

APRIL
2016

SUU FESTIVAL OF EXCELLENCE



FESTIVAL
OF EXCELLENCE

Celebrating Academic and Creative Scholarship



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OPENING REMARKS

Our fourth annual Festival of Excellence is already a great success. Thank you for joining me in celebrating our artistic and intellectual efforts at SUU. We should all look forward to learning from each other and finding new ways to connect our interests to form new ideas. Please use this opportunity to intentionally find those connections and build new relationships.



Provost Bradley J. Cook

OPENING GALA

Monday, April 4, 2016
R. Haze Hunter Conference Center — Great Hall

Master of Ceremonies: **Johnny MacLean**

- 6:00-6:10** **Welcome — Johnny MacLean**
- 6:10-6:20** **Provost's Welcome — Bradley J. Cook**
- 6:20-6:30** **President's Welcome — Scott L Wyatt**
- 6:30-6:45** **EDGE Awards — Presented by EDGE Faculty**
- 6:45-6:50** **Keynote Introduction — Danielle Dubrasky**
- 6:50-7:30** **Keynote Address — Jeff Lieberman**
- 7:30-8:30** **Reception with Refreshments**

FESTIVAL OF EXCELLENCE SCHEDULE AT A GLANCE

Tuesday, April 5, 2016
Education Building, Business Building, and Thorley Recital Hall

- 9:00-10:00** **Session 1**
- 10:00-11:00** **Session 2**
- 11:00-12:00** **Session 3**
- 12:00-1:00** **Trustees' Award Winner Address — Great Hall**
See description below
- 1:00-2:00** **Session 4**
- 2:00-3:00** **Session 5**
- All Day** **Displays — Student Center Ballroom**
- All Day** **Pecha Kucha Presentations — Student Center Living Room**

Board of Trustees Faculty Achievement in Excellence Award Recipient Address

During the noon hour, Dr. Todd Petersen, Professor of English, Director of Project-Based Learning, and recipient of the Board of Trustees Faculty Achievement in Excellence Award, will be delivering a presentation entitled "Projects and the Future of Informal Learning."

The contemporary educational landscape has shifted from teaching to learning. The next step is to move from learning to doing, and one of the best vehicles for doing this is a project. Project-based learning isn't new. It's one of the oldest and most fundamental ways that people learn. It's also the way people learn once they are done with the formal learning. A college senior is 93% of the way through their formal learning. Are they ready to learn without schools, teachers, and classes?

SPECIAL THANKS

Organizing 580 presenters to give over 310 presentations is a monumental task. It could not have happened without the hard work and continued effort of numerous individuals. We have a great team, and I give them my heartfelt appreciation. Above all, Jacob Ward, the Festival of Excellence Student Director, deserves recognition and praise.

Johnny MacLean
Festival of Excellence Director

Festival of Excellence 2016 Committee Members

Jacob Ward, Student Director
Jennifer Hunter, Scheduling and Facilities Coordinator
Jessica Burr, Volunteer Coordinator
McKayla Gonder, Pecha Kucha
Allison Hadley, SUUSA Representative
Jeffrey Hanson, Program Designer
Dylan May, Program Designer
Mackay Steffensen, UGRASP
Megan Brunsvold, CPVA Faculty Representative
Patrick Clarke, SIEL Representative
Kelly Goonan, COEHD Faculty Representative
Alexandra Perkins, HSS Faculty Representative
Joshua Price, SOB Faculty Representative
Nathan Werner, COSE Faculty Representative
Aimee Uchman, Executive Assistant to the Provost
James Sage, Associate Provost
Bradley J. Cook, Provost

Festival of Excellence 2016 Faculty/Staff Mentors

Junice Acosta	Debra Davis	Scott Knowles	Ty Redd
Lisa Arter	Andrea Donovan	Johnny MacLean	Matthew Roberts
Mark Atkinson	Danielle Dubrasky	David Maxwell	Rob Robertson
Said Bahi	Kirk Fitzpatrick	Jim McDonald	Hussein Samha
Joe Baker	Karen Ganss	Ricky Mendini	Matt Schmidt
Matt Barton	Rheana Gardner	Patricia Meredith	Peter Sham
Jayci Bash	Fredric Govedich	Mark Miller	Mackay Steffensen
John Belk	Jacqueline Grant	Chris Monson	Kevin Stein
Kyle Bishop	Bradley Gregory	Scott Munro	Tyler Stillman
Christian	Michelle Grimes	John Murray	Wynne Summers
Bohnenstengel	Shobha Gurung	Matt Ogburn	Camille Thomas
Curtis Bostick	Jianlong Han	Michael Ostrowsky	Jessica Tvordi
Helen Boswell	Scott Hansen	Alan Pearson	David Ward
Megan Brunsvold	Kurt Harris	Alexandra Perkins	Kim Weaver
Art Challis	Bruce Haslem	Todd Petersen	Matthew Weeg
Nica Clark	Daniel Hatch	Paul Pillitteri	Cecilia Weingartner
Julia Combs	Bruce Howard	Sage Platt	Nathan Werner
Bradley Cook	Jason Kaiser	Angela Pool-Funai	Lynn White
Grant Corser	Shalini Kesar	Joshua Price	Lee Wood
Kim Craft	Kathryn Kloepper	Denise Purvis	

FESTIVAL OF EXCELLENCE DEANS' HONOR ROLL

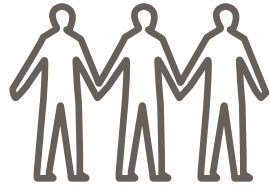
Students presenting at the Festival of Excellence are eligible to be recognized for the quality of their project by their College Dean. Nomination to the Festival of Excellence Honor Roll signifies the presenter's expertise in their discipline and personal responsibility. The Deans will award 10 to 15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

DISTINGUISHED PRESENTATION AWARDS

These awards are given to mentor-nominated projects judged by a panel of experts. The top 10% presentations from each presentation type will be awarded \$25 SUU Bookstore Scholarships.

ORAL PRESENTATIONS & DEMONSTRATIONS

Presentation ID#:
001-162



COMMUNITY ENGAGEMENT

SESSION ONE

ED 215 9:00–9:55

001 Nepali Migrant Women: Agency and Civic Citizenship

09:00 AM–09:15 AM

Shobha Hamal Gurung

002 The Political Abstractification of Minorities & How Honest Human Connection Can Help Bridge the Divide it Creates

09:20 AM–09:35 AM

Eben Thomas

Mentor: Alexandra Perkins

003 Local Politics: The Source of American Political Power

09:40 AM–09:55 AM

Jandi Hansen

Mentor: Angela Pool-Funai

SESSION TWO

ED 215 10:00–11:55

004 Music-Filled Saturdays at Primary Children's Medical Center

10:00 AM–10:15 AM

Katey Lopez

Mentor: Jayci Bash

005 Spirituals by Helen Tamiris 10:20 AM–10:35 AM

Patricia Meredith, Kristin Breeding, Allie Mathis, Brynn Hall, Tressa Lowry, Mekinzy Parks, Mackenzie Piasick, Mary Schilling, Kayla Shaeffer, Kristen Stringham, Lisa Weng, Britney Whitney

006 Shorties: Reusable Menstrual Pads 10:40 AM–10:55 AM

Niall Hodges-Burns

Mentor: Todd Petersen

SESSION THREE

ED 215 11:00–11:55

007 Training with Giles: Fitness in Nerd Culture

11:00 AM–11:15 AM

Chelsea Campbell

008 Duality: Organized Religion and Spirituality

11:20 AM–11:35 AM

Kaleigh Bronson

Mentor: Bradley Cook

009 Dialects of the Body: Performing the Transnational "Yo"

11:40 AM–11:55 AM

Alexandra Perkins



GLOBAL ENGAGEMENT

SESSION FOUR

ED 215 1:00–1:55

010 Using Theatre in London to Promote Lifelong Learning

01:00 PM–01:15 PM

Jeb Branin

011 Humanitarian Aid and Sustainable Development in Guatemala

01:20 PM–01:35 PM

James McDonald

012 Delivering Energy Free Healthcare Education To Global Communities

01:40 PM–01:55 PM

Alexandrea Montoya, Daniel Blair, Chandler Peterson, Lohra Miller, Lilita Juarez, Skyler Randall, Marcos Lopez

