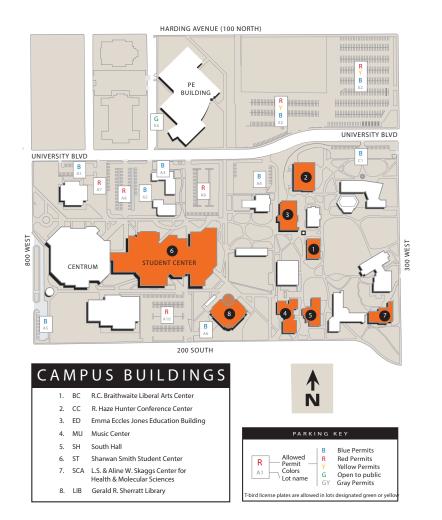


OF EXCELLENCE

# FESTIVAL OF EXCELLENCE LOCATION GUIDE





# **OPENING REMARKS**

Welcome to Southern Utah University's 2015 Festival of Excellence. I know this is going to be a great day as we share in the intrinsic talents of this remarkable campus. This is a day of learning in its truest sense. We have a robust schedule which includes presentations from over 350 SUU students, staff, faculty, and administrators, thus making it a rich opportunity not only to learn, but also to celebrate the artistic and intellectual vibrancy of the university.

With you, I look forward to embracing a day of academic excellence.

Provost Bradley J. Cook



# **OPENING SESSION**

R. Haze Hunter Conference Center - Great Hall

Master of Ceremonies: Matt Nickerson

Musical Performance: Randy Allen SUU Political Science Faculty Member

9:05-9:15	Provost Bradley J. Cook
	Alan E. Hall Innovation for Undergraduate Student Success Award

- 9:15–9:25 President Scott L. Wyatt
- 9:25–9:40 Faculty Keynote Xun Sun The Challenges of Global Culture Exchange With China
- 9:40-9:50 Student Keynote Paige Christensen
- 9:50 Dismiss for Session One, starting at 10:00

## **EVENING SESSION**

Music Center - Thorley Recital Hall

Inspiration vs. Desperation Composers: Alex Byers & Jacob Lee

5:00 p.m. Meet & Greet

#### 5:30 p.m. Performance

The recital will consist of 8 original pieces composed by senior, undergraduate students, Alex Byers and Jacob Lee. These pieces were composed over the course of their studies at SUU and will feature faculty and students of the university. In addition to the performances, the composers will provide brief introductions to the process, concept, and inspiration of each piece. Through personal narratives and perspectives, Byers and Lee hope to create an honest discussion about musical composition and the influence deadlines and coursework have on the creative process.

# SPECIAL THANKS

The Festival of Excellence has been established to celebrate scholarly activity across disciplines within Southern Utah University. This event showcases our many talented faculty, staff, and student participants creating an interdisciplinary learning environment. I'd like to express appreciation to the following for continued support and commitment to this program.

McKennan Hansen Festival of Excellence Committee Chair

#### FESTIVAL OF EXCELLENCE 2015 COMMITTEE MEMBERS

#### **Committee Members**

Bradley J. Cook, Provost James Sage, Associate Provost Aimee Uchman, Executive Assistant to the Provost Julia Anderson, Director of SPARC Johnny MacLean, Academic Chair Barbara Rodriguez, Volunteer Chair Betsy Bancroft, UGRASP Jennifer Hunter, Equipment & Rooms Dion Munk, Information Technology Jessica Gerlach, Program Design Erica Olpin, SUUSA Jacob Ward, Web Design

#### Academic Subcommittee

Briget Eastep, UNIV Bruce Haslem, BUS Carrie Trenholm, COED Garrett Strosser, HSS Megan Brunsvold, CPVA Nathan Werner, COSE

#### **Program Design Team**

Chelsea Howells Karen Shelley Kaycee Chambers

#### Festival of Excellence 2015 Faculty/Staff Mentors

Alan Pearson Amber McConnell Anthony Pellegrini Artis Grady Ben Sowards Bradlev J. Cook Bradley Gregory Brian Ludlow Bridget Eastep Britt Mace Bruce Howard Cecilia Weingartner Cecily Heiner Chris Monson Christina Manning Christine Taylor Cindy Wright Daniel Hatch David Maxwell David Ward Donna Lister Fredric Govedich Garrett Strosser Jacqualine Grant Jason Kaiser Jayci Bash Jennifer Hargrave

Jessica Tvordi Jianlong Han Jim Harrison lim Mock Jon Karpel Ion Smith Ionathan Holiman Joshua Price Julia Combs Julie Tavlor Kay Andersen Keith Bradshaw Kim Weaver Kyle Bishop Lark Hovey Larry Ping Laurie Mauger Lisa Arter Lvnn White Mackay Steffensen Marv Jo Tufte Matt Barton Matt Schmidt Matthew Weeg Megan Brunsvold Michael Ostrowsky Michael Stathis

Nathan Werner Nozomi Irei Patricia Keehley Patricia Meredith Patrick Clarke Phil Roche Rebecca Rasmusson Richard Cozzens Rita Osborn Rob Robertson Russell Wrankle Sage Platt Said Bahi Sean Heiner Shalini Kesar Shih-Ming (Howard) Hu Steve Barney Todd Petersen Tv Redd Tyler Stillman William Heyborne Wynne Summers

# FESTIVAL OF EXCELLENCE HONOR ROLL

Students presenting at the Festival of Excellence are eligible to be recognized for the quality of their project by their College Dean. Nomination to the Festival of Excellence Honor Roll signifies the presenter's expertise in their discipline and personal responsibility. 10 to 15 students will be awarded \$150 SUU Bookstore Scholarships.

# PASSPORT PRIZES

A Passport is a way for students to be involved with multiple presentation areas throughout the day. By attending session lectures, performances, and displays, a passport card is marked, by a sticker, at the conclusion of each session. **All Passports need to be turned in at the Sharwan Smith Student Center Rotunda by 4:30 p.m. to be considered in the drawing.** Passports will be drawn for prizes at the Evening Session Performance, held in the MU-Thorley Recital Hall.

# ALAN E. HALL INNOVATION FOR UNDERGRADUATE STUDENT SUCCESS AWARD

This is an award given every other year to one faculty or staff member or collaborative team of people at each of the eight Utah System of Higher Education (USHE) institutions who have a clearly identified and well-conceived innovative strategy they wish to implement that leads to undergraduate student success. The goal is to reward an innovative strategy leading to student success that is likely to be highly effective and replicable and which can be launched, augmented or advanced with an investment of \$5,000.

Parker Grimes was the recipient of the 2015 Alan E. Hall Innovation for Undergraduate Student Success Award. Through this award, Parker will be able to add new dimensions to SUU's student early alert system, called SANS (Student Assessment Notification System), which will involve machine learning and predictive analytics to identify students who need help.

# DAY AT A GLANCE

9:00 – 9:50 a.m.	Opening Session	
	R. Haze Hunter Conference Center - Great Hall	
10:00 – 11:00 a.m.	Session 1	
11:15 a.m. – 12:15 p.m.	Session 2	
1:30 – 2:30 p.m.	Session 3	
2:45 – 3:45 p.m.	Session 4	
4:00 – 4:45 p.m.	Special Percussion Performance	
	Music Center - Thorley Recital Hall	
5:30 – 7:00 p.m.	Closing Session	
	Music Center - Thorley Recital Hall	

# ALL DAY EVENTS

MFA/Sr. BFA Portfolio Display (BC-Braithwaite Gallery)\*

Ceramic Display (ST-Ballroom)\*

EDGE Center (ST-205)\*

Frehner Museum of Natural History (SCA-105A)\*

Special Collections Display (LIB-000)\*

Pecha Kucha Presentations (ST-Entertainment Bureau)

Comm 1010 Speech Competition/Student Film Makers (ST-Sterling Church, 11:00am - 4:00pm)

\*Indicates Passport Credit for Attendance of an "All Day Event"

# ORAL PRESENTATIONS

Listed by Category Presentation ID#: 001-159



# COMMUNITY ENGAGEMENT

## SESSION ONE

ED 205 10:00-11:00

- **001 Building a Culture of Engagement at SUU** *Earl Mulderink,* 10:00–10:15
- **002** Beneficial Medical Service and Surveys in Nicaragua Miranda Roland, 10:15–10:30
- **003** Volunteerism is Not For You Johnny Oh, 10:30–10:45
- **004** All I Really Need to Know about Writing I Learned in the 4th Grade: University and 4th Grade Writing Buddies Julia Combs, 10:45–11:00

## SESSION TWO

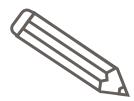
ED 205 11:15-12:15

- **005** Tell Me Your Story: How to Conduct an Oral History Project Paula Mitchell, 11:15–11:30
- **006** Hands-on Analytical Chemistry: Environmental Water Testing Success Stories Daniel Eves, 11:30–11:45

- **007** Changing Water Governance in the US Andrew Van Alstyne, 11:45–12:00
- **008 Professional Development in Student Services** Jennifer Sorenson, 12:00–12:15

