barbara Brickman, A&S - New College

Access Roads: Urbanization in the 21st Century

Second Place:

Katie Lightfoot, A&S - Modern Languages and Classics

Faculty Mentor: Regina Range, A&S - Modern Languages and Classics

Ideological Instrumentalization in Children's Literature in the post-World War German Democratic Republic (GDR)

Third Place:

Nadia DelMedico, A&S - Art and Art History

Faculty Mentor: Rachel Stephens, A&S - Art and Art History

Too Close to Home: The History of Slavery on the University of Alabama Campus

Fourth Place:

Grace Kurosaka, A&S - Theatre and Dance

Faculty Mentors: Lawrence Jackson and Rebecca Salzer, A&S - Theatre and Dance

Other Mentor: Aharon Thomas, A&S - Theatre and Dance

A Study of Composition

Honorable Mention:

Sommer Hallquist, A&S - Art and Art History

Faculty Mentor: Jennifer Feltman, A&S - Art and Art History

Images of Antichrist within Bible moralisée Codex Vindobonensis 2554, Vienna, Österreichischen Nationalbibliothek

Honorable Mention:

Christina Lu, HES - Human Development and Family Studies

Faculty Mentor: Deborah Casper, HES - Human Development and Family Studies

Exploring the Associations between Friendship Investment and Mistreatment

College of Arts and Sciences-Fine Arts and Humanities

Oral Presentation Winners

First Place:

Hilary Jones, A&S - History

Faculty Mentor: John Giggie, A&S - History

Unwelcome in God's House: White Evangelical Churches and the Limits of Racial Integration in Jackson, MS

Second Place:

Kalen Breland, A&S - English

Faculty Mentor: Catherine Roach, A&S - New College

Chasing Truth, Even When It's Ugly

Third Place:

Victoria Niblett, A&S - Theatre and Dance

Faculty Mentor: Lawrence Jackson, A&S - Theatre and Dance

Choreography and Copyright Law in the United States

Fourth Place:

Alexia Acebo, A&S - Theatre and Dance

Faculty Mentors: Sarah Barry and Rebecca Salzer, A&S - Theatre and Dance

The Idiosyncrasies of Stage versus Film

Honorable Mention:

Nathaniel Trost and Tristan Kilgore, A&S - Music

Faculty Mentor: Fred Whiting, A&S - English

Blount Instruments: Group Improvisation and Music of the Moment

College of Arts and Sciences-Natural Sciences and Mathematics

Poster Presentation Winners

First Place:

Melissa Uehling, A&S - Biological Sciences

Faculty Mentors: Kim Caldwell and Guy Caldwell, A&S - Biological Sciences

One-carbon metabolism gene GCST-1 modulates amyloid-beta toxicity in Alzheimer's disease model

Second Place:

James Parkes, A&S - Physics and Astronomy

Faculty Mentor: Dawn Williams, A&S - Physics and Astronomy

Double Pulse Plus: A Search for Tau Neutrinos in IceCube

Third Place:

Matthew Cooper, A&S - Mathematics

Faculty Mentor: Michael Steinberg, A&S - New College

Analyzing the Effect of Climate Change on Snow Leopard Habitat

Fourth Place:

Ilham Ali, Engineering - Civil, Construction and Environmental Engineering

Faculty Mentor: Sagy Cohen, A&S - Geography

Hydraulic & Hydrological Simulations to Inform Flood Susceptibility in Coastal Mississippi

Honorable Mention:

Caitlin Curtis, A&S - Biological Sciences

Faculty Mentor: Ryan Earley, A&S - Biological Sciences

Other Mentor: Cheng-Yu Li, A&S - Biological Sciences

Non-reversing mirror test: a new method for quantifying aggression and predicting contest behavior.

Honorable Mention:

Samantha Dyroff, A&S - Chemistry

Faculty Mentor: John Vincent, A&S - Chemistry

The Effects of the Glycation of Transferrin on Chromium Binding and the Transport and Distribution of Chromium In Vivo

Honorable Mention:

Emily Pabst, A&S - Biological Sciences

Faculty Mentor: Kevin Kocot, A&S - Biological Sciences

Inferring the evolutionary history of sea slugs (Mollusca, Gastropoda, Heterobranchia) using genomic and bioinformatic tools

College of Arts and Sciences-Natural Sciences and Mathematics

Oral Presentation Winners

First Place:

Samuel Stanley, A&S - Biological Sciences

Faculty Mentors: Kim Caldwell and Guy Caldwell, A&S - Biological Sciences

Investigation of dopamine neuron degeneration as a consequence of microbiome-derived bacterial metabolites

Second Place:

Alison Farrar, A&S - Physics and Astronomy

Faculty Mentors: Claudia Mewes and Tim Mewes, MINT - Center for Materials for Information Technology