Mentor: Karen Ganss

SESSION FIVE

ED 215 2:00–2:55

**013 What the Dickens? They've Got Great Expectations!:
Helping International Students Meet American
University Outcomes**

02:00 PM–02:15 PM

Kaeli Madsen, Justin Kelsey, Jayde Bertoch

Mentor: Julia Combs

**014 Cross-Cultural Virtual Exchange: An Examination of
Affect and Method**

02:20 PM–02:35 PM

James Loken

Mentor: Mark Atkinson

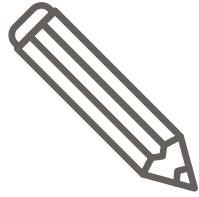
**015 Classroom Engagement of ESL Students throughout
Public Schooling**

02:40 PM–02:55 PM

Rachael Ballenger

Mentor: Shalini Kesar





CREATIVE EXPRESSION

SESSION ONE

ED 103 9:00–9:55

- 016 "I Know It's Crazy" Watchmen as Intertextual Adaptation of The Catcher in the Rye** 09:00 AM–09:15 AM
Carly Olsen
Mentor: Kyle Bishop
- 017 Hyde, Hulk, Gollum, and I: An Exploration of Our Dark Sides** 09:20 AM–09:35 AM
Jaelyn Landeen
Mentor: Kyle Bishop
- 018 American Trickster: Coyote Reborn in Neal Cassady**
09:40 AM–09:55 AM
John Reay
Mentor: Lisa Arter

SESSION TWO

ED 103 10:00–10:55

- 019 "Chuck" vs. Critical Theory** 10:00 AM–10:15 AM
Sandy Steele
Mentor: Lisa Arter

- 020 The "Fallen" Man and Cinematic Imprisonment in Hitchcock's Vertigo** 10:20 AM–10:35 AM

Chris Christiansen
Mentor: Kyle Bishop

- 021 The Truth is Hegemonized: The Danger of Nostalgic Hegemony in The X-Files "Home"** 10:40 AM–10:55 AM

Devin Jackman
Mentor: Kyle Bishop

SESSION THREE

ED 103 11:00–11:55

- 022 Teaching Zombies, Developing Students: Pedagogical Success in The Girl with All the Gifts** 11:00 AM–11:15 AM

Kyle Bishop

- 023 The Identity Behind Erised The Effects of Trauma on the Mirror Stage in Harry Potter** 11:20 AM–11:35 AM

Charley Walquist
Mentor: Lisa Arter

- 024 Disney Masculinity Study of Multiethnic Hiro**

11:40 AM–11:55 AM
Dalaki Livingston
Mentor: Kevin Stein

SESSION FOUR

ED 103 1:00–1:55

- 025 The Taste of Art** 01:00 PM–01:15 PM

Logan Ashworth
Mentor: Debra Davis

- 026 Braintrails: The SUU Student Guide to Cedar City**

01:20 PM–01:35 PM
Kelly Ferguson

- 027 Flash Mobs and Community** 01:40 PM–01:55 PM

Erin Hulse, Stephanie Fausett
Mentor: Megan Brunsvold



SESSION FIVE

ED 103 2:00–2:55

028 Black Tar: The Dissolution of Friendship Through Heroin

02:00 PM–02:15 PM

Corey Morrill

Mentor: Kyle Bishop

029 Labyrinth 02:20 PM–02:35 PM

Caitlyn Byers

Mentor: Danielle Dubrasky

030 Professional Experience in Making "Back Up the Mountain" 02:40 PM–02:55 PM

Jon Smith, Caitlyn Jackson, Brijette Williams, Courtney Sullivan,

Haven Scott, Jake Benson, Tommy Gugino

SESSION ONE

ED 104 9:00–9:55

031 Make a Heaven of Hell: Overcoming Oppression in Verse

09:00 AM–09:15 AM

Jaitee Pitts

Mentor: Scott Knowles

032 Cradle Kings, Martial Maids, and the Construction of Protestant Masculinity in Shakespeare's First Tetralogy

09:20 AM–09:35 AM

Jessica Tvordi

033 Willy the Kid: Shakespeare in the American West 1850-1870 09:40 AM–09:55 AM

Matt Nickerson

SESSION TWO

ED 104 10:00–10:55

034 Bio-mechanical Analysis of Swim Start 10:00 AM–10:15 AM

Briana Boulton

Mentor: Camille Thomas

035 Extreme Control Evolves to Chaos 10:20 AM–10:35 AM

Mekinzey Parks

Mentor: Denise Purvis

036 Flippin' Better 10:40 AM–10:55 AM

Corrina Reid

Mentor: Camille Thomas

SESSION THREE

ED 104 11:00–11:55

037 Poetry Reading from *Ruin and Light* 11:00 AM–11:15 AM

Danielle Dubrasky

038 A "Preposterous and Menacing Absurdity"? C.P. Snow's "Two Cultures" Revisited 11:20 AM–11:35 AM

Bryce Christensen

039 The Evolution of I-Thou: Defining Love Across Commitment 11:40 AM–11:55 AM

Ciara Jackson

Mentor: Matt Barton





DIGITAL & INFORMATION LITERACY

SESSION ONE

ED 115 9:00–9:55

- 040 Tracking the Utah Summer Games** 09:00 AM–09:15 AM
Thoren Williams
Mentor: *David Maxwell*
- 041 Quality Matters: SUU's Standard for Online Course Development** 09:20 AM–09:35 AM
Karl Stevens
- 042 Insights Gained from Tracking Attendance at SUU** 09:40 AM–09:55 AM
Bryce Caine

SESSION TWO

ED 115 10:00–10:55

- 043 Linux Malware Analysis** 10:00 AM–10:15 AM
Alexander Rodriguez-Vargas
Mentor: *Rob Robertson*
- 044 Intellectual Freedom and Online Privacy** 10:20 AM–10:35 AM
Phil Roche
- 045 Radio Frequency Identification** 10:40 AM–10:55 AM
Skyler Randall
Mentor: *David Ward*

SESSION THREE

ED 115 11:00–11:55

- 046 Too Late?: Losing Newspapers as Historical Sources** 11:00 AM–11:15 AM
Richard Saunders
- 047 Pamphlets in Early America** 11:20 AM–11:35 AM
Michelle Orihel
- 048 The Role of Exile and Journalism in the Formation of Female Latin American Intellectuals** 11:40 AM–11:55 AM
Iliana Portaro

SESSION FOUR

ED 115 1:00–1:55

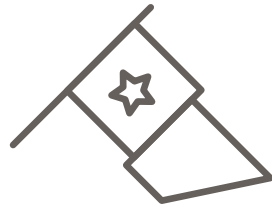
- 049 From London to Amsterdam, Quakers in the Atlantic World** 01:00 PM–01:15 PM
Robert Lindsay
Mentor: *Curtis Bostick*
- 050 Action Reflects Attitude: A Study of the Leadership Involved in the Sand Creek, Washita, and Wounded Knee Massacres** 01:20 PM–01:35 PM
Katie Fronk
Mentor: *Mark Miller*
- 051 Islamic Contributions to Western Civilization** 01:40 PM–01:55 PM
Bradley Cook

