

Monday, April 9, 2018

Oral Session 1

Monday, 11:15 a.m.
to 12:05 p.m.

Athena Breakout Rooms

Room A	Connor Trotter	Computation as Creative Interface: The Hidden Artistic Potential of Code
	Emma McMorran	Duchamp and the Consequences of the Readymade on the Art World
	Zachary Pareizs	The Intersection of Queerness and Mental Health on the Stage
Room B	Frannie Martin	Spore-Trapping Combined with Real-Time PCR to Monitor Spore Dissemination of the Plant-Pathogenic Fungus <i>Exobasidium maculosum</i> in Blueberry
	Aditya Krishnaswamy	Outbreak Spreading: Using Gradient Boosting Machines to Predict the Chance an Incipient Outbreak Will Spread
	Joshua Thedford	Monitoring for Rapid Shifts in Carbon Mineralization and Iron Availability during Soil Oxygen Changes
Room C	Rebecca Gemes	Play More, Worry Less
	Darien Aunapu	Effects of Instructor Gestures on Learning from a Video Lesson
	Bec Davis	Transcending Boundaries
Room D	Haley Audrey White	Addressing Supply Chain Logistics and Resilience Challenges for the Sustainable Commercialization of Carinata Jet Biofuel and Bioproducts
	Martinique Lefevre Edwards	High-Resolution Space-Time Dynamics of <i>Escherichia coli</i> in an Urban Stream System
	Tyler Cannida	Petrography of the Gneisses from the Mary Lou Quarry in Clinton, SC: Implications for Quantifying Mineral Compositions in the Critical Zone
Room G	Anna Turlej, Nousheen Khetani	Neuroanatomical Changes Observed in Nodose Ganglia and Hindbrain 24 Hours after Vagotomy Surgery in Rats
	Ruth Pentlarge Barrow	Characterization of Bone Collagen Fibers in a Hypophosphatasia (HPP) Murine Model using Linearly Polarized Light
	Estie Toth	Dual Oxidase (DUOX) Expression in a Murine Lung Infection Model of Influenza Virus A

Room H	Simran Modi	Optimizing Success Strategies for Entrepreneurship Incubators
	Monte Fischer	Investigating Additive Combinatorics through Freiman's Theorem and Plünnecke's Inequality
	Ashe Viswanathan	Is China's Economy Headed for a Crash?
Room I	Kaito Nagashima	Elucidation of the Critical Residues of the Mumps F and HN Proteins in Cell-Cell and Virus-Cell Fusion
	Trisha Dalapati	Effects of <i>Plasmodium falciparum</i> on Placental Expression of Inflammatory and Coagulation Factors
	Essilvo Sulejmani	Analysis of Oncogenic Properties and Peptide Inhibitors of NMT1
Room J	Logan Ballard	Developmental Changes in Extracellular Vesicles from African Trypanosomes
	Brendan Harris	Flexibility in Gorilla Communication: The Repertoire and Vocal Behavior of Captive Western Lowland Gorillas
	Shannon Leigh Freeland	Incidence and Treatment of Pain in Canine Oncology Patients

Oral Session 2

Monday, 12:20 to 1:10 p.m.

Athena Breakout Rooms

Room A	Elise McDonald	Promoting Outdoor Recreation to Combat Childhood Obesity
	Jessica Ma	Crisis Pregnancy Centers: Establishing Accuracy and Transparency in Georgia's Family Planning Services
	Rachel McCardel	Assessing Workplace Support for Exclusive and Continued Breastfeeding among Working Mothers
Room B	Aditya Krishnaswamy	Reducing Insurance Illiteracy: Teaching Health Insurance in Georgia Health Classes
	Elina Acosta	A Policy Analysis of Georgia's Anti-Human Trafficking Laws
	Nidhi Aggarwal	Expanding Rural Care: Provisions to Increase Independent Rural Freestanding Emergency Departments
Room C	Sarah Jane Dillon	Pogo to Social Change: Activism and Violence in Bali
	Chelsea Batchelder	Diet and Culture at the Greek Colony Himera

Room C	Prabhjot Minhas	Acculturation and Refugee Health: A Scholarship Review
Room D	Elizabeth Griffin	The Convention Spotlight Theory: Women at National Conventions
	Lauren Jayne Lauterbach	Intersectionality and Context in Human Development across the Lifespan: A Thematic Analysis of Published Works in Social Science
	Madison Conkel	If It Was Important I Would Have Learned It in "Intro to International Relations"
Room G	Adam Smith Jackson	Installation and Testing of an Electronically Controlled Actuator for Slow Compression of Combustion Gases
	Niklas Endler	UGA's Leap to Space: Small Satellite Research Lab Testing
	Samuel Paul Douglass Jr.	Supplemental Thermal Energy Storage Tank for UGA's Central Campus Chilled Water Loop
Room H	Alexandra McCluskey	Sustainable Nanocellulose Gel Dyeing of Polyester Fabric
	Mary Kate Donahue, Lauren Klas	Subcultural Merchandising Patterns and Experiences: Background and Methods (Part 1)
	Ariana Gibson-Rivera, Jose Pena	Subculture Merchandising Experiences: Data Analysis and Results (Part 2)
Room I	Kevin Charles Williams III	The Effects of Galanin in the Mesolimbic System
	Maria Granros	Cortical Volume Mediates the Relationship Between Neuroticism and Executive Function
	James Conners	Location of the Point of Contact Influences a Person's Perception of a Rod's Length
Room J	Audrey-Ann Jeanne Lafontaine	Novel Adjuvants Potentiate the Antimicrobial Activity of Polymyxin B in Two Gram-Negative Bacteria, <i>Escherichia coli</i> and <i>Acinetobacter baumannii</i>
	Maggie Clark	Climate and Collapse: An Observational Look at Climate Change's Impact on Human Experiences
	Mira Bookman	Food Waste for Thought
	Isabel Ott	Evolutionary Analysis of West Nile Virus in Georgia, 2017

Oral Session 3

Monday, 1:25 to 2:15 p.m.

