



SOURCE 2022 Presentation Schedule

Oral Presentations

Session 1

Space and Design – Live Virtual Presentation

12:00 - 12:15pm	Lindsey Fowler – The Unknown Waste: Research Facility and Sea Turtle Hospital
12:15 - 12:30pm	Trent Webb – Exploring User Experience and Adolescent Design - Sprouts Children's Museum and Midtown Metro: Extended Stay
12:30 – 12:45pm	Makayla Strozier – Maternal Essence Drug & Alcohol Rehabilitation Design
12:45 – 1:00pm	Rebecca Karban – Supporting Success Through Human-Centered Design
1:00 – 1:15pm	Asia Piskorski – Sustainable Design: Reducing Waste with Shipping Containers and Renewable Resources
1:15 – 1:30pm	Skylar Dewyea – Laconia Community Center
1:30 – 1:45pm	Ann Kennedy Taylor – How to create less clinical environments through environmental psychology

Design Expo 1 – West 221

12:00 – 12:15pm	Hannah Parris – Remembering the Forgotten
12:15 – 12:30pm	Joshua Lively – The Coupled: A Graphic Novel Proposal
12:30 – 12:45pm	Joy Parker – SANCTUS
12:45 – 1:00pm	Dani Fields – The Diary of Iaso
1:00 – 1:15pm	Sierra Wheeler – The Pillow King
1:15 – 1:30pm	Noel Heil – The Waste
1:30 – 1:45pm	Brie Tierney – Olykoek

Literature in Society – Live Virtual Presentation

12:00 – 12:15pm	Nyombi Walthour-Corley – Instances of Escapism and the Messages within “Cinderella” Folklore
12:15 – 12:30pm	Emmalynne Eshleman – “Unsex Me Here”: The Animus Possession of Lady Macbeth
12:30 – 12:45pm	Julia Breitreutz – Retrospection and Reconciliation: Exploring the Complex Mother-Daughter Relationships in the Short Stories of Alice Munro and Lucia Berlin
12:45 – 1:00pm	Shyanne Hamrick – “Realism is Nonsense”: An Experimental Writer's Guide to Fiction
1:00 – 1:15pm	Nyombi Walthour-Corley – How Marvel’s Black Panther Enforces Diasporic Disunity

Arts Expo – Live Virtual Presentation

12:00 – 12:15pm	Sky Gilbert – The Materiality of Flowers
12:15 – 12:30pm	Trinity Howell – Melodic Writing and Thematic Unity in Chevalier de Saint Georges’ <i>Quatuor Concertante No. 5</i> in G Major
12:30 – 12:45pm	Sarah Ochoa – Optimizing Pitch Accuracy with Pre-phonatory Tuning
12:45 – 1:00pm	Shadae Tompkins – Fears of a Black Woman
1:00 – 1:15pm	Nico Sweet – Equivocation
1:15 – 1:30pm	Sky Gilbert – The Materiality of Flowers
1:30 – 1:45pm	My’Asia McCollum – Into the Dark

Health and Wellness 1 – Live Virtual Presentation

12:00 – 12:15pm	Bethany Golden – Comparison of VO2max Between Smokers/Vapers and Non-Smokers/Non-Vapers
12:15 – 12:30pm	Sarah Funderburg – Yoga and Athletic Performance
12:30 – 12:45pm	Elani Payne – Longevity in the Blue Zones
12:45 – 1:00pm	Tavia Sartor – Examining the Effects of Early Sport Specialization in Youth Sports
1:00 – 1:15pm	Alexis Snyder – The Effects of Concussions