SESSION FIVE

ED 115 2:00–2:55

- 052 The "Swayback Maru": Utah Naval Veterans Recall Iwo Jima** 02:00 PM–02:15 PM
Larry Ping
- 053 American Foreign Policy Leading Up to the Cold War** 02:20 PM–02:35 PM
Ingela Rundquist
Mentor: *Mark Miller*
- 054 Responding to Occupational Safety and Health Administration (OSHA) Whistleblower Investigations: Policy and Practice Issues for Employers** 02:40 PM–02:55 PM
Gerald Calvasina





LEADERSHIP & ENTREPRENEURSHIP

SESSION ONE

ED 102 9:00–9:55

055 Conducting Effective Professional Meetings

09:00 AM–09:15 AM

Jim McCoy, Bart Reynolds, Ray Brooks

056 Life Skills, Soft Skills, and Hard Skills, in that Order

09:20 AM–09:35 AM

Brandon Armstrong

057 An Autoethnography of Heart-based Hope Leadership: A Matter of Life or Death

09:40 AM–09:55 AM

Cynthia Klmball Davis

SESSION TWO

ED 102 10:00–10:55

058 SUU Credit for Previous Learning

10:00 AM–10:15 AM

Mark Atkinson

059 Why Community Engagement is Beneficial to Classroom Learning

10:20 AM–10:35 AM

Jodi Corser

060 What We Have Learned About Jumpstart

10:40 AM–10:55 AM

John Taylor, Jessica Tvordi, Matt Barton, Grant Corser, Matt Nickerson, Andy Marvick, Jana Lunt, Hessein Samha, Scott Wyatt

SESSION THREE

ED 102 11:00–11:55

061 University Housing Succeed Initiative

11:00 AM–11:15 AM

Annalee Nickel

Mentor: Kathryn Kloepper

062 Is SUU Efficient? Do We Want To Be?

11:20 AM–11:35 AM

Scott Wyatt

063 The Importance of Salient Information on the Decision to Enroll in College

11:40 AM–11:55 AM

Jonathan Frehner

Mentor: Joshua Price

SESSION FOUR

ED 102 1:00–1:55

064 Nobleman's Auto Hobby Shop

01:00 PM–01:15 PM

jonathan nobles

Mentor: Shalini Kesar

065 Business & Entrepreneurship in China

01:20 PM–01:35 PM

Nicholas Perkins

Mentor: Bruce Haslem

066 Marketing and Psychology: Adolescent Development Theories Applied to Advertisements

01:40 PM–01:55 PM

Angela Day

Mentor: Bradley Gregory





OUTDOOR ENGAGEMENT & ENVIRONMENTAL STEWARDSHIP

SESSION ONE

ED 205 9:00–9:55

067 Outdoor Outcomes 09:00 AM–09:15 AM

Briget Eastep

068 Tomorrow's Public Land Leaders 09:20 AM–09:35 AM

Miranda Gubler, Brian Raper, Caleb Smith

069 Search and Rescue Training 09:40 AM–09:55 AM

Chris Powell

Mentor: Shalini Kesar

SESSION TWO

ED 205 10:00–10:55

070 Southern Utah National Park Visitor Experience

10:00 AM–10:15 AM

Emmett Steed, Kelly Goonan, Michael Kroff

071 The 1931 Claflin Emerson Archaeological Expedition

10:20 AM–10:35 AM

James Aton

072 An Historic Stroll through Zion, Cedar Breaks, and Bryce Canyon 10:40 AM–10:55 AM

Paula Mitchell

SESSION THREE

ED 205 11:00–11:55

073 Gold King Mine Spill Environmental Effects

11:00 AM–11:15 AM

Kaylee Johnson, Macee Black, Trystan Blake, Alex Brown

Mentor: Kim Weaver

074 Parallel Threats between the Deserts of Utah and the Subtropical Everglades. 11:20 AM–11:35 AM

Miranda Roland

Mentor: Jacqueline Grant

075 Channel Evolution on the Lower San Juan River, Southeast Utah 11:40 AM–11:55 AM

Jeffry Yon, Johnny MacLean

Mentor: Johnny MacLean

SESSION FOUR

ED 205 1:00–1:55

076 Structural Collapse of an Ancient Nevadan Supervolcano 01:00 PM–01:15 PM

Chesley Gale, Brennan Brunsvik, Mackenzie Cope

Mentor: Johnny MacLean

077 AdventuresRated.com 01:20 PM–01:35 PM

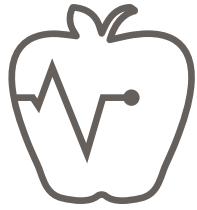
Brent Foster

Mentor: Shalini Kesar

078 Utah Rocks! A Layman's Guide to Some of the State's Spectacular Geology 01:40 PM–01:55 PM

Robert Eves





RESEARCH TO ENHANCE OUR PHYSICAL AND/OR MENTAL WELL-BEING

SESSION ONE ED 202 9:00–9:55

- 079 Can Exercise Help Students with ADHD in the Classroom?** 09:00 AM–09:15 AM
Jeffery Hart
- 080 Neurobiology of Behavioral Addictions** 09:20 AM–09:35 AM
Abigail Larson
- 081 Physical Activity and Academic Performance**
09:40 AM–09:55 AM
Dave Phillips

SESSION TWO ED 202 10:00–10:55

- 082 Sources of Stress and Coping Mechanisms in SUU Pre-Health Students** 10:00 AM–10:15 AM
Phillip Hilton, Matthew Vaughn, Helen Boswell, Rita Osborn
Mentor: Helen Boswell
- 083 Mindful Learning** 10:20 AM–10:35 AM
Earl Mulderink

- 084 Priming Attraction** 10:40 AM–10:55 AM
Lisa George
Mentor: Lynn White

SESSION THREE ED 202 11:00–11:55

- 085 Creating an Inspiring College Campus** 11:00 AM–11:15 AM
Sandra Keck
Mentor: John Belk
- 086 Caffeine: The Price of Energy** 11:20 AM–11:35 AM
Jessica Pullan, Paulina Guerrero, Celeste Mayhew
Mentor: Kim Weaver
- 087 Determination of Genetic Evidence of the Asthma Phenotype within the Founder Population of Utah**
11:40 AM–11:55 AM
Alyssa Brown, Emily James
Mentor: Paul Pillitteri

SESSION FOUR ED 202 1:00–1:55

- 088 Ouch that Hurt! Or Does it?** 01:00 PM–01:15 PM
Alexis Nelson
Mentor: Lynn White
- 089 Concussions in Sport** 01:20 PM–01:35 PM
Brittany Goldberg
Mentor: Ricky Mendini
- 090 A Self-study and Behavioral Intervention for Lip-Biting**
01:40 PM–01:55 PM
Tricia Garcia
Mentor: Lynn White



SESSION FIVE

ED 202 2:00–2:55

091 The Prevalence of Depression and Concussions in Semi-Professional and Professional Football Players

02:00 PM–02:15 PM

Abigail Larson, Jay Pryor, Mark DeBeliso

092 Self vs. Other Administration of a Noxious Stimulus: The Moderating Effect of Locus of Control on Anticipatory and Post-stimulus Pain

02:20 PM–02:35 PM

Lynn White, Alexis Nelson

093 A Smart Sepsis Monitor for Developing Countries

02:40 PM–02:55 PM

Alex Kratville, Mindy DeWaal

Mentor: John Murray

SESSION ONE

ED 203 9:00–9:55

094 The Effects of Electronic Communication on Interspersal Communication Skills

09:00 AM–09:15 AM

Angela Day

Mentor: Grant Corser

095 Coercion in American Medicine

09:20 AM–09:35 AM

Morgaine Donohue

Mentor: John Belk

096 Marriage: Gratitude Improves Marital Satisfaction

09:40 AM–09:55 AM

Andrea Empey, Daniel Hatch, Nickolas Jones, Tasha Lewis, Kim Sims,

Norberto Rodriguez

Mentor: Daniel Hatch

SESSION TWO

ED 203 10:00–10:55

097 Glycemic Dependent Cephalic Phase Blood Glucose Responses to the Sight versus Smell of Food

10:00 AM–10:15 AM

Aferdit Sadrija

Mentor: Lynn White

098 Food Protein Enterocolitis Syndrome

10:20 AM–10:35 AM

Paige Milar

Mentor: Nica Clark

099 Evaluation of the Stereochemical Selectivity of the Nucleophilic Addition Reaction of the Menthylmagnesium Chloride Grignard Reagent with Electrophiles