Athena Breakout Rooms

Room A	Jillian Schmidt	The Application of the Odious Debt Doctrine to the Debts of the Maduro Regime in Venezuela
	Rara Reines	The Wellbeing Economy and Cooperative Market Economics: Backcasting a Future from Within and Beyond Neoliberalism
	Jennifer Ashtyn Hardister	Fund Balances in Georgia's Cities
Room B	Nivita Sharma	Examining the Effects of a Diabetes Foot Care Intervention Program in Fiji
	Harrison Jones	A Mendelian Randomization Study on Depression and Alzheimer's Disease
	Andre Gabriel Jove	Arboviral Outbreak Prediction Following Hurricanes Irma and Maria in Puerto Rico
Room C	Samuel Driggers	The Framing of Two Sovereigntist Movements
	Hannah Mahoney	Putting America First: Renegotiating NAFTA and Trade Implications
	Matthew Fasig	Exploring the Association Between Candidate Quality and Electoral Performance in Congressional Primaries
Room D	Patrick Thomas Seethaler	Protein Expression of <i>bclA</i> Gene in <i>Bacillus cereus</i>
	Caroline Langley	Impact of ISG15 Species-Species Variation on ISG15 Structure and Viral-Host Interactions
	Nikhil Reddy Gangasani	A New Approach to Improved Treatment of Type 3 <i>Streptococcus pneumoniae</i> : A Purification Exploration
Room G	Sunishka Thakur	Examining the Context Dependency of Genetic Clines in <i>Boechera stricta</i>
	Matthew Martinez	Evaluation of Proteins Secreted by <i>Toxoplasma gondii</i>
	Chiso Ikechukwu Ahanotu	Characterization of Ribonuclease E Substrate Specificity in Proline tRNA Maturation <i>Escherichia coli</i>
Room H	Austin Hattori	The Rhetoric of Ariadne and the Catullan Ego
	Anna Goebel	Motherhood in Bertolt Brecht's <i>The Caucasian Chalk Circle</i>
	Trevor Talmadge	The Spanish Dialect of Roswell, Georgia

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Room I	Bailey Palmer	When Famine is an Opportunity: Examining the Effects of Drought on al Shabaab Attack Patterns in East Africa
	Johanna Rodriguez Mercurio	Cambodian Refugees and Agency through the Resettlement Process
	Emma Katherine Protis	No Longer Used: Designing Non-Exploitative Communication Methods to Represent Survivors of Human Trafficking

Oral Session 4

Monday, 2:30 to 3:20 p.m.

Athena Breakout Rooms

Room A	Shannon Duffy	Reese-Hancock Housing Research Collaboration: Documenting Displacement in the Reese-Hancock Corridor
	Rachael Folakemi Akinola	Alleviating Food Insecurity in Athens-Clarke County through Public Transportation
	Karan Ajit Pol, Aditya Krishnaswamy, Anita Qualls	Mental Health Training in the Georgia Police Force
Room B	Nico Marin	Potential Competitors to the Dollar Based System
	Zack Flagel	An Evaluation of Major League Baseball's Amateur Player Acquisition Systems
	Andrew Teal, Sebastian Puerta	The Future of Investor-State Dispute Settlement
Room C	Nikita A Vantsev	Adapting a CRISPR-Cas System into a Novel Gene Knockdown Platform
	Stephan N George	Biochemical Characterization of Missense Mutations in O-GlcNAc Transferase Found in Patients with X-Linked Intellectual Disability
	Joshua Fricker	Testing the Effects of PAD4 Inhibitors on Neutrophil Effector Functions
Room D	Alyson Wright	The Long-Term Effects of Corticosterone Exposure on Sex Ratios in Laying Hens
	Ana Lorton	Emergent Pathogens Associated with Canine Infectious Respiratory Diseases in the United States
	Christian R Laurent	Prenatal Exposure to EDCs Followed by High Fat Diet Challenge in Adulthood Effects Organ Weights in Rats