Vulnerable Populations 1 – Live Virtual Presentation

12:00 – 12:15pm	Jordan Drewello – Changing Viewpoints of Post-Traumatic Stress Disorder in Veterans over the 20th-Century
12:15 – 12:30pm	Nicole Holbert – Black Loyalists: African American Migration During the American Revolutionary War
12:30 – 12:45pm	Joseph Jones – Age Discrimination in The Workplace: What Can Be Done About It?
12:45 – 1:00pm	Sarah Hicks – Social Surveillance State: Evaluating Human Rights Violations in China
1:00 – 1:15pm	Miyah Reed – Religiosity and Mental Health: Exploring the Role of Religion on African Americans Seeking Mental Health Aid
1:15 – 1:30pm	Joseph Dupuy – Problems with Neoliberalism: Realistic Alternatives to Consider
1:30 – 1:45pm	Taylor Pike – The Social Construction of Grief and Loss During the COVID-19 Pandemic

Science and Technology – West 219

12:00 – 12:15pm	Laela Walker – Investigating Bacteriophage Genes Involved in the Defense of its Host
12:15 – 12:30pm	Dallas Nivens – Using a Bacterial 2-Hybrid Assay to Investigate Bacteriophage Gene Function
12:30 – 12:45pm	Bethany Wise – Genetic Analysis of Orthologous K Cluster Phages
12:45 – 1:00pm	Anh Nguyen – Investigation of Protein-Protein Interactions of the Troponin Complex in Response to Ca ²⁺ and Cd ²⁺ binding
1:00 – 1:15pm	Samantha Fritsch – Utilizing Isothermal Calorimetry to Assess Troponin Complex Stability
1:15 – 1:30pm	Eric Walters – Expression and Purification of GeneM: A Novel Virulence Factor of <i>Clavibacter michiganensis</i>
1:30 – 1:45pm	Jomar Lewis – The Inhibition of Sphingosine Kinase Using Modified Variants of Zone 2 of Sphingosine Kinase Inhibitor 1

Session 2

Design Expo 2 – West 221

2:00 – 2:15pm	Isabel Wallace – The Briar Fairy
2:15 – 2:30pm	David Beck – An Exploration into the Lineage of Contemporary Fantasy Painting
2:30 – 2:45pm	Kierra Byrd – in here
2:45 – 3:00pm	Jordan Crosby – The Storm
3:00 – 3:15pm	Marquila Winston – Back to the Rink
3:15 – 3:30pm	Anna Townsend – Stamps Around The World
3:30 – 3:45pm	Kendall Bayne – Sustainable Mutations

Vulnerable Populations 2 – West 214

2:00 – 2:15pm	Carol Linton – Infant Mortality in South Carolina: How Underlying Factors Play a Significant Role
2:15 – 2:30pm	Jemia Wiggins – Reducing Substance Abuse and Mental Illness Among the Homeless Population
2:30 – 2:45pm	Jeylinn Lopez – The Impact of the Medical-Dental Divide on Vulnerable Populations
2:45 – 3:00pm	Danny Kilgore-Wilson – Greenville, SC Civil Right Movement: Our Story Matters
3:00 – 3:15pm	Kayla Thomas – Examining Adversity and Protective Factors in College Students' Lives
3:15 – 3:30pm	Sam Jones – The Effects of COVID-19 on Employees' Ability to Work from Home
3:30 – 3:45pm	Richard Thomas – The Status of Welfare and the Reduction of Poverty Across the United States

The College Experience – Digs 220

2:00 – 2:15pm	Sydney Pauley – The Effect of Natural Exposure on Mental Health and Academic Performance
2:15 – 2:30pm	Ana Rodriguez – The Impact of COVID-19 and Learning Modalities on the College Experience
2:30 – 2:45pm	Nicole Holbert – The Impact of Covid-19 on the Freshman Experience in Fall 2020
2:45 – 3:00pm	Savannah Stinson – Women of Color and Faculty Life