Anisotropic Damping in Exchange Bias Systems

Third Place:

Zain Aryanpour, A&S - Biological Sciences

Faculty Mentor: Stevan Marcus, A&S - Biological Sciences

Other Mentor: Elan Strange, A&S - Biological Sciences

Investigating the role of phosphatidylethanolamine and calcium signaling in the cytoprotective responses to the anticancer triterpenoid avicin G in the fission yeast, Schizosaccharomyces pombe

Fourth Place:

Michael Outlaw, Engineering - Electrical and Computer Engineering

Faculty Mentor: David Dixon, A&S - Chemistry

Computational Studies of the Hydrolysis of (RuO₂)_n (n= 1 - 4) Nanoclusters

Honorable Mention:

Braxton Greer, A&S - Biological Sciences

Faculty Mentor: Stevan Marcus, A&S - Biological Sciences

College of Arts and Sciences-Social Sciences

Poster Presentation Winners

First Place:

Alia Aglan, A&S - Psychology

Faculty Mentor: Joan Barth, ISSR - Institute for Social Science Research

The Effects of the Greek Socialization Process on Members' Values of Gender, Philanthropy, and Future Career Goals

Second Place:

Caroline Harvey, Laura Green, Christina Brewer, Madison Gillette, Caroline Pulliam, A&S - Communicative Disorders

Faculty Mentor: Memorie Gosa, A&S - Communicative Disorders

Effect of Commercially Available Thickening Agents on Ready to Feed Infant Formulas

Third Place:

Amanda Nelson, Christine Roesch, Megan Bigham, Kenneth Westerfield, Ji Yeon Hong, Brent Collier, A&S – Psychology and Nicole Gardner, A&S-Biological Sciences

Faculty Mentor: Beverly Roskos, A&S - Psychology

Other Mentor: En Fu, A&S - Psychology

The Layout of Grass and a Trip to Starbucks can Influence Which Way you Walk to Class

Fourth Place:

Ryan Ingram and Megan Michael, A&S - Psychology

Faculty Mentor: Tricia Witte, HES - Human Development and Family Studies

Correlations Between Trauma, Drinking, and Disordered Eating in a College Sample

Honorable Mention:

Samuel Ostrow, A&S - Political Science

Faculty Mentor: Stephen Borrelli, A&S - Political Science

Open Seats to the US House: Are they Still Where the Action Is?

Honorable Mention:

Quincy Bloem, A&S - Biological Sciences, Alyssa Roach and Darius Antalan

Faculty Mentor: Ariane Prohaska, A&S - Criminal Justice

Body image and self-esteem amongst pageant participants and non-participants at The University of Alabama

Honorable Mention:

Keaton Drees, A&S – Psychology, Liddy Di Valerio, and Ibukun Afon, Capstone College of Nursing

Faculty Mentor: Safiya George, Capstone College of Nursing

Telemedicine and Group Therapy: Developing New Strategies to Combat HIV/AIDS in West Alabama

Honorable Mention:

Madeline Niedfeldt, A&S - Psychology

Faculty Mentor: Craig Cummings, A&S - Psychology

Anxiety Factors in Greek Vs. Non-Greek Life

Honorable Mention:

Lauren Nordberg and Jordana Baraad, A&S - Psychology

Faculty Mentor: Matthew Jarrett, A&S - Psychology

Other Mentor: Dane Hilton, A&S - Psychology

Mindfulness Meditation for College Student with ADHD: Effects on Core ADHD Symptomatology and Sluggish Cognitive Tempo Symptoms

Honorable Mention:

Meghan Flanigan, A&S - Psychology

Faculty Mentors: Kristina McDonald and Edward Merrill, A&S - Psychology

Heterogeneity in the Characteristics and Values of Peer-Identified Leaders

Honorable Mention:

Katie Jack, A&S - Geography

Faculty Mentor: David Meek, A&S - Anthropology

Ecotourism: A Case Study of The University of Alabama's Arboretum

Honorable Mention:

Sai Pranav Dwarampudi, A&S - Psychology

Faculty Mentor: Kristina McDonald, A&S - Psychology

Other Mentor: Stephen Ungvary, A&S - Psychology

The correlation between psychopathic personality traits and physiological processes in adolescents

Honorable Mention:

McKenna McCracken, A&S - Psychology

Faculty Mentor: Joan Barth, A&S - Psychology

Gender Differences in Gaming Attitudes, Motivations, and Experiences

College of Arts and Sciences-Social Sciences

Oral Presentation Winners

First Place:

Michelle Weyhaupt, A&S - Criminal Justice

Faculty Mentor: Bronwen Lichtenstein, A&S - Criminal Justice

Stigma, Silence, and Self-Reliance: The Role of American Culture in Antiretroviral Non-adherence Among People Living With HIV