Room G	Kate Huller	Burqas, Bangles, and Beautiful Women: Gender Implications of the Disnification of Religion in Film
	Christian Michael Sullivan	Maronite Christian and Muslim Interactions during the Lebanese Civil War, 1972-2000
	Jacob Sparks	Inter-Religious Dialogue Between Orthodox Christians, Early Muslims, and Early Protestants
Room H	John Mark Adent	What is the Function of the Protein EutJ in Ethanolamine Catabolism in <i>Salmonella enterica</i> ?
	Caroline Glessner	Bringing the Laboratory to the High-Enrollment Undergraduate Organic Chemistry Classroom: Reaction Monitoring Remotely Using Benchtop NMR Technology
	Lauren Christine Widman	Comparison of Iodide and Thiocyanate Substrates in the Lactoperoxidase-Halide Antimicrobial System
Room I	Christina Cortes	Chemistry in the Arts: An Interdisciplinary Look at Student-Synthesized Azo Dyes
	Joshua Samuel Siar	Evaluating the Effects of Neonicotinoid Pesticides on Male Reproduction by Using a Novel <i>in vitro</i> Stem Cell-Based Model of Human Spermatogenesis
	Nettie Brown	Biomaterials for Medical Applications
Room J	Connor Lawhead	The Visual Steady State Response: Using Electroencephalography to Detect Biomarkers for Schizophrenia
	Roma Parikh	Diplomacy: A Woman's Game
	Kavi Pandian	A Confluence of Science, Philosophy, and Religion: Perspectives on Wellbeing, Happiness, Fulfillment, and Altruism

Awards and Keynote Session

Monday, 3:30-4:30 p.m.

Athena Room E

Welcome and Introductions

David S. Williams,

Associate Provost and Director of Honors and CURO

Remarks

Jere W. Morehead,

UGA President

Introduction to Awards

Maria Navarro,

Associate Director of CURO and Honors

CURO Research Mentoring Awards

Pamela Whitten,

Senior Vice President for Academic Affairs and Provost

CURO Symposium Best Paper Awards

Rahul Shrivastav,

Vice President for Instruction

UGA Libraries' Research Awards

M. Kathleen Kern,

Director of Miller Learning Center Library Commons, UGA Libraries

Introduction of Keynote Speaker

Kathryn Youngblood,

Class of 2019, College of Engineering,

School of Environmental, Civil, Agricultural, and Mechanical Engineering

Keynote Address

Jenna Jambeck,

Associate Professor, School of Environmental, Civil, Agricultural, and Mechanical Engineering

"Plastic Waste Inputs into the Ocean: Can We Come Together to Solve this Global Problem?"

Closing Comments

David S. Williams

Poster 1	Kristen Nicole Gragg	Hidden Histories: The Stories that Don't Get Told
Poster 2	Abraham Johnson	The Intergenerational Queer Spirit: Grindr, God, and Where We Came From
Poster 3	Christina Lee	Interactive Show Design and Production
Poster 4	Bethany Nelson	The Effect of Gaga Training on Penché Dance Movement Kinematics, Performance Quality, and Imagery Use in University-Level Dance Students
Poster 5	Devin Blake Worthy	The Relationship Between Creativity and the Music Emotional Effect on Creativity Based Courses
Poster 6	Riley Shivitz	Internet and Social Media Impact on the Creative Process
Poster 7	Delaney Erin Givens	The Healing Influences of Built Environments: A Case Study of Healthcare
Poster 8	Anja Benson	Sensory Sensitivity Garments for Children
Poster 9	Lauren O'Neil	The Impact of FTC Review Threshold on Blocked Mergers and Markets: A Case Study
Poster 10	Jonathan Eric Hendrix	The Effect of IPOs on University Outcomes
Poster 11	Jimmy Lin	Understanding Students' Subjective Understanding with Q-Perspectives®
Poster 12	Sofiya Payne	Reducing Recidivism Through Reintegration and Reformation Programs
Poster 13	Aly Shakoor	Nursing Home or Staying Home: The Impact of Medicaid Home and Community-Based Services (HCBS) Waivers on Long-Term Care Choices
Poster 14	Abhy Kheepal	Path Dependence in Organizational Impression Management
Poster 15	Ajit Morar	Protesting Corruption on Twitter: A Topic Modeling Approach to How Bots and Cyborgs Create Awareness
Poster 16	Conner J Nations	Addressing the Growing Need for Algorithmic Transparency
Poster 17	Maria Lenore Matthews	Consumer Cognitive Biases on Oddness and Roundness of Numbers in Instances of Random Selection
Poster 18	Shuchi Goyal	Finite Mixture of Normal Distributions for Robust Bayesian Small Area Estimation
Poster 19	Rachel Ann Zilinskas	Natural Indigo-Nanocellulose Based Dyeing for Cotton Fabrics
Poster 20	Halle Brooke Hammond	Wisdom, Justice, and Moderation: The Equal Protection Clause in the State of Georgia
Poster 21	Thomas Felton Deen	Terrorism Financing and the International Drug Trade
Poster 22	Christian Barrett Pedraza	Geographic Analysis of International Border Settlement in Latin America