Schools and Education – Digs 223

2:00 – 2:15pm	Jasmine Moyd – The Relationship Between STEM Teacher Self-Efficacy and Retention with Respect to the COVID-19 Pandemic (WILL BE PRESENTED VIA ZOOM)
2:15 – 2:30pm	Courtney Garrett – The Effect of White Master Narratives Around Language on Education
2:30 – 2:45pm	Madison Bray – Gifted Education After Brown v. Board of Education
2:45 – 3:00pm	Emily Patterson – Are WIDA ACCESS Test Results Appropriately Reflecting English Learners’ Language Skills According to ESOL Teachers’ Experiences?
3:00 – 3:15pm	Maria Manley – School Closings and Demographic Balance in Rock Hill Elementary Schools
3:15 – 3:30pm	Joslynn Luto – Adult’s Perceptions and Lack of Knowledge of Different Learning Environments
3:30 – 3:45pm	Michaela Bessinger – Contemporary Segregation within Schools in the South

Health and Wellness 2 – Digs 221

2:00 – 2:15pm	Lily Garcia – Assessment of well-being using Fitbit technology in college students, faculty, and staff performing breathing meditation
2:15 – 2:30pm	Nicole Weiss – Vitamin B12 Deficiency and its effects
2:30 – 2:45pm	Cassidy Butler – Baby-Led Weaning: Pros and Cons
2:45 – 3:00pm	Janae Myers – Phototherapy in Ankle Injuries
3:00 – 3:15pm	Terrik Johnson – An Examination of the Effects of COVID-19 Quarantine on Mental Health in College Athletes

Arts Expo 2 – West 219

2:00 – 2:15pm	Meshaal Malik – Like every woman, we are like you
2:15 – 2:30pm	Jewel Edwards – Beauty and Adversity
2:30 – 2:45pm	Lauren Baechel – To Dust
2:45 – 3:00pm	India Walker – The Bridge Between Painting and Ceramics
3:00 – 3:15pm	Trenedy Hayden – Fountain of Mirrors
3:15 – 3:30pm	Ryan Certo – A Fugue on the Theme Song from iCarly
3:30 – 3:45pm	Jason Lindsay – Desolation

Community, Society, and Government – Digs 114

2:00 – 2:15pm	Nathaniel Willey – A Mutually Beneficial Relationship: How Religion Relates to Conservatism
2:15 – 2:30pm	Bautista Vivanco – COVID-19, regime types, and government repression in Africa
2:30 – 2:45pm	Hannah Switzer – Mobile Technology and State Repression during the COVID-19 Movement Restriction: The Case of Nigeria
2:45 – 3:00pm	Bobbie Owen – Contributing Factors of Success or Failure of Environmental Grassroots Movements in Rock Hill
3:00 – 3:15pm	Garrett Jackson – The Ideological Shift of Conservatives on Government Spending
3:15 – 3:30pm	Nyssa Hemingway – CRT’s Affect on Attitudes Towards Law Enforcement
3:30 – 3:45pm	Bobbie Owen – How Progressives Perceive Polyamory

Performance Schedule

11:00 – 11:15am	McBryde Main Hall	Madison Syswerda - Behind My Eyes
11:15 – 11:30am	McBryde Main Hall	Nakia Hartley - Dear Freedom,
11:30 – 11:45am	McBryde Main Hall	Jala Tyler Smith - Who Are We?
11:45am – 12:00pm	McBryde Main Hall	Rachel Stevenson - Gone and Gravitating
12:00 – 12:15pm	McBryde Main Hall	David Urich - Looking Backwards to Move Forwards in Music Composition
Transition to Tuttle		
12:30 – 12:45pm	Tuttle Dining Room	Ashley Idelle Brown - Put Together
12:45 – 1:00pm	Tuttle Dining Room	Cameron Muccio - Conversations with My Dog
1:00 – 1:15pm	Tuttle Dining Room	Madison Bush - Columns: Using Music to Create Emotions and Mental Images