10:40 AM–10:55 AM

Rebecca Maedgen, Nathan Werner

Mentor: Nathan Werner

SESSION THREE

ED 203 11:00–11:55

100 Determination of Sulfate and Chloride Ion Concentrations in Coal Creek Near Cedar City, Utah Using Ion Chromatography

11:00 AM–11:15 AM

Sidney Vowles, Dalton Mackelprang, Youngri Jung

Mentor: Kim Weaver

101 Preparation of t-Butyldimethylphosphine Borane and t-Butyldiethylphosphine Borane by Selective Grignard Reagent Substitution of Phosphorus Trichloride

11:20 AM–11:35 AM

Nathan Werner, Auston Butterfield, Matthew Prater

102 Analyzing Chlorophyll Concentration

11:40 AM–11:55 AM

Ashlie Pender, Andy Larsen, Jonah Hafen, John Terrel

Mentor: Kim Weaver





SCHOLARSHIP OF TEACHING & LEARNING

SESSION ONE

BU 101 9:00–9:55

103 Problem-based Learning/Instruction 09:00 AM–09:15 AM

Tony Pellegrini

104 An Interdisciplinary Approach to Undergraduate Research and Pedagogy in Two Upper Level Geology Courses 09:20 AM–09:35 AM

Jason Kaiser, Johnny MacLean

105 Project Based Learning: Myths and Realities in Implementing PBL in the Classroom 09:40 AM–09:55 AM

Stephanie Weaver

SESSION TWO

BU 101 10:00–10:55

106 Project-based Instruction 10:00 AM–10:15 AM

Tony Pellegrini

107 Finding Educational Freedom Beyond the Syllabus

10:20 AM–10:35 AM

Alyssa Brown

Mentor: Kyle Bishop

108 Bryce Canyon Connections: A 2-week Learning Opportunity for Incoming Honors Freshmen

10:40 AM–10:55 AM

Johnny MacLean, Grant Corser

SESSION THREE

BU 101 11:00–11:55

109 (Non) Canonical Texts and Teaching the History of Philosophy 11:00 AM–11:15 AM

Kristopher Phillips

110 Implementation of Inquiry-Based Labs in General Chemistry 11:20 AM–11:35 AM

Daniel Eves, Kristina Bronsema, Amber McConnell

111 Creative Workshop Across the Disciplines

11:40 AM–11:55 AM

Chelsea Campbell

SESSION FOUR

BU 101 1:00–1:55

112 Playing Nicely with Others: The Use of Cooperative and Competitive Play in Writing Centers 01:00 PM–01:15 PM

Katie Johnston, Sarah Laver, Carly Olsen

Mentor: Julia Combs

113 Homo Ludens and Wolfram: Play in Parzival

01:20 PM–01:35 PM

James Harrison

114 Adding Creativity to Library Instruction: Using Games as Effective Teaching Tools 01:40 PM–01:55 PM

Loralyn Felix, Paula Mitchell

SESSION FIVE

BU 101 2:00–2:55

115 Academic Impact: Experiential Learning in the Southern Utah Museum of Art 02:00 PM–02:15 PM

Rachel Bishop



116 "Days of Heaven": Using Film to Teach the Lyric

Sequence 02:20 PM–02:35 PM

Danielle Dubrasky

117 Conceptual Variety: The Director's Vision, Metaphor, The Aim

02:40 PM–02:55 PM

Scott Knowles

SESSION ONE

BU 102 9:00–9:55

118 Differences in Daily Time Distribution of Full-time Students at SUU

09:00 AM–09:15 AM

Michael Finch, Lee WonSeok, Nate Stone, Ashley Tyndall, Kacey Hutchinson

Mentor: Cecilia Weingartner

119 Using Behavioral Economics in Higher Education

09:20 AM–09:35 AM

Joshua Price

120 Give it to a Busy Person: An Analysis of Employment and GPA

09:40 AM–09:55 AM

Kyle Harvey

Mentor: Kim Craft

SESSION TWO

BU 102 10:00–10:55

121 Teaching With Digital Swag in Theatre Arts

10:00 AM–10:15 AM

Brian Swanson

122 Online Technology Self-Efficacy and Students' Preferred Media in Online Learning

10:20 AM–10:35 AM

Michiko Kobayashi

123 Teaching a Mathematics Course using Open Educational Resources (OER)

10:40 AM–10:55 AM

Andrew Misseldine

SESSION THREE

BU 102 11:00–11:55

124 FlipDek Accelerated Learning

11:00 AM–11:15 AM

Jay Merryweather

125 Promoting Math Proficiency: Principals to Action

11:20 AM–11:35 AM

Leilani Nautu

126 Essentials of Mobile Learning: Research

11:40 AM–11:55 AM

Michelle Thayer

SESSION FOUR

BU 102 1:00–1:55

127 Mathematical Quality of Instruction

01:00 PM–01:15 PM

Bryan Bradford

128 Facing the Dragon: Helping Academic Tutors Conquer Creative Writing

01:20 PM–01:35 PM

Brandon Wheeler, Allison Borzoni

Mentor: Julia Combs

129 Empowered

01:40 PM–01:55 PM

Bethany Liedtke

Mentor: Michelle Grimes

SESSION FIVE

BU 102 2:00–2:55

130 Scaling and Sustaining Curriculum Change in CS1

02:00 PM–02:15 PM

Cecily Heiner

131 Using Canvas in a Studio Course

02:20 PM–02:35 PM

Ean Harker

132 Incorporating Ethical Practices: CSIS Capstone Pedagogy

02:40 PM–02:55 PM

Shalini Kesar





INNOVATIONS IN SPECIALIZED DISCIPLINES

SESSION ONE BU 106 9:00–9:55

- 133 "No, I Will Not Accept This Rose": Reality Dating and the Millennial Generation's Marriage Decline** 09:00 AM–09:15 AM
Alyssa Christensen
Mentor: *Lisa Arter*
- 134 Taco the Puppy is Super Sick: Student Excuses as a Unique Form of Apologia Rhetoric** 09:20 AM–09:35 AM
Michael Ostrowsky, Kevin Stein
- 135 How to Succeed in College** 09:40 AM–09:55 AM
April Pettit
Mentor: *Ty Redd*

SESSION TWO BU 106 10:00–10:55

- 136 Plato's Permissible Poetry** 10:00 AM–10:15 AM
Tessa Brunnenmeyer
Mentor: *Kirk Fitzpatrick*
- 137 A Critique of Humanist Marxism** 10:20 AM–10:35 AM
Sam Cook
Mentor: *Brad Cook*

- 138 Rilke's "Malte Laurids Brigge": Destabilizing Philosophy and Literature** 10:40 AM–10:55 AM
Nozomi Irei

SESSION THREE BU 106 11:00–11:55

- 139 The Master's Social Privilege: Structural Violence in The Taming of the Shrew** 11:00 AM–11:15 AM
Megan Fawson
Mentor: *Jessica Tvordi*
- 140 Are There Two or is It Just One? A Look at Semantic Disambiguation Strategies in Spanish** 11:20 AM–11:35 AM
Junice Acosta
- 141 The Dynamics of Power in the Persian Gulf 1971-2016** 11:40 AM–11:55 AM
G. Michael Stathis