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Poster 23	Sunny Han	National Crisis in Korea: What is the Relationship between Media and Polarization?
Poster 24	Heng Zang	State Capacity and Contagion of Ethnic Conflict: Case Study of UK and China
Poster 25	Lyndsey Camille Jackson	The Effects of Corporate Social Responsibility on Purchase Habits of College Consumers
Poster 26	Jillian Faith Jones	The Impact of Beauty Vloggers on the Purchasing Decisions of Millennial and Generation Z Female Consumers
Poster 27	Lacey O'Brien	Shop 'til You Drop: A Closer Look at Millennial Shopping Habits Online vs. In-Store
Poster 28	Emily Starling	Let's Make it a Popularity Contest: University Health Centers or Outside Health Services
Poster 29	Caroline Knox Tompkins	A Major Decision: The Decision-Making Process of Choosing an Undergraduate Major
Poster 30	Olivia Tompkins	We Can't Get No Satisfaction from Instagram... Or Can We?
Poster 31	Hannah Weeg	A Study of the Consequences of Social Media on the Mental Health of College-Aged Millennials
Poster 32	Shawn Christian Foster	Conditioned Vowel Mergers in the American South
Poster 33	Katie Henley	Modeling Geographic Variation in Pronunciation of United Kingdom English
Poster 34	Morgan Frederick Geiser	Violence Against Protestants in Sixteenth-Century France
Poster 35	Taylor Withrow	Identity Development in Multiracial Individuals: Living between the Racial Divide
Poster 36	Sabrina Chudnow	The Economic Impact of the "Tampon Tax" on Lower-Income Households
Poster 37	Ben Butler	The Relationship between Socioeconomic Status and Normative Asset Allocation
Poster 38	Sarin Khurana	An Analysis on the Correlation between Retirement Definitions and Preparation
Poster 39	Sydney R Erickson	Examining Disparities in Accessing Services Among Populations Eligible for Early Childhood Special Education from a National Longitudinal Database
Poster 40	Mitra Kumareswaran	Evaluating Parent Perception of Circumscribed Interests Objects for Children with Autism Spectrum Disorder
Poster 41	Olivia Demario, Manya Kothapalli, Darien Aunapu	Exploring Strategies for Enhancing Learning by Teaching
Poster 42	Johanna Hoover, Pavan Sastry, Heather Digregorio	Exploring the Effects of Different Video Lesson Formats on Learning in Biology

Poster 43	Lauryn Waters	The Effectiveness of “Instructional Conversation” Pedagogy in Education for Multilingual Students
Poster 44	Sarah Renee Knapp, Sydney Spoonamore, Julie Johns, Ashley Moore, Tracy Wong, Erin Reynolds	The Effect of Augmentative and Alternative Communication Strategies on the Use and Development of Vocalizations
Poster 45	Erin Reynolds, Julie Johns, Sarah Knapp, Sydney Spoonamore, Ashley Moore, Tracy Wong, Meagan Mwanda, Keri Barrientos, Cristina Chastain, Elizabeth Medlock, Alyssa Fischer, Emily Culpepper, Rachael Zimmerman	The Impact of Parent Engagement on Language Development in Young Children who are Deaf or Hard of Hearing
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Poster 47	Nicole Ashton Landry	Increasing Fruit and Vegetable Consumption through a Mobile School Food Pantry Partnership Model
Poster 48	Simon Chang	Exercise and Tart Cherry Effects on a High-Fat Meal
Poster 49	Brooke Datelle	The Effect of Caffeine and Carbohydrate Mouth Rinsing on Endurance Performance
Poster 50	Sohil Patel	Daily Self-Weighing and Holiday-Associated Weight Gain in Adults
Poster 51	Allison Werner Rautmann	Comparison of Postprandial Satiety Response After Consumption of Muffins with and without Walnuts
Poster 52	Laura Triana	Comparison of Blood Lipid Responses from Muffins with and without Pecans
Poster 53	Shriya Bhatnagar	Applications of <i>in silico</i> Mapping of Phenotypic Data for Cardiovascular Disease
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Poster 144	Jenna Lea	Novel Predictors for United States Geographic Distribution of Lyme Disease
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Poster 146	Madeline Siegel	Effects of Personality on Immune System Function in the Cotton Rat (<i>Sigmodon hispidus</i>)
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Poster 151	Neil Doshi	Magnetic Resonance Assessment in a Porcine Model of Ischemic Stroke Demonstrates Reduced Diffusivity and White Matter Damage
Poster 152	Lindsey Fenster	Evaluation of Warm-Season Annual Grasses for Southeastern Forage-Finished Beef Systems

