

# Oral Presentation and Creative Expression Schedule

## Please also check SOURCE Special Event Schedule

**10:00 – 10:50**

### **Ball215A: Art and Design**

Session Chair Madison VanRavenhorst

#### **Craft and its Place in the Art Historical Canon**

*Joshua Collins*

Form ID 56

#### **Nestle**

*McKenzie Guzman*

Form ID 306

#### **Crafting My Path as a Sports Multimedia Journalist**

*Charis Jones*

Form ID 139

### **Ball215B: Biological Science & Anthropology and Museum Studies**

Session Chair Kelli Gaasland Conrads

#### **Genetic Insights into PFAS Toxicity: Unraveling Mechanisms**

*Dharshana Lakshminarayanan, Cindy Y. Castro Murcia, Jill Zeilstra-Ryalls, Gabrielle A. Stryker*

Form ID 193

#### **Prenatal Testosterone Exposure Reduces Ovarian Function**

*Marlee Weets*

Form ID 252

#### **Behavior and Enrichment Use in Rhesus and Japanese Macaques**

*Jessica Oscavich*

Form ID 129

### **SURC135: English**

Session Chair Pamela McMullin-Messier

#### **"Deconstructing Form in Monica Youn's 'Greenacre': A Critical Examination"**

*Miranda J. Gardner*

Form ID 49

**Examining structure in Miranda J. Gardner's poem "ADHD: Questionnaire & Diagnosis."**

*Miranda J. Gardner*

Form ID 52

**A Theoretical and Practical Pedagogical Reflection on Teaching First-Year Composition**

*Mariah Sebastiani*

Form ID 95

**SURC137A: Douglas Honor College (DHC)**

Session Chair Christina Denison

**Dynamics of Worker Cooperatives**

*Carey Stokes*

Form ID 119

**The Question of Evil in Avatar: The Last Air Bender**

*Shale Tenerelli*

Form ID 191

**Psychiatric Healthcare Among Syrian Refugees**

*Shale Tenerelli*

Form ID 200

**SURC137B: Anthropology and Museum Studies & Primate Behavior**

Session Chair Kendall Smart

**The Impact of the 'Tourist Gaze' in Roslyn WA: A Case Study of the Roslyn Cafe Mural**

*Elise Bingay*

Form ID 53

**Conducting an Undergraduate Ethnography in Collaboration With an American Indian Community**

*Shane Turntoes-Kuhnenn*

Form ID 329

**Human Impacts on the Needs of the Bonobo (*Pan paniscus*)**

*Em Bradford-Brann; Lori Sheeran, PhD; Karisa Terry, PhD*

Form ID 176

**SURC201: Computer Science**

Session Chair Brayden Smith

**The Gap in Research of Corporately Produced Operating Systems**

*Alexander Anderson*

Form ID 212

**Particle Simulation via Cellular Automata**

*Sean Gallaway*

Form ID 33

**Learning Abstract Data Structures Through Interactive Visualization**

*Kiyrah Keith*

Form ID 170

**SURC202: English**

Session Chair Chad Schone

**When Fiction Becomes Reality - A Short Story**

*Ashley Ayling*

Form ID 116

**Louisa May Alcott and Sensational Literature**

*Anna Gillihan*

Form ID 81

**Yelm Teacher Academy: Building Tomorrow's Teachers Today**

*Taliah Boyd, Bailie Fowler, Ki Neir, Glennah Wofford*

Form ID 48

**SURC301: History & Geography & Finance and Supply Chain Management**

Session Chair Arun Pillutla

**The Hanford Effect: Atomic Secrecy and the Fight for Justice**

*Stephen Hoberg*

Form ID 316

**ENSO Impacts on Snow Water Equivalent, Eastern Cascades, Washington State**

*Alex Moreno*

Form ID 211

**An Analysis of NVIDIA's Financials**

*Andrew Stosich, Janice Hale, Hunter Carlson, Anna Baturevych*

Form ID 300