SESSION FOUR BU 106 1:00–1:55

- 142 Taxis vs. Technology: Uber's Triumph Through SmartPhones** 01:00 PM–01:15 PM
Sehrish Sohel
Mentor: *Joe Baker*
- 143 Dialects in Southern Utah: A Study** 01:20 PM–01:35 PM
Rachel Leibold
Mentor: *Michael Ostrowsky*
- 144 On the Predictability of Stock Market Returns** 01:40 PM–01:55 PM
Kadin Farnsworth, Saïd Bahi
Mentor: *Saïd Bahi*



SESSION FIVE

BU 106 2:00–2:55

145 Feedback Control System Design and Implementation

02:00 PM–02:15 PM

Alex Umholtz, Steven Stratton, Jeffrey Nosack

Mentor: John Murray

146 Creating a Sounding Rocket 02:20 PM–02:35 PM

Ashley Sorcic, Tim Austin, Josh Nowell, McKay Swainston, Tyson Jewkes, Jeff Nosack, Jayson Kovar, Evan Ross, Eric Sandall, Austin Nguyen, Alex Umholtz

Mentor: Scott Munro

147 Analogies between Integers and Permutations

02:40 PM–02:55 PM

Andreas Weingartner

SESSION ONE

BU 110 9:00–9:55

148 Making CSI Dreams a Reality: Microfluidic DNA and Small Molecule Analysis 09:00 AM–09:15 AM

Allison Hadley, Mandy Nelson

Mentor: Christopher Monson

149 Self-Shading Cosmetics 09:20 AM–09:35 AM

Macee Black, Celeste Mayhew

Mentor: Ty Redd

150 Microfluidic Pseudocapillary Columns: the Next Step in Protein Filtration 09:40 AM–09:55 AM

Christopher Reynolds, Joseph Manring

Mentor: Christopher Monson

SESSION TWO

BU 110 10:00–10:55

151 Supported Lipid Bilary Stripping via Microfluidics

10:00 AM–10:15 AM

Whitney Hansen

Mentor: Chris Monson

152 Novel Synthesis of Pyridine and Phenyl Substituted Benzenes 10:20 AM–10:35 AM

Adam Penrose, Dan Taylor, Andrew Larsen

Mentor: Mackay Steffensen

153 Datura: Beautifully Toxic 10:40 AM–10:55 AM

Celeste Mayhew

Mentor: Shalini Kesar

SESSION THREE

BU 110 11:00–11:55

154 The Effects of *Umbellularia californica* Terpenoids on Vascular Smooth Muscle 11:00 AM–11:15 AM

Bodrie Jensen, Mark Albrecht, Skyler Buck

Mentor: Matthew Weeg

155 Population Genetics and Paternity of Tent Caterpillars (*Malacosoma californicum*) in Southern Utah

11:20 AM–11:35 AM

Laurie Mauger, Stacy Craft, Emily Taylor, Alex Montoya, Blair Richie

156 Preliminary Mating Analysis of American Crocodiles, *Crocodylus acutus*, in Las Baulas, Santa Rosa, and Palo Verde National Parks, Guanacaste, Costa Rica

11:40 AM–11:55 AM

Laurie Mauger, Kiristin Budd



SESSION FOUR

BU 110 1:00–1:55

157 New Constructions for Decompositions of λK_n into LW and OW Graphs 01:00 PM–01:15 PM

Derek Hein

158 Growth in Baumslag-Solitar Groups II: Asymptotics

01:20 PM–01:35 PM

Eric Freden

159 Numerical Analysis of a Nonlocal Cahn-Hilliard System

01:40 PM–01:55 PM

Jianlong Han

SESSION FIVE

BU 110 2:00–2:55

160 Study of a Mathematical Model for the Growth of Microorganisms 02:00 PM–02:15 PM

Ian Kesler, Vic Conklin

Mentor: Jianlong Han

161 Supported Lipid Bilayer Research at SUU: New Techniques and New Technologies 02:20 PM–02:35 PM

Chris Monson, Cameron Cooper, Mason Valentine, Whitney Hansen, Stephen Smith, Joshua Reid, Christopher Reynolds, Mike Trujillo, Tyler Scholes, Conner Winegar, Travis Bulloch, Madeline Parson, Tyler Argyle

162 Simple Heat Transfer Experiment to Evaluate the Solid/Liquid Phase Change Thermal Energy Storage System

02:40 PM–02:55 PM

Ali Siahpush



PERFORMANCES

Presentation ID#:
163-178

SESSION ONE

MU-THORLEY RECITAL HALL 9:00-9:55

163 The Game of Life 09:00 AM–09:10 AM

Ashlee Koller, Alysa Hinton
Mentor: Danielle Dubrasky

164 Walking the Plank 09:15 AM–09:25 AM

Brock Bentley, Mary Shilling
Mentor: Danielle Dubrasky

165 The Spotted Shell 09:30 AM–09:40 AM

Maggie Martin, Jordan Bayleis
Mentor: Danielle Dubrasky

166 Galatea 09:45 AM–09:55 AM

Chris Christiansen, Britney Whitney
Mentor: Danielle Dubrasky

SESSION TWO

MU-THORLEY RECITAL HALL 10:00-10:55

167 Obscure Vision 10:00 AM–10:15 AM

Ernesto Balderas
Mentor: Megan Brunsvold

168 The Collaborative Process: A Blending of Dance, Music, and Theatre 10:20 AM–10:35 AM

Denise Purvis

169 Lament 10:40 AM–10:55 AM

Stephanie Fausett, Britney Whitney, Mary Schilling
Mentor: Patricia Meredith

SESSION THREE

MU-THORLEY RECITAL HALL 11:00-11:55

170 Ellipses 11:00 AM–11:15 AM

LayCee Houghton
Mentor: Patricia Meredith

171 Minutes: A Song Cycle 11:20 AM–11:35 AM

Brandon Grayson, Alec Terberg, Keaton Johns, Sara Funk, Christopher Whiteside, Colton Needles, Holly Barrick, Courtney McMullin, Evangeline Stott
Mentor: Peter Sham

172 TBA 11:40 AM–11:55 AM

Savana Anderson, Alysa Hinton, Bri Rhodes, Catlyn Griswell, Hayley Ruud, Isaac Rosales, Jaymi Crosier, Katie Anderson, Kyrsten Harper, Lisa Weng, Morgan Doman, Sydney Anderson
Mentor: Patricia Meredith

SESSION FOUR

MU-THORLEY RECITAL HALL 1:00-1:55

173 I See You 01:00 PM–01:10 PM

Kylie Owens, Britney Whitney
Mentor: Danielle Dubrasky

174 Luck Lives in Jars 01:15 PM–01:25 PM

Micala Downs, Rae Anderson
Mentor: Danielle Dubrasky

175 I am Lost 01:30 PM–01:40 PM

Sean Brandenburg, LayCee Houghton
Mentor: Danielle Dubrasky

176 Ellipses 01:45 PM–01:55 PM

Megan Wesko, Mekinzey Houghton
Mentor: Danielle Dubrasky

SESSION FIVE

MU-THORLEY RECITAL HALL 2:00-3:00

177 The Music Major: China vs. US 02:00 PM–03:00 PM

Wenyu Shu, Xun Sun
Mentor: Christian Bohnenstengel

INDEPENDENT SESSION

BUSINESS QUAD 11:45-1:00

**178 Live Art Performance by SUU Students and Faculty
“Giant Cyanotype”** 11:45 AM–01:00 PM

Rheana Gardner, Angela Billings, Justin Bottazzi, Damon Day, Megan DeLaigle, Michelle Gray, Halie Hagerty, Aungelique Jimerson, Sierra Plumhof, Shari Rudd, Jessica Stier, Michelle Zoufall