Poster 153	Morgan L Goeden	Evaluating the Effect of Neural Stem Cell-Derived Exosomes on Neovascularization Following Traumatic Brain Injury
Poster 154	Zack Jones	Characterizing Stroke Via T2W Sequences and Associated Volumetric Measurements, Including Hemisphere, Ventricle, and Lesion Volumes
Poster 155	Haylea Marie Mannebach	Analyzing the Effects of Stress on Recovery after a TBI in Rat Model
Poster 156	Ana Maslesa	Collagen as a Method for Establishing Potential of Therapeutics Under Osteogenic Conditions
Poster 157	Zach Oberholtzer	Pro-Inflammatory Response to Combined Neural Stem Cell and Nanoparticle Treatment of Ischemic Stroke in an Adult Porcine Model
Poster 158	Shuchi Haresh Patel	Efficiency of Induced Pluripotent Stem Cell Derived Neural Stem Cells to Differentiate and the Effects of DiR-Labeling on Cell Viability and Cytotoxicity
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Poster 285	Xena Mansoura	A Multi-Outcome Experiment for the Preparation of Enamines in the Undergraduate Organic Chemistry Teaching Laboratories
Poster 286	Hannah Charlesean Schriever	Organocatalytic Synthesis of Bioactive Amines
Poster 287	Sommer Anjum	Mathematical Modeling of Left Ventricular Stresses after a Heart Attack
Poster 288	Reagan Noe Armistead	Antibacterial Properties of Nitric Oxide Releasing Microfluidic Devices
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Poster 291	Galilea Najera Garcia	Water Footprint Assessment of Food Crops
Poster 292	Juhi Mancha	Nitric Oxide Releasing PVA/Arabinosylan Composite as Antimicrobial Wound Dressing
Poster 293	Anna McClain	Engineering Pathways in Recombinant <i>Escherichia coli</i> for Volatile Ester Biosynthesis
Poster 294	Chelsea Murray	Morphological Differences between Native Fibrin Clots vs. Glycated Clots
Poster 295	Dieu Thao Nguyen	Amalgamation of Tranexamic Acid, Propolis and Nitric Oxide Releasing Antibacterial Wound Dressing to Prevent Excessive Bleeding and Infection
Poster 296	Emily Nieves	Mathematical Modeling of Renal Function Decline as a Result of Crystal Formation in Patients with Hyperoxaluria
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Poster 298	Martin Thach Tran	Characterization of an Electrospun Nitric Oxide Donor Linked Wound Dressing
Poster 299	Alex Ross Blankenship	An Assessment of the Accelerated Bridge Construction Method
Poster 300	Ben Bullard	Reliably Regulating Fluid Pressure in a Low-Cost Platform
Poster 301	Paul Coughlin	Specific Stage Analysis of High-Order Streams
Poster 302	Caroline Dickey	Material Flow Analysis of Concrete Infrastructure Resources - Atlanta Regional Level
Poster 303	Andrea Lynn Duncan	Fabricating Multi-Barrel Capillary Tubes for the Controlled Deposition of Picoliter Droplets
Poster 304	Austin Michael Duncan	Modifying 3D Printers for Printing Droplet Interface Bilayers
Poster 305	Katy Christina House	Best Management Practices for Post-Construction Restoration of Rights-Of-Way in Saltwater Marshes, Estuaries, and Other Tidally Influenced Areas
Poster 306	Cole Howington	Microplastic Sampling
Poster 307	Chris Johnson II	Experimental Investigation: Controlling Temperature Rise due to Heat of Hydration in Mass Concrete Placements
Poster 308	Anastasia Nichole Klosterman	Estimating Trophic Structure on Coral Reefs Using Metabolic Theory and Complex Food Webs
Poster 309	George R Moll III	The Design, Construction, and Utility of Vibrations Test Articles
Poster 310	Sean Sullivan	Structural Mechanics and Vibration Phenomena Demonstrated with 3D Printed Units

Poster 311	Steven Michael Tate	Evaluation of Tire Chips and Fiber Reinforcement for Use in Concrete Barrier Walls
Poster 312	Usenmfon Immanuel Udo	Fatigue Performance Characterization of Asphalt Concrete Mixture
Poster 313	Truc Vu	Two-Dimensional Self-Assembly Experiments with Vibration Stimuli
Poster 314	Davis Wing	Evaluating the use of Metakaolin in Mass Concrete Specimens
Poster 315	Haram Lee, Daniel Snyder	Wireless Network System for Power Plant Environment
Poster 316	Daniel Snyder, Haram Lee	Wireless Sensor Network for Real-Time Power Plant Conditions Monitoring
Poster 317	Dean Barber	Understanding the Role of HIF-2 β and Identifying Potential Inhibitors
Poster 318	Wendy Cai	Design of a Micro Autonomous Vehicle for Maze Navigation
Poster 319	Anton Eduard Franzluebbers	Menu-Based versus Physical Interaction Systems in Virtual Reality for a Neurological Examination of a Dog
Poster 320	Lindsey Greenfield	Computational Research on Resveratrol Binding to DNA Polymerase
Poster 321	Mariam Hammady	Using Machine Learning to Improve the Reliability of Solar Energy
Poster 322	Austin Kinkade	Shack-Hartmann Code Optimization and Conversion to C++
Poster 323	David F Liaguno	Analysis of Radiological Properties of Woody Tissue in Chicken Breast Samples
Poster 324	Ryan Snowden	Multi-Functional Micro-Facial Alteration Toolkit for Face Recognition
Poster 325	Allen Victor Spain	Phase-OTDR Distributed Fiber Sensor
Poster 326	Kaitlyn Summey	Adaptive Optics in Light Sheet Microscopy
Poster 327	Harshitha Tadinada, Aaron Smith	3D Printed Thermochromic Resin and Its Application
Poster 328	Aaron Martinez, Matthew Wicker	Compact Tetrahedron Based RNA 3D Structure Assembly
Poster 329	Ravi Parashar	Using a Citizen Science Approach and Mobile Technologies to Assess Family Routines on Health and Obesity for Future Population Interventions
Poster 330	Megan Arogeti	Pseudo Invariant and Coastal Target Feasibility
Poster 331	Ethan Barnes	Compression and Encryption Methods for Small Satellite Communications
Poster 332	Paige Copenhaver	Antenna Theory and the University of Georgia's First Ground Station
Poster 333	Parker Ensing	Structural Analysis of Small Satellites