SESSION THREE ED 205 1:30-2:30

- **009 Planes, Trains, and Fish? A Case Study in Science Education** Jacqualine Grant, 1:30–1:45
- 010 Standards, Practical Interventions, and Community Needs: Triangulating Factors in Meeting the Needs of our Community and Institution *Tony Pellegrini*, 1:45–2:00
- **011** The Illusion of Mutually Exclusive: The Danger of False Dichotomies and How Interdisciplinary Studies Can Help Joseph Garrard, 2:00–2:15
- 012 A Philosophical Approach to Socioeconomic Status Influencing Student Success Kaleigh Bronson, 2:15–2:30



# CREATIVE EXPRESSION

## SESSION ONE CC-CHARLES HUNTER 10:00-11:00

- **014** Journey Through the Long White Cloud Asher Swan, 10:00–10:15
- **015** Parallel Play: Art, Design and Environmental Science Collaborations Jessica Gerlach, 10:15–10:30
- **016** Analog Music Synthesizers, How to Make that Amazing Sound *Thomas McFarland*, 10:30–10:45
- 017 Atalanta's Sisters: "The Sisters of Atalanta in Fin-de-Siècle Art" Andrew Marvick, 10:45–11:00

# SESSION TWO

#### CC-CHARLES HUNTER 11:15-12:15

- **018** A Study in Adaptation: Rediscovering Sherlock Holmes Charla Strosser, 11:15–11:30
- **019** Speaking without Speech: Hush, Hush, and Touch *Saskia Koch*, 11:30–11:45
- **020** Moving With The Times Alicia Husselbee, 11:45–12:00

**021 One Perception to Rule Them All: Friedrich Nietzsche's Theory with J.R.R. Tolkien's The Lord of the Rings** *Megan Fairbanks*, 12:00–12:15

# SESSION THREE CC-CHARLES HUNTER 1:30-2:30

- **022** Stories Never Told: A Biography of Ivan Balint-Kolozsvari Christopher Jones, 1:30–1:45
- **023** Framers vs. Explorers: How Students and Educators Can Capitalize on Individual Writing Processes Amanda Mills, 1:45–2:00
- **024** Bridge or Canary? The Puzzling Case of Du Fu Bryce Christensen, 2:00–2:15
- **025** I Came, I Saw, but I did not Conquer: Humiliating Patriarchy and Reconfiguring Voyeurism in Mike Leigh's Naked *Chris Christiansen*, 2:15–2:30

## SESSION FOUR CC-CHARLES HUNTER 2:45-3:45

- **026** The Umbrella Kenneth Ayers, 2:45–3:00
- **027 Dogs** *Devin Willie*, 3:00–3:15
- **028** Design Yourself! The Genius of Excellence Deborah Snider, 3:15–3:30
- **029** Express Yourself: Legal Issues Regarding the Right of Free Speech for Students *Emily Rounds Baldwin*, 3:30–3:45

ED 205 2:45-3:45

**013** Drift Migration Danielle Dubrasky, 2:45–3:45



# DIGITAL & INFORMATION LITERACY IN A TECHNOLOGICAL WORLD

## SESSION ONE

#### ED 203 10:00-11:00

- **030** Before Facebook & Twitter: Victorian Social Media *Kurt Harris,* 10:00–10:15
- **031** Forensics of Credit Card Fraud *Greg Davis*, 10:15–10:30
- 032 How Canvas Got Hacked Brance Boren, 10:30–10:45
- **033** SUU Post Office: Lost and Found System Bryan Wilbur, 10:45–11:00

## SESSION TWO

ED 203 11:15-12:15

- **034** What's Hot in Intellectual Freedom *Phil Roche*, 11:15–11:30
- **035** Using Rubrics to Improve Online Student Learning Jennifer Hunter, 11:30–11:45

**037** ePortfolio: How to Effectively Market Students for Success in Their Chosen Field *Kaleigh Bronson*, 12:00–12:15

## SESSION THREE ED 203 1:30-2:30

- **038** The Last of Us and Mycological Zombies: The Digital Evolution of the Walking Dead *Kyle Bishop*, 1:30–1:45
- **039 Tablet Technology in Early Childhood** *Rea Gubler,* 1:45–2:00
- **040** Students' Attitudes Towards Mobile Learning and Mobile Device Usage in the U.S. and Israel Universities Michiko Kobayashi, 2:00–2:15
- 041 Autonomy, Collaboration, and Feedback through Technology-Enhanced Modeling Lark Hovey, 2:15–2:30

## SESSION FOUR

ED 203 2:45-3:45

- **042 Competency-Based Education at a Traditional University** *Mark Atkinson*, 2:45–3:00
- **043** Management of Information Security Breaches: Awareness, Training and Education *Shalini Kesar*, 3:00–3:15
- **044** Engaging Generation Y in a Technology Driven Environment Roger LaMarca, 3:15–3:30
- **045** Grammar Guide: A Collection of Commonly Misused & Mispelled Words *Jamie Jarvis*, 3:30–3:45



# GLOBAL SCHOLARSHIP

## SESSION ONE CC-SHOOTING STAR 10:00-11:00

- 046 ISIS and the Middle East G. Michael Stathis, 10:00–10:15
- **047** Minorities of the Arab World Kholoud Al-Qubbaj, 10:15–10:30
- **048** Accepting Responsibility: Genre Analysis and Social Issues *Lark Hovey*, 10:30–10:45
- **049** Fathering in the U.K., USA, Scandinavia, & Australia *David Shwalb*, 10:45–11:00

# SESSION TWO

#### **CC-SHOOTING STAR** 11:15–12:15

- **050** Learning through Living: Studying The Lord of the Rings in New Zealand *Mandy Jones*, 11:15–11:30
- **051** Helen Foster Snow and her Utah Zeitgeist Bradley J. Cook, 11:30–11:45
- **052** Higher Education for Pacific Islander Students *Tevita Sekeni*, 11:45–12:00

**053** From Utah to Africa *Kelli Bowles*, 12:00–12:15

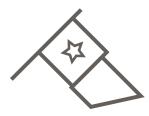
## SESSION THREE CC-SHOOTING STAR 1:30-2:30

- 054 Insight Dubai Conference Elisa Black, 1:30–1:45
- **055** The Three Stooges: Cultural Causes of Academic Bumbles for Korean International Students *Johnny Oh*, 1:45–2:00
- **056** Le Témoignage de Brigitte Benkemoun: Une mémoire recomposée *Rosa A. Perez*, 2:00–2:15
- **057** Nietzsche and Wagner: A Failed Friendship James Harrison, 2:15–2:30

SESSION FOUR CC-SHOOTING STAR 2:45-3:45

058 Contemporary Latin American Narrative Iliana Portaro, 2:45–3:45





LEADERSHIP & ENTREPRENEURSHIP

#### SESSION ONE CC-YANKEE MEADOWS 10:00-11:00

- **059** SUU Forensic Team Redux Merrell Heaton, 10:00–10:15
- **060 Exploring the Grand Canyon on the Colorado River** Jacob Manning, 10:15–10:30
- **061** The Sustainable Revolution Brennan Morgan, 10:30–10:45
- **062 SUU Center for STEM Teaching and Learning: An Introduction** *William Heyborne*, 10:45–11:00

#### SESSION TWO

#### CC-YANKEE MEADOWS 11:15-12:15

- **063 SUU Women and Gender Studies Program** *Victoria Schofield*, 11:15–11:30
- **064** LGBTQ in Utah: An Analysis of the Experience of Youth Homelessness Sarah Braun, 11:30–11:45
- **065** Practical Applications of Life-Saving Operations and Procedures using Cadavers as a Training Medium Jared Wilson. 11:45–12:00

**066** Wish Upon a Star: How the Writing Center Makes Dreams Come True *Naomi White*, 12:00–12:15

## SESSION THREE CC-YANKEE MEADOWS 1:30-2:30

- **067** Pay Secrecy: Legal, Policy, and Practice Issues for Employers Gerald Calvasina, 1:30–1:45
- **068** The Foreign Policies of Bush and Obama Ciara Jackson, 1:45–2:00
- **069** Who are ALEC and the Kochs and How Do They Influence Utah Public Policies? *Patricia Paystrup*, 2:00–2:15
- **070 An Analysis of the Inflation Rate of the United States** *Steve Evans*, 2:15–2:30

## SESSION FOUR CC-YANKEE MEADOWS 2:45-3:45

- **071** Remembering an Iron County Hero: The Afterlife of Alma Richards *Dave Lunt*, 2:45–3:00
- 072 What's the Big Deal about Bitcoin? Angela Pool-Funai, 3:00-3:15
- **073** A New Verdict on the Reputation Costs of Corporate Litigation *Bruce Haslem*, 3:15–3:30
- **074** Change When Change is Hard John Taylor, 3:30–3:45



# SCHOLARSHIP IN THE OUTDOORS

### SESSION ONE CC-VERMILLION CLIFFS 10:00-11:00

- **075** Measuring Cations in Coal Creek Madeline Gleave, 10:00–10:15
- **076** Southern Utah University Water Laboratory: A Working Model of Peer Mentorship *Ty Redd*, 10:15–10:30
- **077** Analysis of Mercury Concentration by ICP-MS in Various Fish Tissues Collected in Southern Utah Mason Valentine, 10:30–10:45
- **078** Discovering Soundscapes: Noise Levels at Grand Staircase Escalante National Monument Stuart Clements, 10:45–11:00

