2017 URCA Conference Winners

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College of Arts and Sciences-Fine Arts and Humanities

College of Arts and Sciences-Natural Sciences and Mathematics

College of Arts and Sciences-Social Sciences

Capstone College of Nursing

College of Communication and Information Sciences

College of Education

College of Engineering

Culverhouse College of Commerce

School of Social Work

Human Environmental Sciences
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
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*
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
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_
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*
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
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
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
Filtered