Poster 334	Graham Grable	Enhancement of Space-Borne Sensors through Adaptive Temperature Control and Thermoelectric Modules
Poster 335	Godfrey Hendrix	Cost Effective Thermal Vacuum Testing System
Poster 336	Meredith Herbst	Access to Food Assistance in Northeast Georgia
Poster 337	Albert Leonard Hunecke III	Exploring the Role of Plant Physiological Responses to Increasing Atmospheric CO ₂ Concentrations on Extreme Temperatures and Heatwaves
Poster 338	Bjorn Leicher	Concept of Operations in Small Satellite Functionality
Poster 339	Alexandria Lin, Casper Versteeg	Modeling the Attitude Determination and Control Subsystem (ADCS) on 3U CubeSat
Poster 340	Casper Versteeg, Matthew Hevert	Structural-Thermal Optical Performance Analysis of Small Satellite Payloads
Poster 341	Ayshia Ranjitsingh	Determination of Community Housing Problems Utilizing Kernel Density Interpolation
Poster 342	Sydney Meredith Whilden	How Beta Angle Determines CubeSat Mission Development
Poster 343	Anthony Arbise	Implications of Strike-Slip Faulting for Plate Tectonics on Europa
Poster 344	Jared Conner	Application of Biochar for Low-Cost Treatment of Agricultural Wastewater
Poster 345	Laura Dupont	Evaluating Human-Driven Environmental Change using a Stalagmite from Northwestern Madagascar: Implications for Research and Conservation
Poster 346	Bear Jordan	Changes in Clay Mineral Assemblages of Legacy Sediments in the Calhoun Critical Zone Observatory, SC: Evidence for Anthropogenic Landscape Change
Poster 347	Bear Jordan, Sydney Lee	Descriptive Mineralogy of Georgia's Barrier Island Beaches
Poster 348	Sophia Chason Sanders	The Fate of Degraded Biotites in the Deep Critical Zone: Implications for the K-Uplift Hypothesis
Poster 349	Mackenzie Joy	A Study of Formaldehyde in MBM40
Poster 350	Kinsey Lorraine Poland	Investigating the Theoretical Limit of Precision for Radial Velocity Measurements
Poster 351	Will Thompson	Investigation of the Excited-State Dynamics of Photo-ODIBO Using Transient Absorption Spectroscopy
Poster 352	Elliott Williams	Simulating Turbulence in the Magellanic Stream
Poster 353	Louise Leyi Zhuang	Effects of Thiamine Deficiency on Magnetic Resonance Images of Mice Brains
Poster 354	Meekail Zain	Basis and Metric Variations of the Fractal Image Compression Presented by Yuval Fisher

Oral Session 5

Tuesday, 9:30 to
10:45 a.m.

Athena Breakout Rooms

Room A	Marianna Hagler	"GET REAL LEGITIMATE ONLINE": Twitter Poetry's Artificial Interiors
	Rachel Renee Adornato	Social Banditry: Medieval Ballads and the Black Panther Party 1976-1982
	Julia Thompson	The Architect's True Purpose in Johann Wolfgang von Goethe's <i>Elective Affinities</i>
	Katie Lech	The Divine is in the Details: Passion Devotion and Ancillary Texts in Medieval Books of Hours
Room B	Arturia Melson-Silimon	Personality Testing and the Americans with Disabilities Act: Cause for Concern as Normal and Abnormal Personality Models are Integrated
	Isabel Carvallo, Luis Mata	Bridging the Gaps: The Role of Promotoras in Connecting Latinos to the Local Community
	Kate Ayres	Improving Mental Healthcare in Greek Refugee Camps
	Rajashri Manjunath	Socioeconomic Disparities in Mental Health and Financial Conditions
Room C	Elizabeth Ann Clerke	Emotion Regulation in the Context of Parenting: A Review and Directions for Measurement Development
	Peyton Lynch	Improvements to Cognitive Switching Tasks Following a Dual Distraction and Driving Intervention
	Nicole Schlosberg	Antisaccade Task and How it Correlates with Intelligence
	Arjun N Bhatt	The Effects of Language and Culture on Thought, Behavior, and Personality
Room D	Maisie Grace MacKnight	<i>In vitro</i> Screening for <i>Phytophthora</i> Resistance in American and Hybrid Chestnuts
	Natalie Gray Busener	Revealing the Link Between Phenotype and Micronutrient Content in Cassava
	Sarah Houtsma	The Effects and Efficacy of Fertilizer Products Processed using Nano Particle Technology
	Tina Jones	Detection of Azole-Resistant <i>Aspergillus fumigatus</i> in Agricultural Environments

Room G	Lukas T Woodyard	“Indecent” Immigration: Including “the Other” in Theatre
	Lexi Ritter	Women in Political Dramas: How Does Hollywood Depict Politicians?
	Abraham Johnson	Interpreting Queer Spirituality for the Stage
	Jianna Patricia Justice	Documenting the Ephemeral: Composition and Decomposition in the Cinema of Agnès Varda
Room H	Kristie Le	Investigation of the Formation of Gold Nanoparticles on Ancient Gilded Statues
	Tad Paulsel	Designing and Using a Multi-Outcome Diels-Alder Experiment to Gauge Undergraduate Students’ Understanding of a Diels-Alder Reaction and 1H NMR Spectroscopy
	Matthew Wicker	Feature-Guided Safety Testing of Neural Networks

Oral Session 6

Tuesday, 11 a.m.
to 12:15 p.m.