DISPLAYS & POSTER PRESENTATIONS

Presentation ID#:
179-289

POSTER PRESENTATIONS

ST-BALLROOM | 9:00–10:00

179 So You Speak That Spanish: The Influence of Stereotypes on Spanish Phonetics

Jandi Hansen

Mentor: Junice Acosta

180 Sheep to Shawl

Mary Taylor

Mentor: Shobha Gurung

181 Where Is The Potential Largest Market For Online Gambling/Gaming?

Nathan Bennett

Mentor: Shalini Kesar

182 Disease Prevention for College Students through Diet

Morgan Skaggs, Tyler Bahoravitch, Chelsie Harper

Mentor: Alan Pearson

183 Stress Management for At Risk Adolescents

Rachel Christensen, Erika Kunzler, Haley Vanhille, Kelsie Morgan

Mentor: Alan Pearson

184 Stress and Time Management

Kris Hiatt, Stephanie Keliipuleole, Kelby Hulet

Mentor: Alan Pearson

185 Correlation of Past Physical Education and Preferable Sports

Seonwoong Kim

Mentor: Cecilia Weingartner

186 Advertising Strategies for College Students

Helena Looser

Mentor: Cecilia Weingartner

187 Cheers!

Erin Leilua, Joely Nelson, Cody White, Maria Piarulli, Carrissa Nelson

Mentor: Cecilia Weingartner

188 Bone to Cartilage Ratio Comparison of Male and Female Betta Fish Ornamentation Through Clearing and Staining

Alyssa Marabella, Stephanie Fausett, Taylor Hardman,

Zachary Mathews

Mentor: Fredric Govedich

189 Water Chemistry and Bacterial Diversity/Abundance of Cedar City Irrigation

Josh Matt, Andrew Weber

Mentor: Fredric Govedich

190 Kolob Canyon Review

Rachael Kissell, Karyn Vincent, Megan Wesko, Amber Beach,

Allison Borzoni

Mentor: Wynne Summers

191 Writing About My Writing

Kelsey Keener

Mentor: Lee Wood

192 Feasibility of Using Drones for Business

Jacob Whittier

Mentor: Shalini Kesar

193 Encryption Types in Daily Use

Jason Amberson, David Jacobsen, Abdullah Alrubayan

Mentor: Shalini Kesar

194 No Phishing Allowed!

Leo Putnam, Bandar Alqarni, Zach Christensen

Mentor: Shalini Kesar

195 The Use of Tablets in Aviation Training

Ben Hubatchek

Mentor: Shalini Kesar

196 Fake Fingers

Jeremy Seppi, Jared Smith

Mentor: Shalini Kesar

POSTER PRESENTATIONS

ST-BALLROOM | 9:00–10:00

197 Are You a Target?

Chris Wolf, Hussain Alkhlaifi, David Smith

Mentor: Shalini Kesar

198 Tokenization

Dietrich Nell, Jacob Whittier

Mentor: Shalini Kesar

199 Computing: Educating the Younger Generation in the Digital Age

Laurel Jefferies

Mentor: Shalini Kesar

200 A Sociolinguistic Study of Chicanos in Southern Utah

Clark Wilkey

Mentor: Junice Acosta

201 Effects of English on Bilingual Heritage Speakers

Zachary Glassett

Mentor: Junice Acosta

202 Opinions of Bullfighting

Natasha Keller

Mentor: Junice Acosta

203 SUU VS. South Korean University

Yaesol Lee

Mentor: Kurt Harris

204 Globally Engaged

Lauren Colby

Mentor: Tyler Stillman

205 How Does Educational Level Affect Your Word Choice?

Colson Healy

Mentor: Junice Acosta

206 An Analysis of the Conjunction Pero in Peruvian Spanish

Skyler Porcaro

Mentor: Junice Acosta

207 Assessing the Reliability and Validity of an Updated Form of the Wilson-Patterson Conservatism Scale

Matthew Christiansen

Mentor: Michelle Grimes

208 Stringer Performance Dragster Flow Simulations

David Weldon

Mentor: Scott Hansen

209 The Influence of Tourism

Zoe Vallee

Mentor: Cecilia Weingartner

210 Effects of Caffeine on the Performance in Collegiate Golfers

Nicole Thomas

Mentor: Shalini Kesar

211 Skin Protection Project

Megan Benner, Sage Dudley, Ali Prothero, Dani Smith

Mentor: Alan Pearson

212 Proper Sleep Hygiene of College Students

Kaycee Bogenschutz, Bonnie Gillies, Amber Gloster, Nick Hoyt

Mentor: Alan Pearson

POSTER PRESENTATIONS

ST-BALLROOM | 10:00–11:00

213 Consumers' Choice in Alcoholic Beverages

Shih-Ming Hu, Jill Grabowski, Joshua Fletcher, Yihuan Xu, Kylie Angus, Miranda Blackwell, Wadha Alotaibi, Sara Sterling, Taylor Viquelia, Levi Meachum, Cody Cuthbertson, Galina Espinoza

214 Effects of Utah Prairie Dog (*Cynomys parvidens*) Removal in Cedar City, Utah

Alyssa Marabella, Stephanie Fausett, Taylor Hardman, Bethany Kimball
Mentor: Jacqualine Grant

215 Small Business Marketing Strategies and Implementation for BenjaminSchaeferPhotography.com

Benjamin Schaefer
Mentor: Shalini Kesar

216 Unexpected Copper Nanoparticle Formation and Copper Dissolution

Emily Pehrson, Lohra Miller
Mentor: Chris Monson

217 Radio Frequencies as a Drug Delivery Method

Austin Pullan, Jessica Pullan, Bryce Taylor
Mentor: Helen Boswell

218 Kindness, Netrual, and Adversary - Three In One: "Being Human"

Tevita Sekeni
Mentor: Art Challis

219 Typical Behaviors and Performance

Daniel Blair, Grant Corser
Mentor: Grant Corser

220 Determining the Efficiency of Low-cost Detergent DNA Extraction from Hair Samples to Build a Genomic Mammal Library

Damaris Perez
Mentor: Jacqualine Grant

221 Aquaponics and the Diversity of Bacterial Biofilm Communities

Josh Matt, Andrew Carlson
Mentor: Jacqualine Grant

222 The Stratification of Desire: Racialized Sexual Politics & Interracial Marriage

Alexa LaBroad
Mentor: Jim McDonald

223 A Microfluidic Device for Oxygen Quantitation in Anoxic Environments

Aubriel Koehler, Lohra Miller
Mentor: Chris Monson

224 Nanoparticle Synthesis Facilitated by Microfluidic Devices

Logan Ostrom, John Terrel
Mentor: Chris Monson

225 Making CSI Dreams a Reality: Microfluidic DNA and Small Molecule Analysis

Allison Hadley, Mandy Nelson
Mentor: Christopher Monson

226 Can Microfluidic Devices Be Used to Monitor Chemical Reactions As They Occur?

Jaxon Barney, Colton Loftus
Mentor: Christopher Monson

227 Reconstitution of Supported Lipid Bilayers into Lipid Vesicles

Stephen Smith, Josh Reid, Whitney Hansen
Mentor: Christopher Monson

228 Engineering A Multi-Rotor Drone

Slader Carter, Shane Lee, Dan Giddings
Mentor: Matthew Roberts

POSTER PRESENTATIONS

ST-BALLROOM | 10:00–11:00

229 Streamlined Motorcyle

Austin Ekenstam, Sam Morris

Mentor: Matthew Roberts

230 Secondary Metabolite Diversity in Desert Soils

Elizabeth Pierce, Thomas Ellis

231 Website Aesthetics Impacts User Satisfaction and Actual Use: The Role of Trust and Focused Immersion

Dezhi Wu

232 Machine Learning: Students Procrastination

Cecilia Weingartner, Felix Weingartner

233 American Philanthropy: WWII to Present

Angela Pool-Funai

234 Bow Design Enhancements

Tiffany Maynes, Jeffrey Stratton

Mentor: Matthew Roberts

235 Biology of Arid Landscape Wetlands

Jason Stewart, Matz Indegard, Nayla Rhein, Jacob Preston,

Carl Hallows, Josh Matt, Bonnie A. Bain, Fredric R. Govedich

Mentor: Fredric Govedich

236 Revision of *Colossendeis colossea* Wilson, 1881 (Pycnogonida: Family Colossendeidae)

Coral Gardner

Mentor: Fredric Govedich

237 Alternative Recreational Shooting Methods to Increase Rodent Biodiversity

Skyler Maynes, Mallory McBride, Rylan Orton, Bryson Wood

Mentor: Jacqualine Grant

238 An Observational Analysis of the Mountain Pine Beetle and Pine Tree Mortality at Varying Elevation within Southern Utah