## SESSION TWO CC-VERMILLION CLIFFS 11:15–12:15

**079** The Chemical Characterization of Coal Creek Scott Potter, 11:15–11:30

- **080** Monitoring the Destruction and Natural Recovery of a Monsoon-Dominated Stream System After a Wildfire Damages its Watershed, Stout Canyon Utah Peter Christensen, 11:30–11:45
- **081** Structural Geology Course Objective: Publish Your Research Johnny MacLean, 11:45–12:00
- 082 How to Leave the Solar System Gary Flandro, 12:00–12:15

# SESSION THREE

#### CC-VERMILLION CLIFFS 1:30-2:30

- **083** The Effects of Umbellularia californica Essential Oil on the Cutaneous Vasculature of Frogs *Stephan Maman*, 1:30–1:45
- **084** Anatomical Plasticity of an Invasive Plant Species (Salsola tragus, Amaranthaceae) Growing in Varying Substrates and Its Correlation to Molecular and Physiological Differences Mary Fulton, 1:45–2:00
- **085** Geology in Our Backyard: Teaching Practical Field Methods Jennifer Hargrave, 2:00–2:15
- **086** Fossil Coral from the Mississippian Redwall Limestone in the Beaver Dam Mountains, Washington County, Utah Devin McLemore, 2:15–2:30

SESSION FOUR CC-VERMILLION CLIFFS 2:45-3:45

**087** Coral Reefs of San Salvador Island, the Bahamas: A Panel of Experiential Biology and Geology *Jennifer Hargrave*, 2:45–3:45



# SCHOLARSHIP TO INCREASE OUR PHYSICAL & MENTAL WELL-BEING

# SESSION ONE

- **1A ED 102** 10:00–11:00
- **104 Predicting Survival Duration for Diabetics** *Chris Christiansen*, 10:00–10:15
- **105** The Effect of High and Low Glycemic Food Smells and Sights on Blood Glucose

*Aferdit Sadrija*, 10:15–10:30

- **106** An Apple a Day Gets an EDGE Project Done Amber DeSormeau, 10:30–10:45
- **107** Wellness as a Way To Elevate College Success Melanee Mariner, 10:45–11:00
- **1B ED 115** 10:00–11:00
- **088 Basic Ideas About the Common Core** Bryan Bradford, 10:00–10:15
- **089** Promoting a Unified Understanding of Number in the Middle School Classroom *Roger Fischer*, 10:15–10:30

090 Myths, Lies and Half-Truths Threaten Children and Undermin Public Education in Utah

Lee Montgomery, 10:30-10:45

091 Rational Numbers and the Common Core State Standards: A Descriptive Case Study Roger Fischer, 10:45–11:00

# SESSION TWO

**2A – ED 102** 11:15–12:15

- **108** The Reliability of the Marital Scales: Normative Data for a Group of Little People Rachel Stephenson, 11:15–11:30
- **109** A Comparison of Stress between Military and Civilian Populations *Brett Caldwell*, 11:30–11:45
- **110** The Star Wars Saga Bob Ogie, 11:45–12:00
- **111** The Role of the Subjective Norm in Attitude Expression and Behavioral Intentions Towards Atheists and Religious Believers *Garrett Strosser*, 12:00–12:15
- **2B ED 115** 11:15–12:15
- **092** Mindfulness and Student Engagement Eric Morrow, 11:15–11:30
- **093** Searching for Predictors of Grit Kelton Whittaker, 11:30–11:45
- **094** So You Think You're Funny: Using Humor and Other Strategies to Help Native and Non-native Speakers Move Past Writing Anxiety *Kaeli Madsen*, 11:45–12:00
- **095** Similarities and Personality Differences Between Practicing Teachers and Pre-Service Education Students *Jim McCoy*, 12:00–12:15

# SESSION THREE

**3A – ED 102** 1:30–2:30

- **112** Role of the Kappa Opioid Receptor System in Behavioral Response to Stress and Anxiety in Ethanol Dependent C57BL/6J Mice Bradley Meyer, 1:30–1:45
- **113 Effect of Acetaminophen Drug Combinations on Catalase Activity in Mouse Liver Cells** *Emily James*, 1:45–2:00
- **114** Anion Detection in Coal Creek Leen Samha, 2:00–2:15
- **115** Potential of Fenugreek to Improve Blood Lipids: An SUU Pilot Study *Abigail Larson*, 2:15–2:30
- **3B ED 115** 1:30–2:30
- **096** Methods of Acquiring and Implementing Nutrition Information for Children *Alyssa Brown*, 1:30–1:45
- **097 Representations of Autism in Popular Television** *Todd Mack*, 1:45–2:00
- 098 Counting: As Easy as 1-2-6 Emma Schafer, 2:00-2:15
- **099** International Student Recruitment Strategy and Policy Analysis *Ling Yu*, 2:15–2:30

# SESSION FOUR

**4A – ED 102** 2:45-3:45

- **116** Ball Don't Lie Gentry Julian, 2:45–3:00
- **117** Body Composition and Metabolic Health of SUU Football Players *Abigail Larson*, 3:00–3:15
- **118** Road to the Healthier Me Raeli Masina, 3:15–3:30
- **119** Verification and Validation of a Database Management Course *Nasser Tadayon*, 3:30–3:45
- **4B ED 115** 2:45–3:45
- **100** Astronomy Agencies and the Growth of Citizen Science *Leesa Ricci*, 2:45–3:00
- **101 The Word Anasazi—Offensive and Inaccurate** *Connie Childs*, 3:00–3:15
- **102** Nontraditional Students at SUU: What Services Do Students Want? *Marci Miller*, 3:15–3:30
- **103** Dean's List for Graduate Students Derek Higgs, 3:30–3:45



# INNOVATION IN SPECIALIZED DISCIPLINES

## SESSION ONE

#### **1A – ED 104** 10:00–11:00

- **152** Supported Lipid Bilayer Removal by Buffer Flow Mason Valentine, 10:00–10:15
- **153** Determination of Plasticizers of Water Stored in Various Plastics *Matthew B. Prater*, 10:15–10:30
- **154 Egyptian Fractions and Practical Numbers** *Andreas Weingartner*, 10:30–10:45
- **155** Determination of Cholesterol, Squalene, and Lynestrenol in Ear Wax Sacha Toussaint, 10:45–11:00
- **1B ED 202** 10:00-11:00
- 120 Want to Understand Shakespeare's Plays? Read Comics Joy Sterrantino, 10:00–10:15
- **121** Arguing Divorce in Favor of Marriage: The Ties that Bind Deena Marchal, 10:15–10:30
- **122** Mission Possible: Breaking Boundaries between Writers in the Disciplines Jared Vanhille, 10:30–10:45

- **123** Writing Styles: Organized vs. Organic *Alauna Erickson*, 10:45–11:00
- **1C ED 215** 10:00–11:00
- **136** Bioaccumulation of Platinum Group Metals in Roadside Foliage Spencer Budd, 10:00–10:15
- **137** Microfluidic Development at SUU: Faster, Cheaper, More Portable Chemistry *Chris Monson*, 10:15–10:30
- **138** pH Sensitive Silver Nanoparticle Synthesis Facilitated by Microfluidic Devices Sacha Toussaint, 10:30–10:45
- **139 Guiding Students towards Language Proficiency** *Elise Leahy,* 10:45–11:00

# SESSION TWO

2A – ED 104 11:15-12:15

- **156** Implementing Project-based Learning in the ESL Classroom Yasmin Motasim, 11:15–11:30
- **157** You Just had to be There: What Experiential Education Students Get That Other Students Miss Out On Amanda Wilcock, 11:30–11:45
- **158** Rocking Your Classes: Using Case Studies to Introduce Topics Jonathan Karpel, 11:45–12:00
- **159** Seminar: A Part of a Balanced Educational Breakfast Amanda Wilcock, 12:00–12:15
- **2B ED 202** 11:15–12:15
- **124** Yet Another Paper on Descartes's Argument for Mind-Body Dualism *Kristopher Phillips*, 11:15–11:30

- **125** The Influence of Conservative and Liberal Messages on Political Ideology *Matthew Christiansen*, 11:30–11:45
- **126** The Cumulative Apologia: Curriculum Integration and Program Evaluation *Rachel Bishop*, 11:45–12:00
- **127** Value in Relation to Morality *Sam Cook*, 12:00–12:15
- 2C ED 215 11:15-12:15
- **140** A Convergent Numerical Scheme for a Reaction-Diffusion System *Jianlong Han*, 11:15–11:30
- **141** Electronic Transitions of Cyclic Molecules Matthew B. Prater, 11:30–11:45
- **142** Applications of Representation Theory Andrew Misseldine, 11:45–12:00
- **143** Study the Stability of Steady Solutions for a Model of Mutualism *Amy Gifford*, 12:00–12:15