## **11:00 – 11:50**

### **Ball215A: Art and Design & English**

Session Chair Madison VanRavenhorst

#### **Dimensional Drawings: Materiality and Perspective in Gego's Reticulara**

*Charlie Tadlock*

Form ID 135

#### **Ethics of AI Use in the Writing Classroom**

*Lisa Amick*

Form ID 92

### **Ball215B: Psychology & Family and Consumer Sciences**

Session Chair Pamela McMullin-Messier

#### **The Role of Self-complexity in Intergroup Interactions**

*Homa Sheibani Asl; Tonya Buchanan, PhD*

Form ID 189

#### **The Hidden Struggle: Peer Perceptions of Imposter Phenomenon**

*Elizabeth C. Yanes*

Form ID 45

#### **Community Connection and Family Resilience**

*Loi Lutes*

Form ID 207

### **SURC135: Health Sciences & Cultural and Environmental Resource Management & Geography**

Session Chair George Long

#### **Autonomic Function After COVID-19 in Young Adults: An Observational study**

*Michael Eleruja, Kelly Pritchett, Leonardo J. D'Acquisto, Karen Roemer, Fabio Santos Lira, Bruna Spolador de Alencar Silva, Ana Elisa von Ah Morano, Vanessa Ribeiro Dos Santos, Telmo Pereira, Manuel Joao Coelho-E-Silva, Armando Caseiro, Ana Paula Coelho Figueira Freire*

Form ID 84

#### **Sediment Capture Comparison Between Human-Made Dams**

*Griffin Hansen*

Form ID 249

#### **Fire-Vegetation-Climate Interactions at Round Lake, Idaho**

*Audrey Scott*

Form ID 91

**SURC137A: Accessibility Studies & World Languages and Cultures**

Session Chair Arryn Welty

**Disability and Gender in Gender-Neutral Restrooms**

*Jess Eavenson*

Form ID 136

**Interior Accessible Design Audit of CWU Residence Halls**

*Madison Hart*

Form ID 335

**Educational Policies Addressing Impoverished Students: France Compared With the U.S.**

*Adelaide Palko*

Form ID 229

**SURC137B: Biological Science**

Session Chair Tricia Rabel

**Abnormal Embryonic Development in Sea Urchins Induced by DAP exposure**

*Cindy Y. Castro Murcia, Cassius Long, April Binder*

Form ID 265

**Evaluation Of Synthesized Organic Compounds For Leishmanicidal Activity**

*Jaci Johnson*

Form ID 114

**Effects of Wildfires on Pygmy Short-Horned Lizards**

*Ellie Leatherman*

Form ID 287

**SURC201: Computer Science**

Session Chair Gabrielle McNeillie

**Ant Colony Optimization Using CUDA**

*Hunter Lawrence, Andrew Struthers*

Form ID 255

**Quant Workflow: A Scientific Method for Finance**

*Mathew Thiel*

Form ID 225

**Synthetic Data Generation with General Line Coordinates for Machine Learning**

*Alice Williams*

Form ID 257

**SURC202: English & Communication**

Session Chair Kaelen Sauriol

**Problematic Language in Current Medical Descriptions of Intersexuality**

*Coy Ryan*

Form ID 161

**Subverting Victorian Values in "Dr. Jekyll and Mr. Hyde"**

*Lori Swanson*

Form ID 238

**Saltburn and Classism**

*Matti Wilson*

Form ID 179

**SURC301: Economics**

Session Chair John MacArthur

**Victim as Offender and Offender as Victim: Preferences for Justice**

*Jocelyn Cruz*

Form ID 286

**Central Washington University Student Price Index Project**

*James Gibson, Caden McNair*

Form ID 113

**Economic Analysis of Paid Family Leave in Washington State**

*Amneet Pawar, Jeremy Rexus, Maddie Shirley*

Form ID 133

## **11:30-12:00 FASHION SHOW**

SURC Pit (1<sup>st</sup> floor)