Austin Maddox

Mentor: Matt Ogburn

239 Natural and Anthropogenic Sounds in the Grand Staircase-Escalante National Monument

Britton Mace, Alex Vittum-Jones, Jennifer Anderson, Cesar Coronel

240 Social Media and Perfectionism

Stephanie Crank

Mentor: Grant Corser

241 Framing Effects on Subjective Mediums of Art: Social Cognitive and Individual Differences

Camille Wheatley

Mentor: Grant Corser

242 X-ray Crystallographic Analysis of Xylanase Crystals

Blake Overson

Mentor: Bruce Howard

243 Designing Transition-state Analogs of Malate Synthase as Drug Targets for Mycobacterium Tuberculosis

Sidney Vowles, Donald Long

Mentor: Bruce Howard

244 Trapping a Chemical Intermediate in the Catalytic Cycle of Malate Synthase

Connor Mooney, Dalles Keyes

Mentor: Bruce Howard

245 Metal Concentrations Found in Waterways in Southern Utah

Hailee Holt, Chandler Peterson, Lohra Miller

Mentor: Kim Weaver

246 Social Media Use and Stress in College Undergraduates

McKay Larsen

Mentor: Bradley Gregory

POSTER PRESENTATIONS

ST-BALLROOM | 11:00–12:00

247 University Housing & Residence Life

AJ Cozzens

Mentor: Michael Ostrowsky

248 Adoption and Delinquency Among Minors

Tayler Ellsworth

Mentor: Michael Ostrowsky

249 Schiff Base Coordination Compounds of Transition Metals, Preparation and Photophysical Properties

Mckenzie Jonely

Mentor: Hussein Samha

250 Conversion of Stable trans-Alkenes to Less Stable cis-Alkenes

Hailee Holt, Nathan Werner

Mentor: Nathan Werner

251 Different Personalities- Different Physiologies?

Katie Fairchild, Jake Davis, Andrea Empey

Mentor: Lynn White

252 The Alldredge Nonverbal Lie Detection Test

Cameron Alldredge

Mentor: Bradley Gregory

253 The Role of Shame in Treatment for Pornography Addiction: A Qualitative Study

Bradley Jones, Daniel Hatch, Jim Mock, Spencer Magleby,

Conner Motzki

Mentor: Daniel Hatch

254 The Role of Interpersonal Relations in Treatment for Pornography Addiction: A Qualitative Study

Ryan Busenbark, Cameron Alldredge, Morgan Condie, Nick Jones,

Jim Mock

Mentor: Daniel Hatch

255 Performance-enhancing Drugs in Sports

James Heuett

Mentor: Michael Ostrowsky

256 A Senior Capstone Project on the Student Support Center

Amber Farris

Mentor: Michael Ostrowsky

257 A study of Canyon Creek Women's Crisis Center

Quincee Jackson

Mentor: Michael Ostrowsky

258 Fall Leaves in Cedar City

Nicole Barnes

Mentor: Hussein Samha

259 Calorie Perception of College Students

Cody Patterson, Cristina Adolphson, Brandon Gagnon, Alyssa Gomez

Mentor: Matt Schmidt

260 Bridging the Gap: A Look into Cedar City's High School Transition to 1,2,4, or More

Nicole Treadway

Mentor: Jim McDonald

261 Synthesis of Antibiotics by Palladium Catalyzed Cross-Coupling of in situ Generated Secondary Amines

Elias Leavitt, Nathan Werner

Mentor: Nathan Werner

262 Synthesis of Chalcones Under Microwave Irradiation and with an Environmentally Friendly Catalyst

Adam Eddington, Nathan Werner

Mentor: Nathan Werner

263 Preparation of Alkyldiphenyl Phosphinite Ligands by Lewis Acid Catalyzed Nucleophilic Addition

Richard Saucedo, Nathan Werner

Mentor: Nathan Werner

264 The Site-Selectivity of Grignard Reagent Addition Reactions Chalcones

Taylor Sorenson, Nathan Werner

Mentor: Nathan Werner

POSTER PRESENTATIONS

ST-BALLROOM | 11:00–12:00

265 Benzoin Condensation Using Caffeine as a Catalyst

Peter Kemp, Nathan Werner

Mentor: Nathan Werner

266 The Alkylation of In Situ Produced Sulfonyl Anions

Krysten Tomlinson, Nathan Werner

Mentor: Nathan Werner

267 Stereoselective Preparation of (±)-Menthylformic Acid and its Derivatives

Myla Pereira, Nathan Werner

Mentor: Nathan Werner

268 Synthesis of a Potential Tuberculosis Therapeutic

Brandon Wilburn, J. Ty Redd, Bruce Howard, Nathan Werner

Mentor: Nathan Werner

269 Evolutionary Response to Traditional Gender Role Behaviors

Kalub Spendlove, Dominic Russell, Mandie Brenchley

Mentor: Lynn White

270 My Brain's Emotional

Anthony Erickson, Alexis Nelson, Natasha Lewis

Mentor: Lynn White

271 Mmmm That Smells Good!

Diana Moore

Mentor: Lynn White

272 Battle of the Sexes with Food Consumption in Public

Alondra Guerrero, Shannon Smith

Mentor: Lynn White

273 The Influence of Positive Conservative and Liberal Messages on Attitudes Towards Same-Sex Marriage

Garrett Strosser, Matthew Christiansen

274 Determinants of Health

Alan Pearson, Rebecca Rasmusson

275 Validation of Hexoskin Biometric Shirt to Cosmed K4b2 Metabolic Unit in Adults During Trail Running

Jacob Manning, Elizabeth Tanner, Julie Taylor, Jeff Montes, Damon

McCune, Tessa Koschel, Debra Tacad, Ashley Tovar, J.C. Young, Mark

DeBeliso, James Navalta

276 Childhood Food Experiences with Regard to Food Rewards and Punishments

Matt Schmidt

277 Festival of Excellence: By the Numbers

Jacob Ward

Mentor: Johnny MacLean

278 Getting Students Organized and Responsible for Their Own Work

Lisa Arter, Kenneth Ayers

279 Effective Web-Based Engineering and Technology Curriculum for Rural High Schools

Richard Cozzens

280 Testing the Physical and Chemical Homogeneity of a Cinder Cone: A Case Study of the Henry Knolls Cinder Cone Volcano in Southwest Utah

Richard Pratt

Mentor: Jason Kaiser

DISPLAYS

ST-BALLROOM | ALL-DAY

281 Diversity by Evolution

Miranda Roland

Mentor: Helen Boswell

282 Intuitive Drawing Workshop

Eric Brown, Dallas Hall, Somaia Afandi, Julie Crowell, Tori Hall, Kaylee Hoyt, Aungelique Jimerson, Karley Kershaw, Kayson Langford, Jessica Murano, Kailie Roberts, Emily Robison, Briana Sanchez, Jeremy Sorensen, Chris Stewart, Megan Bell, Olivia Braiker, Stephanie Cano, Richard Edwards, Mckenzie Esplin, Mervin Garcia, Tiffanie Glaze-Johnson, Shalon Hannifin, Sabrina Henderson, Caroline-Anne Hollow, Brittany McDonnell, Shanna Moss, Jenavieve Mueller, Nicole Rheault, Kaitlyn Smedley, Hannah Steed, Alexi Anderson, Ashlee Brown, Grayson Ekman, Kristen Ellsworth, Jessica Jones, Whitney Parry, Mallory Petersen, Minjoo Song, Joy Sterrantino, Eben Thomas, Mickelle Wilson