## SESSION THREE

**3A – ED 202** 1:30–2:30

- **128** Children's Perceptions of Gender Lisa Arter, 1:30–1:45
- 129 The Kentucky Democratic Society and the Geography of Political Opposition in the Early Republic Michelle Orihel, 1:45–2:00
- **130** Early Economics Will Sherman, 2:00–2:15
- **131 Human Connection Through Service** *Amanda Bello*, 2:15–2:30
- **3B ED 215** 1:30–2:30
- **144** A Finite Difference Scheme for an Ising Spin System Equation with Kac Potential *Seth Armstrong*, 1:30–1:45

- **145** The Divisibility of p^(n)-1 for p>5, p a prime number Jason Adams, 1:45–2:00
- **146** Migration of Lipids in a Supported Lipid Bilayer: Improving Drugs in 1D *Maci Winn*, 2:00–2:15
- 147 Growth Series for Rooted Trees Eric Freden, 2:15–2:30

### SESSION FOUR

**4A – ED 202** 2:45-3:45

- **132** Current Production Practices of Rep Platforming Brian Swanson, 2:45–3:00
- 133 Architectural Visualization Nick Hammer, 3:00–3:15
- **134** Integrating the Arts in the Elementary Classroom: A Working Model Denise Purvis, 3:15–3:30
- 135 Synthesis of Bis(4-pyridyl)acetylene for an Organic Based

Magnetic Sacha Toussaint, 3:30–3:45

- **4B ED 215** 2:45-3:45
- **148 POD: Enriching Interlibrary Loan for Today's Patrons** *Loralyn Felix*, 2:45–3:00
- 149 Why Do We Laugh at That?: An Examination of the Relationship between Professor Authority and Student Perception *Mckay West*, 3:00–3:15
- **150 The EDGE Tracker: What You Need to Know** *Patrick Clarke*, 3:15–3:30
- **151** Ferrofluids: An Education in Chemistry Beau Condie,

# POSTER PRESENTATIONS

Presentation ID#: 160-281

- **160** English Honor Society Allison Borzoni, 10:00–11:00
- **161** Major Decisions Julia Craft, 11:15–12:15
- **162** The Effects of Fentanyl in Epidurals on an Infant's Ability to Breast Feed Chantel Crouch, 1:30–2:30
- **163 Why Do College Students Skip Class?** *Bryly Evans*, 2:45–3:45
- **164** Poetry as Trauma Therapy Tristen Fagg, 2:45–3:45
- **165** What Women Want: Fulfilling Nutritional Needs for Young Women *Cristina Lopez*, 10:00–11:00
- **166** Can I Have Your Number? *Kevin Martin*, 11:15–12:15
- **167** The Root Collective Cassidy McClellan, 1:30–2:30
- **168** Care Transitioning Katherine McCrosky, 2:45–3:45
- **169** The Presidency of Barack Obama: A Success or a Failure? *Matt Mercado*, 10:00–11:00
- **170** How Does the "College Life" Affect Procrastination Habits? Sean Militscher, 11:15–12:15
- **171** Chronic Wasting Disease Devin Monroe, 1:30–2:30
- **172** The Development of the SUU Library Café: A Preliminary Study Erica Nielsen, 2:45–3:45
- **173 Harry Potter vs. Hunger Games** *Michael Richards*, 10:00–11:00
- **174 Condom Education and STI Prevention** *Kelci Simmons,* 11:15–12:15
- **175** Cedar City Parkinson's 5K Danielle Snow, 1:30–2:30

- **176** Impact of Cultural Immersion Trips on Pre-Health Students at Southern Utah University Erin Stone, 2:45–3:45
- **177** How We Get To School David Walker, 10:00–11:00
- 178 SUU StoryTime Sarena Masco, 11:15–12:15
- **179** Watch Out For White Coat Hypertension Mohammed Algahtani, 1:30–2:30
- **180** Kolob Canyon Review Tristen Fagg, 11:15–12:15
- **181** Hair Dynamics Ali Johnson, 2:45–3:45
- **182** The Spirit of the Forest Ann Middleton, 10:00–11:00
- **183 Color Communication in Varied Cultures** JungYun Son, 11:15–12:15
- **184 Construction of a Gel Imaging System** *Alell Swenson*, 1:30–2:30
- **185** Are You Protected? Ryan Allphin, 2:45–3:45
- **186** Cyber Crimes Abdulaziz Alnughaymish, 10:00–11:00
- **187** e-Assurances Ahmed Alshammari, 11:15–12:15
- **188 Do's and Don'ts of Computer Ethics** *Alex Boehmer*, 1:30–2:30
- **189** Self-Conscious Emotions and Digital Devices Andrew Christensen, 2:45–3:45
- **190** Cell Phone Preference Among SUU Students *Cameron Cooper*, 10:00–11:00
- **191 Data Mining: Building Better Bug Messages** *Mindy DeWaal,* 11:15–12:15
- **192** Waves of Computer Crime Shea Esplin, 1:30–2:30

- **193** Securing Your Future With Security: Careers in Security *Randy Ramboz*, 2:45–3:45
- **194** Computing for a Cure: Why Mammogram Rates in Utah are Lower than the National Average Noralynn Valletta, 10:00–11:00
- **195** Dis–Floccinaucinihilipilificating the Benefits of Hacking Jacob Ward, 11:15–12:15
- **196** Insight Dubai—The Experience Kortney Clements, 1:30–2:30
- **197** Global Change and the American Southwest John Murray, 2:45–3:45
- **198** Journey to Japan Markie Nelson, 10:00–11:00
- **199** Right Message at Right Place: Investigating the Effectiveness of Location-based Mobile Advertising on Consumers' Redemption Responses Dezhi Wu, 11:15–12:15
- **200 Helen Foster Snow: A Great Cedar City Native** *Xiling Yuan,* 1:30–2:30
- **201** #Nepal2015 Chelsea Smith, 2:45–3:45
- 202 Exploratory Analysis of Western Hognose (Heterodon nasicus) Venom Michael Adams, 10:00–11:00
- **203** Genetic Superhumans Andrew Carlson, 11:15–12:15
- **204** The Fouls of Waterfowl Migration Brian Chappell, 1:30–2:30
- **205** Quality TICE Curriculum Defined Richard Cozzens, 2:45–3:45

- 206 Population Genetics and Paternity of Tent Caterpillars (Malacosoma californicum) in Southern Utah Stacy Craft, 10:00–11:00
- **207** Gene Therapy and Organ Transplantation *Hayden Crane*, 11:15–12:15
- 208 The Use of Ancient DNA and eDNA in the Identification, Sequencing and Cloning of an Organism's Genome: A Quantitative Literature Review Brandon Crosby, 1:30–2:30
- **209** Building a Transilluminator Emily Eames, 2:45–3:45
- **210** Revision of Colossendeis colossea Wilson, 1881 *Coral Gardner*, 10:00–11:00
- 211 Patterning Supported Lipid Bilayers with Magnetic Tweezers Madeline Gleave, 1:30–2:30
- **212** Microfluidic DNA Analysis: Making CSI a Reality *Allison Hadley*, 11:15–12:15
- 213 Can Western Hog-nosed Snakes (Heterodon nasicus) Learn to Prefer a Diet Outside of their Dietary Specialty? *Brandy Holm*, 1:30–2:30
- **214** Epigenetics and Their Effect on Male Infertility Haley Hunt, 2:45–3:45
- **215 Comparison of LED vs UV Gel Imager Clarity** *Matz Indergard*, 10:00–11:00
- **216** The Effects of Terpenoids from Umbellularia californica on Frog Blood Vessel Diameter Bodrie Jensen, 11:15–12:15
- 217 An Analysis of Stereoscopic 3D Geological Mapping Methods Using Cardinal and Esri Systems

Genevieve C. Kidman, 1:30-2:30

- **218** Parking Permits are Expensive?!? Hailey Kinder, 2:45–3:45
- **219** Changes in Water Chemistry in Cedar City Irrigation Systems *Donald Long*, 10:00–11:00
- **220** Population Genetics of Ringtails, Bassariscus astustus, in Southern Utah *Laurie Mauger*, 11:15–12:15
- 221 Modern Genetic Evolution Sidney Maxey, 1:30–2:30
- **222 A Novel Method for Copper Nanoparticle Synthesis** Samantha McKay, 1:30–2:30
- **223** A Microfluidic Device for Oxygen Quantitation in Anoxic Waters Samantha McKay, 10:00–11:00
- **224** Selective Oxidation Through Beta C-H Activation Matthew Prater, 2:45–3:45
- 225 Hybridization of Native Vulpes macrotis and Urocyon cinereoargenteus with Invasive Vulpes vulpes in Southern Utah Kiristin Ranson, 10:00–11:00
- 226 Microfluidic Pseudocapillary Columns: The Next Step in Protein Filtration Christopher Reynolds, 11:15–12:15
- 227 Interactions of Protein Components within Caenorhabditis elegans Spliceosome Miranda Roland, 1:30–2:30
- **228** Domestic Violence Amongst Indigenous Women Brianna Collins, 1:30–2:30
- **229** Chemical Elements in the Quran *Hussein Samha*, 2:45–3:45
- **230** Applications of the Enzyme Phospholipase A2 Joshua Sigg, 10:00–11:00