## **12:00-12:25 FASHION POSTER PRESENTATION**

Ball215C&D

### **Highland Masquerade**

*Storm Haight*

Form ID 128

### **Sassy & Classy**

*Tatum Mohagen*

Form ID 132

### **Witching Hour**

*Sami Nixon, Kelsey Sells (Model)*

Form ID 157

### **Fashion Show Design Presentation**

*Hope Pringle*

Form ID 271

### **Almas Eternas**

*Meli Rivera Garcia*

Form ID 274

### **Tulip**

*Ximena Rodriguez-Tapia*

Form ID 342

### **Simple, But Daring, Too**

*Tess Sparks*

Form ID 330

## **12:30-1:00 WELCOME LUNCH Ball215C&D**

**(Free Admission)**

## **1:00 – 1:50**

### **Ball215A: Computer Science**

Session Chair Griff Tester

#### **High-Performance Computing for Particle Production in Expanding Universes**

*Nathan Chapman*

Form ID 294

#### **Explanation of Machine Learning Models With Monotone Functions**

*Harlow Huber*

Form ID 320

#### **Multiplayer Explanation of Machine Learning Models With Visual Knowledge Discovery**

*Lincoln Huber*

Form ID 327

### **Ball215B: "SOURCE with A Purpose" by SWAP**

Session Chair Rodrigo Renteria-Valencia

#### **Fostering Student Empowerment and Community Engagement: The Impact of Student-Led SWAP Programs on Underrepresented College Student Success**

*Dylan Gilbert, Ava Pruitt, Audrey Tribble, David Torem, JeS Aiken, and Niranjana Malla*