Second Place:

Sierra Lawson, A&S - Religious Studies

Faculty Mentor: Merinda K. Simmons and Russell McCutcheon, A&S - Religious Studies

The Old South as a Myth at the University of Alabama

Third Place:

Madeleine Lewis, A&S - Religious Studies

Faculty Mentor: Eleanor Finnegan, A&S - Religious Studies

Gendering the State: Rhetoric, Spirituality, and Objectivity in the National Park System

Fourth Place:

Christine Allen, A&S - Political Science

Faculty Mentor: Sylvester Senyo Ofori-Parku, C&IS - Advertising and Public Relations

Climate Change Communication and Risk Perception

Honorable Mention:

Virginia Jones, A&S - New College

Faculty Mentor: Julia Cherry, A&S - New College

Adversarial Allegiance in Forensic Evaluators

Honorable Mention:

Alexis (Lexie) Kentros, HES - Health Science

Faculty Mentor: Lea Yerby, Community Health Sciences

Sexual Assault at the University of Alabama

Capstone College of Nursing

Completed Work Winner:

Mallory Reynolds, Capstone College of Nursing

Faculty Mentors: Paige Johnson and Michele Montgomery, Capstone College of Nursing

Evidence-Based Health Interventions to Address Madison County's Health Needs

Work in Progress Winner:

Amy Tedford, Capstone College of Nursing

Faculty Mentor: Rebecca Owings, Capstone College of Nursing

Contact Isolation Guideline Adherence

College of Communication and Information Sciences

Poster Presentation Winners:

First Place:

Elizabeth Payne, Engineering - Computer Science

Faculty Mentor: Kimberly Bissell, C&IS - Journalism

Understanding People's Opinions and Habits When Viewing the Weather

Second Place (Tie):

Bryant Bowlin, C&IS - Communication Studies

Faculty Mentor: Yiyi Yang, C&IS - Communication Studies

Generation Z and the Christian Church: Using social media to connect a disconnected generation

Second Place (Tie):

Xuan Wang, C&IS - Advertising and Public Relations and Chase Bodiford, C&IS - Telecommunication and Film

Faculty Mentor: Yiyi Yang, C&IS - Communication Studies

Through one eye and out the next: The influence of Chinese news coverage on Chinese students' views toward the United States

Third Place:

Sam Sheriff, C&IS - Journalism & Creative Media

Faculty Mentor: Paul Wright, Student Affairs

Efforts in Branding through Visual Media and Scarcity

Oral Presentation Winners:

First Place:

Caroline Prichard, C&IS - Communication Studies

Faculty Mentor: Mary Meares, C&IS - Communication Studies

The Impact of Cultural Values on US/ Serbian Communication

Second Place:

Amanda Flamerich, C&IS - Advertising and Public Relations

Faculty Mentor: Lance Kinney, C&IS - Advertising and Public Relations

Transgressions and Race of Female Athletes

Third Place:

Amy Lekai, Dalton Kerby, and Madeline Abrams, Hudson Nuckolls, C&IS - Advertising and Public Relations

Faculty Mentor: Teri Henley, C&IS - Advertising and Public Relations

Alabama Power: The Effectiveness of Charging Stations Implemented on Campus

College of Education

Poster Presentation Winners:

First Place:

Natasha Burrell, A&S - Biological Sciences

Faculty Mentors: Michael Fedewa, Education-Kinesiology

Other Mentor: Clifton Holmes, Education-Kinesiology

Changes in Heart Rate Variability Following Concussion-A Case Study

Second Place:

Rachel Remmes, Education-Educational Studies in Psychology, Research Methodology and Counseling

Faculty Mentor: Firat Soylu, Education-Educational Studies in Psychology, Research Methodology and Counseling

Neural Markers for Task-Related Categorization and Face Processing: An Event-Related Potential Study

Third Place:

Michael McMahon, C&BA - Management and Marketing and Megan Delfeld, A&S - Biological Sciences

Faculty Mentor: Jonathan Wingo, Education - Kinesiology

Effect of Exercise Mode on Cardiovascular Drift and Maximal Oxygen Uptake During Heat Stress

Oral Presentation Winner:

First Place:

Andrea Bright, Education - Educational Studies Minor

Faculty Mentors: Elizabeth Wilson, Education - Curriculum and Instruction and Stacy Hughey-Surman, Education - Educational Studies in Psychology, Research Methodology and Counseling

Meta Analysis of the Fresh Fruit and Vegetable Program

Research Support Grant Winners:

Hans Knutson, Engineering - Computer Science

Faculty Mentors: André Denham, Education - Educational Leadership, Policy and Technology Studies