- **231** Magnesium Wire Templated Microfluidic Construction Tyson Torgersen, 11:15–12:15
- 232 A Quantitative Literature Review on Carnivore Population Genetic Sampling Methods and Analysis Sydney Townsend, 1:30–2:30
- 233 Synthesis, Analysis, and Biological Activity of Novel Organoarsenic Compounds Jared Weaver, 2:45–3:45
- 234 Dragster Analysis David Weldon, 10:00–11:00
- **235** Empowering Students in Higher Education and Student Affairs *Meskerem Wollebo*, 11:15–12:15
- **236 The Impact of Modern Farming Practices on Molybdenum's Subsurface Distribution** *Rhiannon Garrard,* 2:45–3:45
- 237 Integrated, Field-Based Student Research in Volcanic Fields of Southern Utah: Volcanology In and Out of the Classroom Jason Kaiser, 10:00–11:00
- **238** Tracing the Impact of Leave No Trace in Southwest Wilderness and Wildlands *Briget Eastep*, 11:15–12:15
- **239** Using Hexoskin Wearable Technology to Obtain Body Metrics in a Trail Hiking Setting Jacob Manning, 11:15–12:15
- 240 Improving Physical Health of Truck Drivers Through Occupational and Physical Therapy Techniques *Rachael Ballenger*, 10:00–11:00
- 241 Food Safety: Knowledge vs. Practice in a College Age Population Nathan Barnhurst, 11:15–12:15
- 242 Quantitative Literature Review of Genetic Markers Impacting Mental Disorders Bryan Brimhall, 1:30–2:30

- 243 Skin Cancer Prevention in Outdoor Athletes Amelia Brown, 2:45–3:45
- 244 Energy Expenditure/Consumption, Hydration Status, and Nutrition-Related Knowledge and Behaviors of Cross Country Athletes Aubrey Bryson, 10:00–11:00
- 245 Hydration Status of Division 1 Collegiate Football Players during Summer Two-a-day Training Alathia Burnside, 11:15–12:15
- 246 Genetic Markers Linking Smoking to Psychological and Physical Disorders *Kevin Cannon*, 1:30–2:30
- 247 A Review of the Workshop, "Molly Kellogg's Counseling Intensive" held in Dallas, TX June 6–7, 2014 Nica Clark, 2:45–3:45
- 248 Because She's on the Track Teams, She's not Fat, Unhealthy, Lazy, etc.: A Social Cognitive Bias in Health–Related Person Perception Evaluations of a Female *Grant Corser*, 10:00–11:00
- 249 Does Dr. Oz Know What He is Talking About? A Content Analysis of the Dr Oz Show Jessica Elliott, 11:15–12:15
- **250** Variables of Credit Hours Taken McKay Ericsson, 1:30–2:30
- **251** Literature Review of Genetic Treatments for Breast Cancer Austin Gallyer, 2:45–3:45
- 252 Feeling Good? We Know Why! Jose Gonzalez, 10:00–11:00
- **253** Body Image Among Female Collegiate Athletes at Southern Utah University *Artis Grady*, 11:15–12:15
- **254** The Effect of Dietary Fat Content on Mood and Global Well-Being Nathan Jacquez, 1:30–2:30

- **255** The Effect of Education on Hydration Status of ROTC Cadets at Southern Utah University Lacie Jonas, 2:45–3:45
- 256 Childhood Food Experiences with Regard to Food Rewards and Punishments *Brooke Jorgensen*, 1:30–2:30
- **257** Does Diurnal Variation Influence EPOC? Brooke Jorgensen, 10:00–11:00
- 258 Eating Yourself Healthy Aaron Lawley, 10:00–11:00
- 259 Synthesis of Antibiotics by Palladium Catalyzed Cross-Coupling of in situ Generated Secondary Amines Elias Leavitt, 11:15–12:15
- 260 Evaluation of the Stereochemical Selectivity of the Nucleophilic Addition Reaction of the Menthylmagnesium Chloride Grignard Reagent with Electrophiles *Rebecca Maedgen*, 1:30–2:30
- 261 Lowering Symptoms of Depression Through Exercise and Mindfulness Interventions Spencer Magleby, 2:45–3:45
- 262 Eating Behaviors Austin Manwill, 10:00–11:00
- **263** Finding The Origin of Alzheimer's Disease Joshua Matt, 11:15–12:15
- 264 H.I.I.T. Your Body Image: The Effect of High Intensity Interval Training on Body Satisfaction Lis Melchior, 1:30–2:30
- **265 Clinical Perspectives of Online Sexual Addiction** *Lis Melchior*, 10:00–11:00
- **266** Beat Bullying with Empathy Shiho Nakao, 1:30–2:30

- 267 Accuracy of Consumer Fitness Monitors and Agreement with Common Nutrition Assessment Tools and Equations Kendra Nelson, 2:45–3:45
- 268 Labors of Love: Stereotypical Labor Division in Strong Appalachian Marriages Zania Nicholson, 2:45–3:45
- **269** Is Love All You Need? Trust and Respect in Strong Appalachian Marriage *Zania Nicholson*, 11:15–12:15
- 270 Healthy vs. Non-Healthy: A Content Analysis of Television Food Commercials Stefani Owens, 10:00–11:00
- 271 Skin Cancer Courtney Robertson, 11:15–12:15
- 272 Determination of C. elegans DDX\_15 Helicase Protein Structure Via Isolation and Crystallography Charlene Roorda, 1:30–2:30
- 273 Acceptability, Usage, and Knowledge of Resistant Starch Matthew Schmidt, 2:45–3:45
- **274 He is not Fat, Unhealthy, Lazy, etc., He Plays Football** *Matthew Schmidt,* 11:15–12:15
- 275 Health Fairs, Patient Education, and the Likelihood of Follow-up Care Daphne Solomon, 2:45–3:45
- **276** Investigating the Chemical Mechanism of a Key Tuberculosis Enzyme *Christy Standler*, 10:00–11:00
- 277 Best Practices in Substance Abuse Counseling with Adolescents *Kelsey Steed*, 11:15–12:15
- **278** Synthesis of a Potential Tuberculosis Therapeutic Brandon Wilburn, 1:30–2:30
- 279 The Price of Citizenship: Images of Civil Rights in Rural West Tennessee Richard Saunders, 10:00–11:00

- **280** StudioLab: Exploring Science Through Art Delaney Patterson, 10:00–11:00
- 281 Self-Sufficient Delta Home Kendall Hansen, 11:15–12:15

# DISPLAYS, DEMONSTRATIONS & PERFORMANCES

Presentation ID#: 282-310

## DISPLAYS st-ballroom

- **282** Sculpture Russell Wrankle, ALL DAY
- 283 Moving Sculpture Zane Anderson, ALL DAY
- **284 SUU Ceramics** *Susan Harris,* ALL DAY
- **288** Chinese Painting Yidan Guo, ALL DAY
- **BC-BRAITHWAITE GALLERY**
- 285 Drawing with Value and Color Eric Brown, ALL DAY
- **286** Senior BFA Exhibition Jay Merryweather, ALL DAY
- SH-SOUTH HALL EXHIBIT
- **287** Kate and the Coyote Michelle Allen, ALL DAY

# DEMONSTRATIONS SH-PRINT STUDIO 102

- **292 Posters Americana: New Processes & Traditional Forms** *Jeffrey Hanson*, 11:15–12:15
- LIB-OUTSIDE PATIO
- **289** Live Art Performance by SUU Students and Faculty *Rheana Gardner*, 12:00–1:00
- **290** Intelligent Solar System *Skyler Randall*, 1:30-2:30

#### ED 104

**291** Portable Digital 3D Scanning Devin Passey, 2:45-3:45

# PERFORMANCES

## SESSION ONE ST-STERLING CHURCH 10:00-11:00

- **310** The Man in the High Silk Hat Amanda Mills, 10:00–10:15
- MU-THORLEY RECITAL HALL 10:00-11:00
- **293** The Path Stephanie Fausett, 10:00–10:15
- **294** Modish *Tiana Chambers*, 10:15–10:30
- **295** Perfectly Imperfect LayCee Houghton, 10:30–10:45
- **296 The Late Unpleasantness** *Kathleen Fotheringham,* 10:45–11:00

#### SESSION TWO MU-THORLEY RECITAL HALL 11:15–12:150

- **297** Floating Melanee Gardner, 11:15–11:30
- **298** Love Hurts *Tifany Allen*, 11:30–11:45
- **299** Broken Michaela Kelly, 11:45–12:00
- **300** By Design Kaitlyn Katter, 12:00–12:15

#### SESSION THREE MU-THORLEY RECITAL HALL 1:30–2:30

- **301** Untitled Britney Whitney, 1:30–1:45
- **302** Empathy Mekinzey Parks, 1:45–2:00
- **303 Poe Phrase** *Erin Hulse*, 2:00–2:15
- **305** Gaggle Megan Brunsvold, 2:15–2:30

SESSION FOUR MU-THORLEY RECITAL HALL 2:45-3:45

- **306** Beating Our Drums in China Keith Bradshaw, 2:45–3:15
- 307 Hippolytus / Phaedra Richard Bugg, 3:15–3:45