Poster Presentations

Session 1

River Anderson - Protein intake for building muscular hypertrophy
Mentor: Janet Wojcik, Ph.D.
Aliya Busbee - Pervasiveness of COVID Thoughts and Anxiety in Young Adults
Mentor: Merry Sleigh-Ritzer, Ph.D.
Layla Carver - RGC and DRG Growth Cone Response to SEMA 3A
Mentor: Eric Birgbauer, Ph.D.
Sabrina Clausen - Morbid Curiosity and Gender Predict Interest In True Crime
Mentor: Merry Sleigh-Ritzer, Ph.D.
Hope Culbreth - Examining College Student's Mental Health: How Parenting Style and Birth Order Affects College Student's Mental Health
Mentor: Matthew Hayes, Ph.D.
William Douglas - Characterizing the Effect of Bacteriophage <i>Cain</i> Genes on <i>Mycobacterium smegmatis</i>
Mentor: Kathryn Kohl, Ph.D.
Olivia Esselman - The Evolution of Distribution in the Film Industry
Mentor: Aimee Meader, Ph.D.
Courtney Franklin - Assessing Privilege: The Interconnections Among Emotional Characteristics, Awareness, and Personal Experience
Mentor: Merry Sleigh-Ritzer, Ph.D.
Caprice Garcia - Relationship Between the Development of Eating Disorders and Childhood Trauma in Family Dynamics
Mentor: Cheryl Fortner-Wood, Ph.D.
Madison Haas - Alzheimer's Disease and Its Correlation to Exercise
Mentor: Janet Wojcik, Ph.D.
Nastajia Hamilton - Music Preferences, Gender-based Attitudes, and Perceptions of Rape Culture
Mentor: Merry Sleigh-Ritzer, Ph.D.
Savannah Hancock - Multi-Layered Semiconductor Thin Films Arranged in a p/p Z-scheme Tandem Device for Sustainable Water Splitting in the Absence of Sacrificial Reagents
Mentor: Clifton Harris, Ph.D.

<p>Autumn Hennis - The Role of Stress and Trauma in Immersive Daydreaming and Parasocial Relationships</p> <p>Mentor: Merry Sleigh-Ritzer, Ph.D.</p>
<p>Taylor James - The United States Opioid Epidemic: History, Impact and Recovery</p> <p>Mentor: William Schulte, Ph.D.</p>
<p>R'Moni Jarvis - How Does Social Media Affect Job Satisfaction and Morale of Workers?</p> <p>Mentor: Melissa Carsten, Ph.D.</p>
<p>Marley Jenkins - Effect of Two-Factor Authentication On Users' Trust in Their Passwords</p> <p>Mentor: Andrew Besmer, Ph.D.</p>
<p>Taylor Jones - Emotional Responses to Happy, Sad, and Sexual Lyrics in Music</p> <p>Mentor: Merry Sleigh-Ritzer, Ph.D.</p>
<p>Nicole Kearney - Media Trust, Health-Related Anxiety, and Receptiveness to the COVID-19 Vaccination</p> <p>Mentor: Merry Sleigh-Ritzer, Ph.D.</p>
<p>Janae Massey - Tandem n/p Z-scheme Device for Sustainable Water Splitting in the Absence of Sacrificial Reagents</p> <p>Mentor: Clifton Harris, Ph.D.</p>
<p>Rachel Moan - The Effects of Multiobjective Task Performance on Heterogenous and Homogenous Multiagent Learning</p> <p>Mentor: Paul Wiegand, Ph.D.</p>
<p>Catherine Moorhouse - Investigating the Tumor Suppressive Role of RYBP in U-87 Glioblastoma Cells</p> <p>Mentor: Dan Stovall, Ph.D.</p>
<p>Tanna Morrison - The Effect of COVID Priming on Adults' Expectations of Workplace Accommodations</p> <p>Mentor: Merry Sleigh-Ritzer, Ph.D.</p>
<p>Demetria Murray - School-based Youth Obesity Programs</p> <p>Mentor: Janet Wojcik, Ph.D.</p>
<p>Jared Nodine - Meaning Generated as a Result of Suffering</p> <p>Mentor: Darren Ritzer, Ph.D.</p>
<p>Rodney Oldham Jr. - Exercise With Cardiomyopathy</p> <p>Mentor: Janet Wojcik, Ph.D.</p>