Nyingi: Measuring the Impact of an Educational Game on Learning and Engagement

Jakeias McGee, C&BA - Information Systems, Statistics and Management Science

Faculty Mentor: Suzanne Henson, Community Health Sciences

Web-Based Diabetes Self-Management Education Modules

Amy Reidy, Education – Kinesiology and John Hill, Engineering - Chemical and Biological Engineering

Faculty Mentor: Michael Esco, Education - Kinesiology

Consistency of Skulpt Chisel comparative to DXA scanner

College of Engineering

Poster Presentation Winners:

First Place:

William Alexander, Engineering - Computer Science

Faculty Mentors: Xiaoyan Hong, Engineering - Computer Science and Alex Hainen, Engineering - Civil, Construction and Environmental Engineering

V2I Communication-Enabled Real-Time Intersection Traffic Signal Scheduling

Second Place:

Cassidy Elliott, Engineering - Mechanical Engineering

Faculty Mentors: Amy Lang and Redha Wahidi, Engineering - Aerospace Engineering and Mechanics

Roughness Effects on the Formation of a Leading Edge Vortex

Third Place:

Bailey Creighton, A&S-Biological Sciences

Faculty Mentors: Yonghyun (John) Kim and Shreyas Rao, Engineering - Chemical and Biological Engineering

Other Mentors: Seungjo (Joe) Park, and Ursula Triantafillu, Engineering - Chemical and Biological Engineering

The Impact of Vitronectin on Cancer Stem Cells in Glioblastoma Multiforme

Culverhouse College of Commerce

First Place:

Dielang Li, C&BA - Economics, Finance and Legal Studies

Faculty Mentor: Paan Jindapon, C&BA - Economics, Finance and Legal Studies

Relation between Openness and Prize-Linked Savings

Second Place:

Evan Eichstaedt, Engineering - Electrical and Computer Engineering

Faculty Mentor: Shawn Mobbs, C&BA - Economics, Finance and Legal Studies

Shareholder Reaction to Director Reputation Incentives

Third Place:

Lauren Deutsch, C&BA - Information Systems, Statistics and Management Science

Faculty Mentors: Nathan Chilcutt, C&BA - Information Systems, Statistics and Management Science and Lisa McKinney, C&BA - Culverhouse School of Accountancy

A Choice-Based Conjoint Analysis of a Potential Haitian Entrepreneurship Venture

School of Social Work

Poster Presentation Winners:

First Place:

Matthew Amick, School of Social Work

Faculty Mentors: Tricia Witte, HES - Human Development and Family Studies

Addiction Recovery Identity Development

Second Place:

Claire Carpenter, Mary Kate Johnson, Catie Manual, Caroline Prichard

Faculty Mentor: Kevin Corcoran, School of Social Work

Saving state budgets: A cost-benefit analysis of legalizing marijuana

Human Environmental Sciences

Poster Presentation Winners:

First Place:

Anna Bragg, HES - Human Nutrition and Hospitality Management

Faculty Mentors: Kristi Crowe-White and Amy Ellis, HES - Human Nutrition and Hospitality Management

Acute Effects of 100% Watermelon Juice on Serum Antioxidant Capacity

Second Place:

Margo Wieschhaus, Abigail Davis, Rebecca de la O, Madeline DeVico, HES - Human Nutrition and Hospitality Management and Jillian Willard, C&IS - Telecommunication and Film

Faculty Mentor: Linda Knol, HES - Human Nutrition and Hospitality Management

Other Mentor: Alexis Willman, HES - Human Nutrition and Hospitality Management

Mindful Eating and Fast Food Intake among College Students

Third Place:

Rachael Robbins and Emily Williamson, HES - Human Development and Family Studies

Faculty Mentor: Maria Hernandez-Reif, HES – Human Development and Family Studies

Other Mentor: Hunter Sartain, HES – Human Development and Family Studies

Mindful Eating and Fast Food Intake among College Students

Fourth Place:

Emily Waite, HES - Clothing, Textiles and Interior Design

Faculty Mentor: Kristin Maki, HES - Clothing, Textiles and Interior Design

Jemison van de Graaff Mansion: Period Design and Parlor Furnishing Exhibition

Fifth Place:

Katelyn Senkus and Jala Lockhart, HES - Human Nutrition and Hospitality Management

Faculty Mentors: Amy Ellis and Kristi Crowe-White, HES - Human Nutrition and Hospitality Management

Mindful Eating and Fast Food Intake among College Students

Sixth Place:

Alejandra Betancourt, HES - Human Development and Family Studies

Faculty Mentor: Casey Totenhagen, HES - Human Development and Family Studies

Gender Differences in Daily Sacrifices Among Heterosexual Couples

Honorable Mention:

Madison Quattlebaum, HES - Clothing, Textiles and Interior Design

Faculty Mentor: Paula Robinson, HES - Clothing, Textiles and Interior Design

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