SPECIAL PERCUSSION PERFORMANCE MU-THORLEY RECITAL HALL 4:00-4:45

308 Skins, Bars and Sticks Lynn Vartan, 4:00-4:45

EVENING SESSION MU-THORLEY RECITAL HALL 5:30-7:00

**309** Inspiration vs Desperation: Recital and Lecture *Alex J. Byers*, 5:30–7:00

# SESSION DIRECTORY

Listed by session

# SESSION ONE

#### 10:00-10:15

ID	Title	Room
014	Journey Through the Long White Cloud	CC-Charles Hunter
046	ISIS and the Middle East	CC-Shooting Star
075	Measuring Cations in Coal Creek	CC-Vermillion Cliffs
059	SUU Forensic Team Redux	CC-Yankee Meadows
104	Predicting Survival Duration for Diabetics	ED 102
152	Supported Lipid Bilayer Removal by Buffer Flow	ED 104
088	Basic Ideas about the Common Core	ED 115
120	Want to Understand Shakespeare's Plays? Read Comics	ED 202
030	Before Facebook & Twitter: Victorian Social Media	ED 203
001	Building a Culture of Engagement at SUU	ED 205
136	Bioaccumulation of Platinum Group Metals in Roadside Foliage	ED 215
293	The Path	MU-Thorley Hall
310	The Man in the High Silk Hat	ST-Sterling Church

#### 10:15-10:30

ID	Title	Room
015	Parallel Play: Art, Design and Environmental Science Collaborations	CC-Charles Hunter
047	Minorities of the Arab World	CC-Shooting Star
076	Southern Utah University Water Laboratory: A Working Model of Peer Mentorship	CC-Vermillion Cliffs
060	Exploring the Grand Canyon on the Colorado River	CC-Yankee Meadows
105	The Effect of High and Low Glycemic Food Smells and Sights on Blood Glucose	ED 102
153	Determination of Plasticizers of Water Stored in Various Plastics	ED 104
089	Promoting a Unified Understanding of Number in the Middle School Classroom	ED 115

#### 10:15-10:30 CONT.

ID	Title	Room
121	Arguing Divorce in Favor of Marriage: The Ties that Bind	ED 202
031	Forensics of Credit Card Fraud	ED 203
002	Beneficial Medical Service and Surveys in Nicaragua	ED 205
137	Microfluidic Development at SUU: Faster, Cheaper, More Portable Chemistry	ED 215
294	Modish	MU-Thorley Hall

#### 10:30-10:45

ID	Title	Room
016	Analog Music Synthesizers: How to Make that Amazing Sound	CC-Charles Hunter
048	Accepting Responsibility: Genre Analysis and Social Issues	CC-Shooting Star
077	Analysis of Mercury Concentration by ICP-MS in Various Fish Tissues Collected in Southern Utah	CC-Vermillion Cliffs
061	The Sustainable Revolution	CC-Yankee Meadows
106	An Apple a Day Gets an EDGE Project Done	ED 102
154	Egyptian Fractions and Practical Numbers	ED 104
090	Myths, Lies and Half-Truths Threaten Children and Undermine Public Education in Utah	ED 115
122	Mission Possible: Breaking Boundaries between Writers in the Disciplines	ED 202
032	How Canvas Got Hacked	ED 203
003	Volunteerism is Not For You	ED 205
138	pH Sensitive Silver Nanoparticle Synthesis Facilitated by Microfluidic Devices	ED 215
295	Perfectly Imperfect	MU-Thorley Hall

#### 10:45-11:00

ID	Title	Room
017	Atalanta's Sisters: "The Sisters of Atalanta in Fin-de-Siècle Art"	CC-Charles Hunter
049	Fathering in the U.K., USA, Scandinavia, & Australia	CC-Shooting Star
078	Discovering Soundscapes: Noise Levels at Grand Staircase Escalante National Monument	CC-Vermillion Cliffs
062	SUU Center for STEM Teaching and Learning: An Introduction	CC-Yankee Meadows
107	Wellness as a Way To Elevate College Sucesss	ED 102
155	Determination of Cholesterol, Squalene, and Lynestrenol in Ear Wax	ED 104
091	Rational Numbers and the Common Core State Standards: A Descriptive Case Study	ED 115
123	Writing Styles: Organized vs. Organic	ED 202
033	SUU Post Office: Lost and Found System	ED 203
004	All I Really Need to Know about Writing I Learned in the 4th Grade: University and 4th Grade Writing Buddies	ED 205
139	Guiding Students towards Language Proficiency	ED 215
296	The Late Unpleasantness	MU-Thorley Hall

#### 10:00-11:00

ID	Title	Room
160	English Honor Society	ST-Ballroom
165	What Women Want: Fulfilling Nutritional Needs for Young Women	ST-Ballroom
169	The Presidency of Barack Obama: A Success or a Failure?	ST-Ballroom
173	Harry Potter vs. Hunger Games	ST-Ballroom

#### 10:00-11:00 cont.

ID	Title	Room
177	How We Get To School	ST-Ballroom
182	The Spirit of the Forest	ST-Ballroom
186	Cyber Crimes	ST-Ballroom
190	Cell Phone Preference Among SUU Students	ST-Ballroom
194	Computing for a Cure: Why Mammogram Rates in Utah are Lower than the National Average	ST-Ballroom
198	Journey to Japan	ST-Ballroom
202	Exploratory Analysis of Western Hognose (Heterodon nasicus) Venom	ST-Ballroom
206	Population Genetics and Paternity of Tent Caterpillars (Malacosoma californicum) in Southern Utah	ST-Ballroom
210	Revision of Colossendeis colossea Wilson, 1881	ST-Ballroom
215	Comparison of LED vs UV Gel Imager Clarity	ST-Ballroom
219	Changes in Water Chemistry In Cedar City Irrigation Systems	ST-Ballroom
223	A Microfluidic Device for Oxygen Quantitation in Anoxic Waters	ST-Ballroom
225	Hybridization of Native Vulpes macrotis and Urocyon cinereoargenteus with Invasive Vulpes vulpes in Southern Utah	ST-Ballroom
230	Applications of the Enzyme Phospholipase A2	ST-Ballroom
234	Dragster Analysis	ST-Ballroom
237	Integrated, Field-Based Student Research in Volcanic Fields of Southern Utah: Volcanology In and Out of the Classroom	ST-Ballroom

#### 10:00-11:00 cont.

ID	Title	Room
240	Improving Physical Health of Truck Drivers Through Occupational and Physical Therapy Techniques	ST-Ballroom
244	Energy Expenditure/Consumption, Hydration Status, and Nutrition-related Knowledge and Behaviors of Cross Country Athletes	ST-Ballroom
248	Because She's on the Track Teams, She's not Fat, Unhealthy, Lazy, etc.: A Social Cognitive Bias in Health-Related Person Perception Evaluations of a Female	ST-Ballroom
252	Feeling Good? We Know Why!	ST-Ballroom
257	Does Diurnal Variation Influence EPOC?	ST-Ballroom
258	Eating Yourself Healthy	ST-Ballroom
262	Eating Behaviors	ST-Ballroom
265	Clinical Perspectives of Online Sexual Addiction	ST-Ballroom
270	Healthy vs. Non-Healthy: A Content Analysis of Television Food Commercials	ST-Ballroom
276	Investigating the Chemical Mechanism of a Key Tuberculosis Enzyme	ST-Ballroom
279	The Price of Citizenship: Images of Civil Rights in Rural West Tennessee	ST-Ballroom
280	StudioLab: Exploring Science Through Art	ST-Ballroom

# **SESSION TWO**

#### 11:15–11:30

ID	Title	Room
018	A Study in Adaptation: Rediscovering Sherlock Holmes	CC-Charles Hunter
050	Learning through Living: Studying The Lord of the Rings in New Zealand	CC-Shooting Star
079	The Chemical Characterization of Coal Creek	CC-Vermillion Cliffs
063	SUU Women and Gender Studies Program	CC-Yankee Meadows
108	The Reliability of the Marital Scales: Normative Data for a Group of Little People	ED 102
156	Implementing Project-based Learning in the ESL Classroom	ED 104
092	Mindfulness and Student Engagement	ED 115
124	Yet Another Paper on Descartes's Argument for Mind-Body Dualism	ED 202
034	What's Hot in Intellectual Freedom	ED 203
005	Tell Me Your Story: How to Conduct an Oral History Project	ED 205
140	A Convergent Numerical Scheme for a Reaction-Diffusion System	ED 215
297	Floating	MU-Thorley Hall

#### 11:30-11:45

ID	Title	Room
019	Speaking without Speech: Hush, Hush, and Touch	CC-Charles Hunter
051	Helen Foster Snow and her Utah Zeitgeist	CC-Shooting Star
080	Monitoring the Destruction and Natural Recovery of a Monsoon-Dominated Stream System After a Wildfire Damages its Watershed, Stout Canyon Utah	CC-Vermillion Cliffs
064	LGBTQ in Utah: An Analysis of the Experience of Youth Homelessness	CC-Yankee Meadows

#### 11:30–11:45 cont.

ID	Title	Room
109	A Comparison of Stress between Military and Civilian Populations	ED 102
157	You Just Had to be There: What Experiential Education Students Get that other Students Miss Out On	ED 104
093	Searching for Predictors of Grit	ED 115
125	The Influence of Conservative and Liberal Messages on Political Ideology	ED 202
035	Using Rubrics to Improve Online Student Learning	ED 203
006	Hands-on Analytical Chemistry: Environmental Water Testing Success Stories	ED 205
141	Electronic Transitions of Cyclic Molecules	ED 215
298	Love Hurts	MU-Thorley Hall