Form ID 304

#### **From Ideas to Action: CWU SWAP Sustainability Initiatives**

*Dylan Gilbert, Niranjana Malla, Audrey Tribble*

Form ID 307

#### **Unleashing Potential: Empowering Students through Mentorship and Professional Growth**

*Dylan Gilbert, Jamie Rothwell, Meghan Rothwell*

Form ID 308

### **SURC135: Economics**

Session Chair Caleb Montgomery

#### **Sustainable Development and ESG**

*Kameron Eck*

Form ID 259

#### **Are Skilled Immigrants More Likely to Experience Occupation-Education Mismatch?**

*Betty Mittelstaedt, Tennecia Dacass, Devon Lynch, Elif B. Dilden*

Form ID 175



**The Impact of Carbon Pricing on ESG Performance and Emissions**

*Betty Mittelstaedt*

Form ID 178

**SURC137A: Family and Consumer Sciences**

Session Chair Arryn Welty

**How Distance is Related to Parent-Child Relationship Quality in College**

*Kyle Day, Matthew Worrall, Libby McClendon, Isabelle Marks*

Form ID 30

**Parent-Child Communication and Child Romantic Relationships**

*Kathryn Peck, McKenna Prouse, Grace Busenius, Nidia Marin Chavez*

Form ID 38

**The Effects of Parental Financial Assistance and the Parent-Child Relationship**

*Emma Zawadzki, Gracie Glover, Melissa Merino-Ortiz*

Form ID 34

**SURC137B: Law and Justice & Political Science**

Session Chair Kendall Smart

**Human Sexual Servitude in the United States**

*Tony Perez, Rodrigo Murataya*

Form ID 336

**A Comparative Analysis of Bail Funds**

*Dakota Red Bow*

Form ID 332

**Politics of High-Speed Rail**

*Stephen Martin*

Form ID 44

**SURC201: Film & Theatre Arts**

Session Chair John MacArthur

**Alien (1979): A Queer Allegory**

*Amy Walker*

Form ID 297

**Expenses of an Actor**

*Francesca Corso*

Form ID 314

**Broadway vs. West End: A Musical Theatre Study**

*Avery Hilt*

Form ID 231

**SURC202: Communication**

Session Chair Margaret Ortega

**Socialization Communication Storytelling**

*Logan Goodfellow*

Form ID 181

**Artificial Intelligence**

*Kayden Kim*

Form ID 180

**Barack Obama Speech**

*Sean McGee*

Form ID 182

**SURC301: Virtual Reality SOURCE Prototype by Multimodal Education Center**

Session Chair Chad Schone

**Theatre: Music**

Session Chair Volha Isakava

**World Premier of Dr. Jiyoun Chung's O.K. Boomer**

*Gregory DeArmond*

Form ID 242

## **2:00 – 2:50**

### **Ball215A: Computer Science**

Session Chair Madison VanRavenhorst

#### **Semantic Manipulation of Music**

*Jared Osborne, Adel Abdalla*

Form ID 235

#### **Adaptive NEH-NN Algorithm for Solving the Electric Vehicle Routing Problem**

*Andrew Struthers*

Form ID 236

#### **Artificial Intelligence for Generative Drug Design for HIV-1 Protease**

*Kollin Trujillo, Levente Fabry-Asztalos*

Form ID 276

### **Ball215B: Inspiring Action: Revealing CWU's Climate Change Action Plan by Sustainability Council**

Session Chair Griff Tester

### **SURC135: Information Technology and Administrative Management (ITAM)**

Session Chair Elizabeth Brown

#### **Ecophone Development and Market Research**

*Kevin Lomax, Jonah Milnor, Jaap Donker, Charles Pringle, Susan Rivera*

Form ID 204

#### **Agile Methodology in ITAM Education: A Collaborative Approach**

*Niranjana Malla*

Form ID 253

#### **3D Printing Technology vs. Traditional Methods in Housing Construction Comparison**

*Rachana Thorsten*

Form ID 277

### **SURC137A: Psychology**

Session Chair Arryn Welty

#### **Inference Differences Caused by Different Negative Facial Expressions**

*Ariel Folsom*

Form ID 194

**Gender Not Found: Genderqueer Autistics Assigned Female at Birth**

*Christina-Marie (CM) Wright*

Form ID 295

**SURC137B: Physics**

Session Chair Kendall Smart

**Evaluating the Uncertainty of the Lifetime of a Muon**

*Colton Bishop*

Form ID 202

**Design, Construction, and Characterization of a Low-Energy Electron Accelerator**

*Nic Boyles, Bobby Campbell, Christian Laurent, Chakrit Saha, Peter Zencak, Addison Wenger, Dr. Mehran Zaini*

Form ID 258

**Investigating Suitable Test Wavefunction For Variational Methods Calculations**

*Christian Laurent*

Form ID 190

**SURC201: Health Sciences & ITAM**

Session Chair John MacArthur

**Community Supported Agriculture in Kittitas County, Washington**

*Lupita Silva*

Form ID 152

**Body Mass Index Influences Function in Individuals with Plantar Fasciopathy**

*Rhodes Van Houten, Fernanda Colen Milagres Brandão, Daniel Barreto Rabelo, Sabrina Oliveira Melo, Mario Efraim Recinos Mastahinich, Roberto Zambelli, Thales Souza, Rafael Zambelli*

Form ID 89

**Space Junk Issue & the Future of Sustainability in Space Operations**

*Lester Dunn*

Form ID 317

**SURC202: Communication**

Session Chair Margaret Ortega

**Student Journalism and The Future of Multimedia Storytelling**

*Lillith Montgomery, Megan Foster, Isaac Hinson, Gunner Stuns, Yohanes Goodell, Charis Jones, Lizeth Valdes, Brandon Davis, Maddy Larsen, Gracen Bayer, Abu Agyeman, Litzy Rodriguez, Isaac Dobmeier*