Yinka Pelumi - The Relationship Between Food Insecurity, Disordered Eating Behaviors, and Eating Disorders
Mentor: Ashley Licata, Ph.D., RD, CSSD
Shannon LeAnn Preston - Sleep Extension and Napping Found to Improve Athletic Performance
Mentor: Janet Wojcik, Ph.D.
Joshua Quarles - Using Tetracycline-Binding Nucleic Acid Aptamers as Trojan-Horse Tetracycline Delivery Vehicles in the Fight Against Drug-Resistant Bacteria
Mentor: Timea Fernandez, Ph.D.
Molly Quetel - Photoredox Mediated Alkylation of Imines with Potassium Organotrifluoroborates in the Presence of an Organic Photocatalyst
Mentor: James Hanna, Ph.D.
Anna Sharpe - Criminal justice system favors white people, Black people at disadvantage, data shows
Mentor: William Schulte, Ph.D.
Benjamin Smith - Physical Activity in Youth Athletes: A review of the Aerobic, Resistance, Bone Strengthening, and Balance Guidelines of the Athletic Youth Population
Mentor: Janet Wojcik, Ph.D.
Jasmine Smith - Students' Perceptions of their Field Experience Using Photovoice
Mentor: Monique Constance-Huggins, Ph.D.
Arianna Whitmire - How does the amount of exercise repetitions affect lean body mass and muscle hypertrophy?
Mentor: Janet Wojcik, Ph.D.
Drew Williams - Religious Asynchrony Predicts Parent-Child Deception
Mentor: Merry Sleigh-Ritzer, Ph.D.
Joseph Yakabowskas - Determinants of Unemployment: An Analysis of US States from 2002 to 2020
Mentor: Danko Tarabar, Ph.D.
Cassidy Butler - Comparison of Commercial DNA Extraction Kits for Use on Human Breastmilk
Mentor: Hope Lima, Ph.D.
Michaela Bessinger - Project 2020: An Oral History
Mentor: O. Jennifer Dixon-McKnight, Ph.D.

Session 2

Kennedy Bajek - Effectiveness of Nutrition Education in Afterschool Settings for Elementary Aged Children
Mentor: Ashley Licata, Ph.D., RD, CSSD
Taylor Belue - Peers' Perceptions of the Inclusion of Students with Intellectual Disabilities in the College Setting
Mentor: Larry Fisher, Ph.D.
Keaundra Benjamin - What jobs are Winthrop College of Business Students Searching for?
Mentor: Melissa Carsten, Ph.D.
Andrew Blondo - My Music Database
Mentor: Andrew Besmer, Ph.D.
Joshua Burns - Attraction and Retention of Low-Income Workers: A Study on Employee Perspectives
Mentor: Melissa Carsten, Ph.D.
Nicolas Casale - What Employee Factors/Demographic Variables are Perceived to have Influence over the Opportunity of Promotion
Mentor: Melissa Carsten, Ph.D.
Jose Cervantes-Jimenez - The impact of global immigration on a nations GDP
Mentor: Danko Tarabar, Ph.D.
Josephine Chestnut - Dissociative Identity Disorder: The Media and Malingering
Mentor: Darren Ritzer, Ph.D.
Jaeden Choice - Impact of Multiple Freeze/ Thaw Cycles on Nutritional Integrity and Bioactivity of Human Milk
Mentor: Hope Lima, Ph.D.
Lucas Dupuy - The Positive Impacts of the Covid-19 Lockdown on Students
Mentor: Duha Hamed, Ph.D.
Carlos Escoto-Diaz - Developing and Optimizing Recellularization of Porcine Internal Thoracic Artery Scaffolds
Mentor: Matthew Stern, Ph.D.
Olivia Esselman - Preservation Law and Confederate Monuments
Mentor: William Schulte, Ph.D.