#### 11:45-12:00

ID	Title	Room
020	Moving With The Times	CC-Charles Hunter
052	Higher Education for Pacific Islander Students	CC-Shooting Star
081	Structural Geology Course Objective: Publish Your Research	CC-Vermillion Cliffs
065	Practical Applications of Life-Saving Operations and Procedures using Cadavers as a Training Medium	CC-Yankee Meadows
110	The Star Wars Saga	ED 102
158	Rocking Your Classes: Using Case Studies to Introduce Topics	ED 104
094	So You Think You're Funny: Using Humor and Other Strategies to Help Native and Non- native Speakers Move Past Writing Anxiety	ED 115

#### 11:45-12:00 cont.

ID	Title	Room
126	The Cumulative Apologia: Curriculum Integration and Program Evaluation	ED 202
007	Changing Water Governance in the US	ED 205
142	Applications of Representation Theory	ED 215
299	Broken	MU-Thorley Hall

#### 12:00-12:15

ID	Title	Room
021	One Perception to Rule Them All: Friedrich Nietzsche's Theory with J.R.R. Tolkien's The Lord of the Rings	CC-Charles Hunter
053	From Utah to Africa	CC-Shooting Star
082	How to Leave the Solar System	CC-Vermillion Cliffs
066	Wish Upon a Star: How the Writing Center Makes Dreams Come True	CC-Yankee Meadows
111	The Role of the Subjective Norm in Attitude Expression and Behavioral Intentions Towards Atheists and Religious Believers	ED 102
159	Seminar: A Part of a Balanced Educational Breakfast	ED 104
095	Similarities and Personality Differences Between Practicing Teachers and Pre- Service Education Students	ED 115
127	Value in Relation to Morality	ED 202
037	ePortfolio: How to Effectively Market Students for Success in Their Chosen Field	ED 203
008	Professional Development in Student Services	ED 205
143	Study the Stability of Steady Solutions for a Model of Mutualism	ED 215
300	By Design	MU-Thorley Hall

#### 11:15-12:15

ID	Title	Room
292	Posters Americana: New Processes & Traditional Forms	South Hall-Print Studio 102
161	Major Decisions	ST-Ballroom
166	Can I Have Your Number?	ST-Ballroom
170	How Does the "College Life" Affect Procrastination Habits?	ST-Ballroom
174	Condom Education and STI Prevention	ST-Ballroom
178	SUU StoryTime	ST-Ballroom
180	Kolob Canyon Review	ST-Ballroom
183	Color Communication in Varied Cultures	ST-Ballroom
187	e-Assurances	ST-Ballroom
191	Data Mining: Building Better Bug Messages	ST-Ballroom
195	Dis-Floccinaucinihilipilificating the Benefits of Hacking	ST-Ballroom
199	Right Message at Right Place: Investigating the Effectiveness of Location-based Mobile Advertising on Consumers' Redemption Responses	ST-Ballroom
203	Genetic Superhumans	ST-Ballroom
207	Gene Therapy and Organ Transplantation	ST-Ballroom
212	Microfluidic DNA Analysis: Making CSI a Reality	ST-Ballroom
216	The Effects of Terpenoids from Umbellularia californica on Frog Blood Vessel Diameter	ST-Ballroom
220	Population Genetics of Ringtails, Bassariscus astustus, in Southern Utah	ST-Ballroom
226	Microfluidic Pseudocapillary Columns: the Next Step in Protein Filtration	ST-Ballroom
231	Magnesium Wire Templated Microfluidic Construction	ST-Ballroom
235	Empowering Students in Higher Education and Student Affairs	ST-Ballroom

#### 11:15-12:15 cont.

ID	Title	Room
238	Tracing the Impact of Leave No Trace in Southwest Wilderness and Wildlands	ST-Ballroom
239	Using Hexoskin Wearable Technology to Obtain Body Metrics in a Trail Hiking Setting	ST-Ballroom
241	Food Safety: Knowledge vs. Practice in a College Age Population	ST-Ballroom
245	Hydration Status of Division 1 Collegiate Football Players during Summer Two-a-day Training	ST-Ballroom
249	Does Dr. Oz Know What He is Talking About? A Content Analysis of the Dr Oz Show	ST-Ballroom
253	Body Image Among Female Collegiate Athletes at Southern Utah University	ST-Ballroom
259	Synthesis of Antibiotics by Palladium Catalyzed Cross-Coupling of in situ Generated Secondary Amines	ST-Ballroom
263	Finding The Origin of Alzheimer's Disease	ST-Ballroom
269	Is Love All You Need? Trust and Respect in Strong Appalachian Marriage	ST-Ballroom
271	Skin Cancer	ST-Ballroom
274	He is not Fat, Unhealthy, Lazy, etc., He Plays Football	ST-Ballroom
277	Best Practices in Substance Abuse Counseling with Adolescents	ST-Ballroom
281	Self-Sufficient Delta Home	ST-Ballroom

#### 12:00-1:00

ID	Title	Room
289	Live Art Performance by SUU Students and	Library Outside Patio
	Faculty	

# SESSION THREE

1:30-1:45
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ID	Title	Room
022	Stories Never Told: A Biography of Ivan Balint-Kolozsvari	CC-Charles Hunter
054	Insight Dubai Conference	CC-Shooting Star
083	The Effects of Umbellularia californica Essential Oil on the Cutaneous Vasculature of Frogs	CC-Vermillion Cliffs
067	Pay Secrecy: Legal, Policy, and Practice Issues for Employers	CC-Yankee Meadows
112	Role of the Kappa Opioid Receptor System in Behavioral Response to Stress and Anxiety in Ethanol Dependent C57BL/6J Mice	ED 102
096	Methods of Acquiring and Implementing Nutrition Information for Children	ED 115
128	Children's Perceptions of Gender	ED 202
038	The Last of Us and Mycological Zombies: The Digital Evolution of the Walking Dead	ED 203
009	Planes, Trains, and Fish? A Case Study in Science Education	ED 205
144	A Finite Difference Scheme for an Ising Spin System Equation with Kac Potential	ED 215
301	Untitled	MU-Thorley Hall
1:45-	2:00	
ID	Title	Room
023	Framers vs. Explorers: How Students and Educators Can Capitalize on Individual Writing Processes	CC-Charles Hunter
055	The Three Stooges: Cultural Causes of Academic Bumbles for Korean International Students	CC-Shooting Star
084	Anatomical Plasticity of an Invasive Plant Species (Salsola tragus, Amaranthaceae) Growing in Varying Substrates and Its Correlation to Molecular and Physiological Differences	CC-Vermillion Cliffs
	SESSION DIRE	CTORY   SESSION THREE 65

### 1:45-2:00 CONT.

ID	Title	Room
068	The Foreign Policies of Bush and Obama	CC-Yankee Meadows
113	Effect of Acetaminophen Drug Combinations on Catalase Activity in Mouse Liver Cells	ED 102
097	Representations of Autism in Popular Television	ED 115
129	The Kentucky Democratic Society and the Geography of Political Opposition in the Early Republic	ED 202
039	Tablet Technology in Early Childhood	ED 203
010	Standards, Practical Interventions, and Community Needs: Triangulating Factors in Meeting the Needs of our Community and Institution	ED 205
145	The Divisibility of p^(n)-1 for p>5, p a prime number	ED 215
302	Empathy	MU-Thorley Hall

#### 2:00-2:15

ID	Title	Room
024	Bridge or Canary? The Puzzling Case of Du Fu	CC-Charles Hunter
056	Le Témoignage de Brigitte Benkemoun: Une mémoire recomposée	CC-Shooting Star
085	Geology in Our Backyard: Teaching Practical Field Methods	CC-Vermillion Cliffs
069	Who are ALEC and the Kochs and How Do They Influence Utah Public Policies?	CC-Yankee Meadows
114	Anion Detection in Coal Creek	ED 102
098	Counting: As Easy as 1-2-6	ED 115
130	Early Economics	ED 202
040	Students' Attitudes Towards Mobile Learning and Mobile Device Usage in the U.S. and Israel Universities	ED 203

#### 2:00-2:15 CONT.

ID	Title	Room
011	The Illusion of Mutually Exclusive: The Danger of False Dichotomies and How Interdisciplinary Studies Can Help	ED 205
146	Migration of Lipids in a Supported Lipid Bilayer: Improving Drugs in 1D	ED 215
303	Poe Phrase	MU-Thorley Hall
2:15-	-2:30 Title	Room
		<b>Room</b> CC-Charles Hunter
ID	Title I Came, I Saw, but I did not Conquer: Humiliating Patriarchy and Reconfiguring	

070	An Analysis of the Inflation Rate of the United States	CC-Yankee Meadows
115	Potential of Fenugreek to Improve Blood Lipids: An SUU Pilot Study	ED 102

099	International Student Recruitment Strategy and Policy Analysis	ED 115
131	Human Connection Through Service	ED 202
041	Autonomy, Collaboration, and Feedback through Technology-Enhanced Modeling	ED 203
012	A Philosophical approach to Socioeconomic Status Influencing Student Success	ED 205