Athena Breakout Rooms

Room A	Reilly Megee	JODD: The Creation of the Journal of Digital Design
	Charlotte Fox Norsworthy	Building the Language: Analyzing the Development of Virtual Reality as a Journalistic Medium
	Noelle Christina Lashley, Brandon Janeway, Eryka Johnson	Examining the Impacts of Virtual Reality Journalism
	Allison Krausman, Wellie Delmer	Who’s We: A Documentary Study on Gentrification in Atlanta
Room B	Cecelia Giangacomo	Comparing Discrimination Methods to Amplify Bacterial DNA from Plants
	LuLu Lacy	Competitive Dynamics of Coastal Lichen Communities
	Caitlin Teuton	Longleaf Pine Restoration in Coastal Georgia
	Margaret Zacharias	Population Dynamics and Mass Mortality of the Vermetid Gastropod, <i>Ceraesignum maximum</i>
Room C	Alison Adams	Density-Dependent Selection Model for the Sociality of <i>Ceratina (Neoceratina) australensis</i>
	Nathalie Murphy	Identification of the Binding Motifs of Transcription Factors Expressed in Shoots and Roots of <i>Zea mays</i> by DNA Affinity Purification Sequencing

Room C	Neeraja Sarda	Towards Elucidation of Spore Glycan Formation
	Steven Carroll	Cell Division Cycle Regulates Kinetoplast Division
Room D	Hannah Turner	The Price of Freedom: An Analysis of Monetary Sanctions in the United States
	Jake Elijah Sandor	The Effects of Promoting Minority-Owned Businesses to Socially Conscious College Students
	Austin Emery	The Costly Legacy of Economic Sanctions
	Nina Reddy	Reducing Recidivism through Family Contact: Cutting Costs of Prison Phone Calls in Georgia
Room G	Emma Bay Dickinson	Colorful Styles: Analyzing Horn Tone Quality and Regional Tone Differences through Literature Study
	Bianca Garcia	The Ideal Feminine Beauty and Sexuality in Italian Fashion: A Comparative Analysis of Versace and Prada
	Meghan O'Keefe	Close Up Shots of Collapsing Societies: The Soviet Films <i>I am Cuba</i> and <i>The Cranes are Flying</i>
	David Forsee	Space and Meaning-Making in London Theatre
Room H	Sachi Shastri	Investigating the Role of Inflammation and Hypercoagulation in Placental Malaria
	Sierra King	Optimal <i>Anopheles quadrimaculatus</i> Larval Density for Laboratory Rearing
	Shreya Dilip Tailor, Keshni Kokliakumar, Joseph Mcdaniels	The Effects of HIV Viral Load in the Presence of Arboviral Coinfection

Oral Session 7

Tuesday, 12:30 to 1:45 p.m.

Athena Breakout Rooms

Room A	Taylor Martin	Do Dual-Use Controls Contribute to the Probability of the Pursuit or Use of CBRN Weapons by Terrorist Organizations?
	Varad R Dabke	Somalian Piracy: A Study on the Relationship Between Food Security and Violent Maritime Conflict
	Caroline Beadles	Gender Equality and Sexual Violence in Conflict
	Mauli Desai	Preventing the Arbitrary Killing and Kidnapping of Journalists

Room B	Abdullah Darvesh	Investigating the Effect of Galanin on Consolidation of Threat Learning
	Raman Shrestha	The Effects of Age on the Relation of beta-Carotene, Lutein, and Zeaxanthin on Cognitive Performance in Adults
	Rhiannon Euhus	The Effects of Studying Habits on Vitamin D Levels in Undergraduate Students
	Robert Daniel Petcu	Cognitive Reserve: A Potential Cushioning Effect Between Severity of Concussion and Memory
Room C	Katie Luedecke	Abnormal <i>N</i> -Heterocyclic Carbene Preparation via 1,2-Hydrogen Migration and BX_3 Complexation
	Alyssia Mitchell	Characterizing the Capture of Foreign DNA by a Type III-A CRISPR-Cas System
	Nathalie Murphy	Development of an N-Linked Glycan Specific Binding Reagent by Computational and Experimental Methods
	Christina Najjar	Investigation of <i>NAP1</i> as Reporter for CaaX Protein Post-Translational Modification Shunt Pathway
Room D	Evan Alexander Katz	Stopping Rules for Majority Voting: A Public Choice Experiment
	Amy Pan	Ending Modern-Day Voter Suppression in Georgia
	Bryson Culver	Political Impacts of Obama's Appellate Court Appointments on Policy Issues
	Sarah Burns	Empowering Women to Campaign for Office: How and Why Women Run
Room G	Virginia Olivier	Outdoor Physical Activity in Relation to Vitamin D Status in African American College Women
	Caroline Elizabeth Finn	Effects of Chronically Elevated Bacterial Lipopolysaccharide on the Gut-Brain Axis
	Sunny Abdelmageed	The Effect of Habituation and Stimulus Valence within IAPS
	Emily Reed Germany	Effects of Schizophrenia on Error Correction Latencies of the Minimally Delayed Oculomotor Response Eye Tracking Task

Oral Session 8

Tuesday, 2:00 to 3:15 p.m.