Darrin Davis - What Kinds of Jobs are College Students Looking for Upon Entering the Workforce?
Mentor: Melissa Carsten, Ph.D.
Abigail Greene - Bird community structure in shrublands and evergreen forests in Utah
Mentor: Jennifer Schafer, Ph.D.
Sean Green - Functional Movement Training as a Method to Reduce Injury Among Police and Firefighter Personnel
Mentor: Janet Wojcik, Ph.D.
Joel Haley - Effect of Increased Salinity Concentrations on Gill Morphology and Gene Expression in Redear Sunfish (<i>Lepomis microlophus</i>)
Mentor: Salvatore Blair, Ph.D.
Ryan Harris - Isolation and Characterization of Novel Bacteriophages at Winthrop University
Mentor: Victoria Frost, Ph.D.
Autumn Hennis - Student Mental Health during the Covid-19 Pandemic: Comparison of 2021 and 2022 Data
Mentor: Sarah Reiland, Ph.D.
Sidney Jenkins - Methods to Relieve Pre-Performance Anxiety in Female Collegiate Athletes
Mentor: Janet Wojcik, Ph.D.
Madison Lapham - Effects of Exercise on Patients with Ovarian Cancer During Treatment and Post-Treatment
Mentor: Janet Wojcik, Ph.D.
Lily Leistikio - Exploration of RitR Oxidation and Dimerization
Mentor: Nicholas Grosseohme, Ph.D.
Mason Linker - Effects of Oncogenic MicroRNA on RYBP Expression in Glioblastoma Cells
Mentor: Daniel Stovall, Ph.D.
Ellery McNeill - Attention Deficit Hyperactivity Disorder Affects the Sexes in Varying Ways
Mentor: April Mustian, Ph.D.
Jessica Elizabeth Morgan - Annotation of Mikro, Virgeve, and Yorick
Mentor: Kristi Westover, Ph.D.
Lauren Mosier - Drug Related Deaths: The Impact of the Economy
Mentor: Danko Tarabar, Ph.D.

Lauren Patterson - Transiently Inducing RYBP Expression in Glioblastoma Cells Affects Invasion and Migration
Mentor: Daniel Stovall, Ph.D.
Yinka Pelumi - Assessing Accessibility of Cooking Supplies and Desirability of a Recipe Book Using Items from a College Food Pantry
Mentor: Ashley Licata, Ph.D., RD, CSSD
Haley Prosser - Caffeine and Its Effect on Athletic Performance
Mentor: Janet Wojcik, Ph.D.
Hannah Savage - The Heterosexist History of the Foster Care System: Perceptions that Shape Foster and Adoptive Parenting in America
Mentor: Kori Bloomquist, Ph.D.
Benjamin Smith - Prevention of ACL Injuries
Mentor: Janet Wojcik, Ph.D.
Thomas Harder - On The Hunt For Eggert's Sunflower in South Carolina
Mentor: Kunsiri Grubbs, Ph.D.
Daniela Torricos - Using RYBP Expression to Suppress GBM Cell Viability
Mentor: Daniel Stovall, Ph.D.
Katie Weber - Diagnosing and Treating Symptomatic Accessory Naviculars
Mentor: Janet Wojcik, Ph.D.
Bethany Golden - Physical Activity: A Treatment Option for Mild to Moderate Symptoms of Anxiety and Depression

11:00 a.m.		Performances Part 1	
12:00 p.m.	<u>Oral Session 1</u> Space and Design Design Expo 1 Literature in Society Arts Expo 1 Health and Wellness 1 Vulnerable Populations 1 Science and Technology	Performances Part 2	Poster Session 1
1:00 p.m.			
2:00 p.m.	<u>Oral Session 2</u> Design Expo 2 Vulnerable Populations 2 The College Experience School and Education Health and Wellness 2 Arts Expo 2 Community, Society, and Gov- ernment		Poster Session 2
3:00 p.m.			
4:00 p.m.			