147	Growth Series for Rooted Trees	ED 215
305	Gaggle	MU-Thorley Hall

#### 1:30-2:30

ID	Title	Room
290	Intelligent Solar System	Library Outside Patio
162	The Effects of Fentanyl in Epidurals on an Infant's Ability to Breast Feed	ST-Ballroom
167	The Root Collective	ST-Ballroom
171	Chronic Wasting Disease	ST-Ballroom
175	Cedar City Parkinson's 5K	ST-Ballroom
179	Watch Out For White Coat Hypertension	ST-Ballroom
184	Construction of a Gel Imaging System	ST-Ballroom
188	Do's and Don'ts of Computer Ethics	ST-Ballroom
192	Waves of Computer Crime	ST-Ballroom
196	Insight Dubai The Experience	ST-Ballroom
200	Helen Foster Snow: A Great Cedar City Native	ST-Ballroom
204	The Fouls of Waterfowl Migration	ST-Ballroom
208	The Use of Ancient DNA and eDNA in the Identification, Sequencing and Cloning of an Organism's Genome: A Quantitative Literature Review	ST-Ballroom
211	Patterning Supported Lipid Bilayers with Magnetic Tweezers	ST-Ballroom
213	Can Western Hog-nosed Snakes (Heterodon nasicus) Learn to Prefer a Diet Outside of their Dietary Specialty?	ST-Ballroom
217	An Analysis of Stereoscopic 3D Geological Mapping Methods Using Cardinal and Esri Systems	ST-Ballroom
221	Modern Genetic Evolution	ST-Ballroom
222	A Novel Method for Copper Nanoparticle Synthesis	ST-Ballroom

#### 1:30-2:30 CONT.

ID	Title	Room
227	Interactions of Protein Components within Caenorhabditis elegans Spliceosome	ST-Ballroom
228	Domestic Violence Amongst Indigenous Women	ST-Ballroom
232	A Quantitative Literature Review on Carnivore Population Genetic Sampling Methods and Analysis	ST-Ballroom
242	Quantitative Literature Review of Genetic Markers Impacting Mental Disorders	ST-Ballroom
246	Genetic Markers Linking Smoking to Psychological and Physical Disorders	ST-Ballroom
250	Variables of Credit Hours Taken	ST-Ballroom
254	The Effect of Dietary Fat Content on Mood and Global Well-Being	ST-Ballroom
256	Childhood Food Experiences with Regard to Food Rewards and Punishments	ST-Ballroom
260	Evaluation of the Stereochemical Selectivity of the Nucleophilic Addition Reaction of the Menthylmagnesium Chloride Grignard Reagent with Electrophiles	ST-Ballroom
264	H.I.I.T. Your Body Image: The Effect of High Intensity Interval Training on Body Satisfaction	ST-Ballroom
266	Beat Bullying with Empathy	ST-Ballroom
272	Determination of C. elegans DDX_15 Helicase Protein Structure Via Isolation and Crystallography	ST-Ballroom
278	Synthesis of a Potential Tuberculosis Therapeutic	ST-Ballroom

# **SESSION FOUR**

#### 2:45-3:00

ID	Title	Room
026	The Umbrella	CC-Charles Hunter
071	Remembering an Iron County Hero: The Afterlife of Alma Richards	CC-Yankee Meadows
116	Ball Don't Lie	ED 102
100	Astronomy Agencies and the Growth of Citizen Science	ED 115
132	Current Production Practices of Rep Platforming	ED 202
042	Competency-Based Education at a Traditional University	ED 203
148	POD: Enriching Interlibrary Loan for Today's Patrons	ED 215
2:45-	3:15	

# IDTitleRoom306Beating Our Drums in ChinaMU-Thorley Hall

# 3:00-3:15

ID	Title	Room
027	Dogs	CC-Charles Hunter
072	What's the Big Deal about Bitcoin?	CC-Yankee Meadows
117	Body Composition and Metabolic Health of SUU Football Players	ED 102
101	The Word Anasazi—Offensive and Inaccurate	ED 115
133	Architectural Visualization	ED 202
043	Management of Information Security Breaches: Awareness, Training and Education	ED 203
149	Why Do We Laugh at That?: An Examination of the Relationship between Professor Authority and Student Perception	ED 215

#### 3:15-3:30

ID	Title	Room
028	Design Yourself! The Genius of Excellence	CC-Charles Hunter
073	A New Verdict on the Reputation Costs of Corporate Litigation	CC-Yankee Meadows
118	Road to the Healthier Me	ED 102
102	Nontraditional Students at SUU: What Services do Students Want?	ED 115
134	Integrating the Arts in the Elementary Classroom: A Working Model	ED 202
044	Engaging Generation Y in a Technology Driven Environment	ED 203
150	The EDGE Tracker: What You Need to Know	ED 102
3:15-	-3:45	

ID	Title	Room
307	Hippolytus / Phaedra	MU-Thorley Hall

3:30-3:45

ID	Title	Room
029	Express Yourself: Legal Issues Regarding the Right of Free Speech for Students	CC-Charles Hunter
074	Change When Change is Hard	CC-Yankee Meadows
119	Verification and Validation of a Database Management Course	ED 102
103	Dean's List for Graduate Students	ED 115
045	Grammar Guide: A Collection of Commonly Misused & Mispelled Words	ED 203
151	Ferrofluids: An Education in Chemistry	ED 102
135	Synthesis of Bis(4-pyridyl)acetylene for an Organic Based Magnetic	ED 202

ID	Title	Room
058	Contemporary Latin American Narrative	CC-Shooting Star
087	Coral Reefs of San Salvador Island, the Bahamas: A Panel of Experiential Biology and Geology	CC-Vermillion Cliffs
013	Drift Migration	ED 205
291	Portable Digital 3D Scanning	ED 104
163	Why Do College Students Skip Class?	ST-Ballroom
164	Poetry as Trauma Therapy	ST-Ballroom
168	Care Transitioning	ST-Ballroom
172	The Development of the SUU Library Café: A Preliminary Study	ST-Ballroom
176	Impact of Cultural Immersion Trips on Pre- Health Students at Southern Utah University	ST-Ballroom
181	Hair Dynamics	ST-Ballroom
185	Are you protected?	ST-Ballroom
189	Self-Conscious Emotions and Digital Devices	ST-Ballroom
193	Securing Your Future With Security: Careers in Security	ST-Ballroom
197	Global Change and the American Southwest	ST-Ballroom
201	#Nepal2015	ST-Ballroom
205	Quality TICE Curriculum Defined	ST-Ballroom
209	Building a Transilluminator	ST-Ballroom
214	Epigenetics and Their Effect on Male Infertility	ST-Ballroom
218	Parking Permits are Expensive?!?	ST-Ballroom
224	Selective Oxidation Through Beta C-H Activation	ST-Ballroom
229	Chemical Elements in the Quran	ST-Ballroom
233	Synthesis, Analysis, and Biological Activity of Novel Organoarsenic Compounds	ST-Ballroom
236	The Impact of Modern Farming Practices on Molybdenum's Subsurface Distribution	ST-Ballroom

2:45-3:45 CONT.

ID	Title	Room
243	Skin Cancer Prevention in Outdoor Athletes	ST-Ballroom
247	A Review of the Workshop, "Molly Kellogg's Counseling Intensive" held in Dallas, TX June 6-7, 2014	ST-Ballroom
251	Literature Review of Genetic Treatments for Breast Cancer	ST-Ballroom
255	The Effect of Education on Hydration Status of ROTC Cadets at Southern Utah University	ST-Ballroom
261	Lowering Symptoms of Depression Through Exercise and Mindfulness Interventions	ST-Ballroom
267	Accuracy of Consumer Fitness Monitors and Agreement with Common Nutrition Assessment Tools and Equations.	ST-Ballroom
268	Labors of Love: Stereotypical Labor Division in Strong Appalachian Marriages	ST-Ballroom
273	Acceptability, Usage, and Knowledge of Resistant Starch	ST-Ballroom
275	Health Fairs, Patient Education, and the Likelihood of Follow-up Care	ST-Ballroom
4:00	-4:45	
ID	Title	Room
308	Skins, Bars and Sticks	MU-Thorley Hall

5:30-7:00

ID	Title	Room
309	Inspiration vs Desperation: Recital and Lecture	MU-Thorley Hall

### ALL DAY EVENTS

#### 10:00-4:00

ID	Title	Room
282	Sculpture	ST-Ballroom
283	Moving Sculpture	ST-Ballroom
284	SUU Ceramics	ST-Ballroom
288	Chinese Painting	ST-Ballroom
285	Drawing with Value and Color	Braithwaite Gallery
286	Senior BFA Exhibition	Braithwaite Gallery
287	Kate and the Coyote	South Hall Exhibit

# PRESENTER DIRECTORY

Presenters by Last Name, First Name

# FIND PRESENTERS BY LAST NAME, FIRST NAME

Use the presentation **ID#** to easily search the printed program or website. Main presenters and co-presenters are listed in this index, but only main presenters and presentation information are included in the body of the printed program. Go online to see the full information for each presentation, including all presenters and full abstracts. (suu.edu/excellence)

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