Athena Breakout Rooms

Room A	Clarissa Keisling	Marine Microplastics: Mapping Distributions in Estuarine Systems
	Hayley Adair Schroeder	Fall Conditions Trigger an Altered Flight Metabolic Rate in Monarch Butterflies, <i>Danaus plexippus</i>
	Elizabeth Butler	Population Connectivity of Reef Fish Between Coral Reefs off the Amazon River Plume and in the Western Atlantic
	Alizah Garvin	Using Gene Expression Analysis to Understand Marine Microbial Biogeochemistry
Room B	Taylor Walker	The American Opioid Epidemic
	Tarun Ramesh, Emma Tucker	The Deadliest Catch: Testing and Treating Sexually Transmitted Infections in Methadone Rehabilitation Facilities
	Jacob Scott Kepes	Policy Diffusion and Misdemeanor Probation in Georgia
	Rhiannon Euhus	The Health Status and Healthcare Access of Incarcerated Women
Room C	Michael Sloman	Jewish Investment in Education: Do Jewish Populations Make Different Investment Choices in Education
	Jazzy Imon Griffin	Modern Day Mercantilism: China vs. the United States
	Anthony Potts	Fortune 500 and S&P Firm Lifecycle Analysis
	Jordan Peebles	Gender Differences in STEM Major Choice: The Effects of Risk Aversion
Room D	Brooke Hull	Genomic Editing of <i>Neurospora crassa</i> as a Tool for Studying Circadian Oscillator Synchronization
	Laurel Parker	mRNA Reprogramming of Fibroblasts into Induced Pluripotent Stem Cells
	Jessica Ziling Ho	Genotype-Phenotype Correlations for Protein O-Linked Mannose <i>N</i> -Acetylglucosaminyltransferase 1 (POMGnT1) in Congenital Muscular Dystrophy
	Craig Michael Hearn	Characterization of Bacterial Genes Involved in Cell Wall Synthesis

Tuesday, April 10, 2018

Room G	Zach Rinehart	Modeling Functional Group Effects on Combustion: n-Butane, 1-Butanol, and Butanone
	Caleb Wiff	Measurements of Pre-Heater Temperature-Dependence on Flow Rates for Combustion Experiments
	Jackson Bradley Willis	Diagnosis and Treatment of Asthma by Airflow Dynamics and Particle Deposition Using Heliox
	Tala Sidawi, Brian West, Jacob Ursrey, Prasant Joshi	Exploring the Development of Educational Modules in Virtual Reality through Participant Observation
Room H	Olivia Feltner	Relationship Between Post-Concussion Step Counts and Time to Asymptomatic: A Pilot Study in College Students
	Catriona Geddes	The Association Between Knowledge of Vitamin D and Blood Levels of 25-Hydroxy Vitamin D among Black/African-American College Women
	Jinu Kim	The Relation Between Critical Flicker Fusion and Functional Independence in Older Adults
	Chiamaka Ujuaku Uzuegbunam	Education Moderating the Relationship Between Personality and Impulsivity in Adults

Oral Session 9

Tuesday, 3:30 to 4:45 p.m.

Athena Breakout Rooms

Room A	Sarah Henning	Help a Sister Out: The Gendered Difference in Aid Allocation Decision Making?
	Kal Hicks	The Four Factor Model: A Realistic, Applicable, and Predictable Theoretical Framework for Understanding Modern Terrorism
	Peyton Sammons	The Growing Role of Human Trafficking as a Means for Recruitment and Funding in 21st Century Insurgencies
	Charlotte Ann Partrick	Outcomes of Insurgency: Do Women Make a Difference?
Room B	Ben Burgh	Camera-Geometry Interpenetration in Virtual Reality
	Ridge Maxson	Bioactive Scaffold Design for Bone Tissue Engineering
	Michael Buzzy	Joule Heating Analysis of Spacecraft PCB's
	Richard Becker	Acoustical Transformation of Global Energy Consumption

Room C	Kajol Patel	Making Kindness Count: Prosocial Behavior as a Treatment for Mild Depression
	Reese Dayton Antwine, Cassandra Alvarez, Elyse Sheldon	The Dopamine Hypothesis of Social Media Use
	Eli Chlan	Activity in the Anterior Cingulate Cortex: Differences across Healthy Populations and Populations with Psychosis
	Avery Warner, Arden Farr, Anthony Potts	Prevalence of Student Mental Health Issues: Implementing Awareness Training
Room D	Sarah Sadoris	SSIP1 is Required for SDG7-Mediated Trimethylation of H3K36
	Sergio Alcantar	Effects of Increased Omega-6 and Omega-3 Fatty Acids on Primary Sex Ratio in Japanese Quail, <i>Coturnix japonica</i>
	Dustin Dial	Genome Construction and Determination of Nutritional Roles of Dual-Obligate Symbionts in the Plant-Sap-Feeding Adelgidae
	Emerson Lee	Genetic Improvement of Sulfur-Containing Amino Acids by Manipulating Genetic Loci Controlling Protein Subunits in Soybean
Room G	Natalie Perkins	Workshop for the Instruction and Use of Aquaponics in a Classroom Setting
	Holly Jamieson	Effects of Weather on Northern Bobwhite (<i>Colinus virginianus</i>) Harvest
	Erin Malsbury	Density Banding Patterns and Stable Isotopes in Amazonian and Caribbean <i>Siderastrea</i> Corals
	Gloria Andia, Chelsea Murphy, Ahana Gaurav	Arboviral Transmission Rates after a Natural Disaster Occurrence: A Systematic Review
Room H	Teddy Vincent	Climate Fiction as a Response to Climate Change: A Genre Analysis
	Madison Alexandra Hogan	Standardization of the Hours of the Passion in Medieval Books of Hours
	Alexander Sheldon	The Status of Postmodern Aesthetics in Contemporary British Literature