Form ID 301

**My Dream Job: CBS Sports Associate News Soccer Producer**

*Taylor Sime*

Form ID 137

**Motives**

*Austin Smith*

Form ID 183

**Theatre: Music**

Session Chair Jean Marie Linhart

**Eastern Suite; or, on the Death of a Desert: Using Composition as a Tool for Climate Justice Advocacy**

*Stephen Williford*

Form ID 218

**SURC Pit (1<sup>st</sup> Floor): Manastash Volume 34 Launch and Reading Party**

## **3:00 – 3:50**

**Ball215A: CWU Peer Mentors, PALs, Tutors**

**Ball215B: Voices of Transformation: GSA Executives on Grad School Experience**  
Graduate Student Association (GSA)

**Ball215C&D: Mt Stuart Robotics Team Demonstration**

**SURC135: Computer Science & Sociology & Curriculum, Supervision, and Educational Leadership**

Session Chair John Bowen

**Racism Detection in Tweets**

*Ndjeuha Gihane*

Form ID 224

**Appropriate Blackness & The Gender Strategy of Jack Johnson**

*Olene Togiailua*

Form ID 35

**Trigeminal Neuralgia: An In-Depth Look Into the Suicide Disease**

*Angela Kyle*

Form ID 273

**SURC137A: Education, Development, Teaching, and Learning & Sport and Movement Studies**

Session Chair Yoon Kim

**Storytelling Through Movement: Using Repetition as a Tool**

*Emily Evans, Gabrielle Edmonds\*, Brigid Garrett\*, Olivia Krause\*, Madi Miller\*, Isaac Olson\*, Alison Prekeges\*, Emma Slowe\*, Kieran Smythe\*, Emma Tolmich\*, Hannah Townley\*, Anna Ward\*, Aislinn Williamson\*, Hope Worth\*, Drew Carter (Lighting Designer)*

Form ID 299

**Would You Do It All Again?**

*Hannah Townley, Sophie Blasingim\*, Livi Buck\*, Emily Evans\*, Emma Slowe\*, Kieran Smythe\*, Emma Tolmich\*, Anna Ward\*, Hope Worth\* (\*Performers/Dancers)*

Form ID 93

**SURC137B: Physics**

Session Chair YiShan Lea

**Experimental Evaluation of the Fourier Series on a Physical System**

*Lance Nicholson*

Form ID 228

**How Does a Solar Eclipse Affect Earth's Atmosphere?**

*Eli Pugsley, Elizabeth Tanner*

Form ID 162

**Total Solar Eclipse Radiation and Re-Radiation**

*Matt Ryan, Alexander Hardiman, Joseph Gabriel Burke*

Form ID 269

**SURC201: Engineering Technologies, Safety, and Construction & Mathematics**

Session Chair Boris Kovalerchuk

**IEEE Rising Stars Conference Exploratory Research**

*Austin Commons, Jeff Little, Nathan Kanz, Jay Howard*

Form ID 240

**Central Washington University Undergraduate Retention Study**

*Jace Gonzales, Ian Seibel*

Form ID 321

**Strike Out: Using At Bats to Determine on Base Percentage**

*Taryn Krumsick, Austin Saurdiff*

Form ID 254

**SURC202: Chemistry & Geological Science**

Session Chair Victoria Lauren Thomas

**Dissecting the Protein-Protein Interactions Between Emx2, Cnot6L, and QKI**

*Téa Beaulieu*

Form ID 85

**Extraction and Analysis of *Dalea candida* Metabolites**

*Ericka DuBore*

Form ID 323

**Image Analysis for Improved Mineral Separation Efficiency**

*Lynn Bauer*

Form ID 46

## **SURC301: Craft Brewing**

Poste Session & Non-alcoholic beverage tasting

### **Effect of Baked vs. Unbaked Honey in Session Mead**

*Wyatt Alford*

Form ID 247

### **Oak Barrel-Aged Perry Cider**

*Cody Barthels*

Form ID 267

### **Field to Ferment: Why Brewhouse Efficiency Matters**

*Tyler Benedict*

Form ID 245

### **How Reliable is The Mead Calculator?**

*DJ Johnson*

Form ID 223

### **Brewing a Bale Breaker Beer Without Statistical Sensory Differences**

*Miles Koons*

Form ID 243

### **Sensory Impact of Varying Dry Hop Additions in an IPA**

*Cameron Nelson*

Form ID 282

### **Prime Yeast Fermentation Environments**

*Eve Rice*

Form ID 260

## **Theatre: Music**

Session Chair Karl Lillquist

### **CWU Horn Club presents a Concert in Collage Style**

*Beaumont Fry, Alec Chinnery, Alex Coon, William Forbes (student conductor), Jordyn Gribble, Eamon Hill, Lucy Jacky, Allison Knaff, Gabrielle Kosoff, Julia McConnachie, Alex Morris, Jaime Ramos (student conductor), John Roeder, Isaac Rosado, Kellen Schuetze (student conductor), Connor Schwarz, Tori Seward, Jaeden Tellvik, Emma Trantum*

Form ID 99

## **SURC Pit (1<sup>st</sup> Floor): Recorded Presentations**