283 Biology "Seams"...

Abigail Barney

Mentor: Helen Boswell

284 Chinese painting Show

Yidan Guo, Gina Dodge, Lu Fan, Akina Johnson, Weiyu Li, Michelle Rossman, Sharilyn Shumway, Xuesi Zhou, Michelle Allen, Deborah Denney

285 Kinetic Poetic Typography

Jay Merryweather, Danielle Dubraski

286 HSS Reflections

Jay Merryweather, Jen Burt

287 Tomorrow's Public Land Leaders

Caleb Smith

288 No Habla History: Navigating Disciplinary Languages

Shannon Sheppard, Kelsey Keel, Brandon Prunty,

Matthew Christiansen

Mentor: Julia Combs

DISPLAYS

BC-BRAITHWAITE GALLERY | ALL-DAY

289 Exhibition of Artwork and Design Portfolios

Jeff Hanson, Zak Mitchell, McKenzie Gallegos, Kelsey Haddox, Allie Roundy, Jordan Hebner, Jordan Homer, Kaycee Chambers, Ben Sowards, Jay Merryweather

PECHA KUCHA PRESENTATIONS

Presentation ID#:
290-319

SESSION ONE

ST-LIVING ROOM 9:00–9:57

290 The Evolution of James Bond 09:00 AM–09:07 AM

Nate Dodge

Mentor: Sage Platt

291 Educational Outreach Around the World

09:10 AM–09:17 AM

Jacqueline Grant

292 Big Foot 09:20 AM–09:27 AM

Jennee Moore

Mentor: Sage Platt

293 Coyote Girl 09:30 AM–09:37 AM

Joshua Maxwell

Mentor: Sage Platt

294 Knock Knock 09:40 AM–09:47 AM

Madeline Townsend

Mentor: Sage Platt

295 Tomorrow 09:50 AM–09:57 AM

Melodie Farnsworth

Mentor: Sage Platt

SESSION TWO

ST-LIVING ROOM 10:00–10:57

296 Venetian Glass Exposed 10:00 AM–10:07 AM

Rhylie Anderson

Mentor: Sage Platt

297 What I Wish You Would Ask Me To Get To Know Me

10:10 AM–10:17 AM

Bailee Bahr

Mentor: Sage Platt

298 History of Basketball Uniforms 10:20 AM–10:27 AM

Bryson Lester

Mentor: Sage Platt

299 The Life of Shia LaBeouf 10:30 AM–10:37 AM

Riley Beck

Mentor: Sage Platt

300 City Dwellers 10:40 AM–10:47 AM

Sarah Henretty

Mentor: Sage Platt

301 Seth Macfarlane 10:50 AM–10:57 AM

Mike Mason

Mentor: Sage Platt

SESSION THREE

ST-LIVING ROOM 11:00–11:57

302 Melon Days 11:00 AM–11:07 AM

Kelsey Thatcher

Mentor: Sage Platt

303 Information Literacy: A Modern-Day Survival Skill

11:10 AM–11:17 AM

Anne Diekema

304 Advocating for the CASA Advocates 11:20 AM–11:27 AM

Rachel Leibold

Mentor: Andrea Donovan

305 A Wondrous World 11:30 AM–11:37 AM

Kelton Chapman

Mentor: Sage Platt

306 Tomorrow's Public Land Leaders 11:40 AM–11:47 AM

Brian Raper, Miranda Gubler, Caleb Smith

307 The Reticular Activating System, Your Brains Filter

11:50 AM–11:57 AM

Ben Lund

Mentor: Sage Platt

SESSION FOUR

ST-LIVING ROOM 1:00–1:57

308 Freedom of Press 01:00 PM–01:07 PM

Candace Oswald

Mentor: Sage Platt

309 The Benefits and Advantages of Travel, Adventure and Exploration 01:10 PM–01:17 PM

Michael Dallaire

Mentor: Sage Platt

310 Pornography Consumption and Related Neural Activity

01:20 PM–01:27 PM

Terri Atkinson

Mentor: Sage Platt

311 Montezuma's Lost Treasure 01:30 PM–01:37 PM

Lance Shearer

Mentor: Sage Platt

312 History of Coca Cola 01:40 PM–01:47 PM

Madison Wawrzyniak

Mentor: Sage Platt

313 Active Shooter 01:50 PM–01:57 PM

Bree Jones

Mentor: Sage Platt

SESSION FIVE

ST-LIVING ROOM 2:00–2:57

314 This is Not a Test: How High Stakes Testing is Cheating Children of the Education They Deserve

02:00 PM–02:07 PM

Lee Montgomery

315 Where is the Sun? 02:10 PM–02:17 PM

Cheyenne Cannon

Mentor: Sage Platt

316 Bizarre Pregnancy Cravings 02:20 PM–02:27 PM

Ashlee Haupt

Mentor: Sage Platt

317 The Eye of the Fly 02:30 PM–02:37 PM

Amanda Van

Mentor: Sage Platt

318 Conflict Resolution for a Solution Oriented Student

02:40 PM–02:47 PM

Victoria Schofield

Mentor: Sage Platt

319 The Fight of the Century 02:50 PM–02:57 PM

Hailee Simpson

Mentor: Sage Platt

SESSION DIRECTORY

Listed by session

SESSION ONE

Pecha Kucha
9:00-9:57

ID	Title	Room
290	The Evolution of James Bond	Living Room
291	Educational Outreach Around the World	Living Room
292	Big Foot	Living Room
293	Coyote Girl	Living Room
294	Knock Knock	Living Room
295	Tomorrow	Living Room

Presentations
9:00-9:15

ID	Title	Room
001	Nepali Migrant Women: Agency and Civic Citizenship	ED 215
016	"I Know It's Crazy" Watchmen as Intertextual Adaptation of The Catcher in the Rye	ED 103
031	Make a Heaven of Hell: Overcoming Oppression in Verse	ED 104
040	Tracking the Utah Summer Games	ED 115
055	Conducting Effective Professional Meetings	ED 102
067	Outdoor Outcomes	ED 205
079	Can Exercise Help Students with ADHD in the Classroom?	ED 202
094	The Effects of Electronic Communication on Interpersonal Communication Skills	ED 203
103	Problem-based Learning/Instruction	BU 101
118	Differences in Daily Time Distribution of Full-time Students at SUU	BU 102

9:00-9:15 CONT

133 "No, I Will Not Accept This Rose": Reality Dating and the Millennial Generation's Marriage Decline BU 106

148 Making CSI Dreams a Reality: Microfluidic DNA and Small Molecule Analysis BU 110

9:00-9:10

ID	Title	Room
163	The Game of Life	Thorley Recital Hall (MU 202)

9:15-9:25

ID	Title	Room
164	Walking the Plank	Thorley Recital Hall (MU 202)

9:20-9:35

ID	Title	Room
002	The Political Abstractification of Minorities & How Honest Human Connection Can Help Bridge the Divide it Creates	ED 215
017	Hyde, Hulk, Gollum, and I: An Exploration of Our Dark Sides	ED 103
032	Cradle Kings, Martial Maids, and the Construction of Protestant Masculinity in Shakespeare's First Tetralogy	ED 104
041	Quality Matters: SUU's Standard for Online Course Development	ED 115

9:20-9:35 CONT

056	Life Skills, Soft Skills, and Hard Skills, in that Order	ED 102
068	Tomorrow's Public Land Leaders	ED 205
080	Neurobiology of Behavioral Addictions	ED 202
095	Coercion in American Medicine	ED 203
104	An Interdisciplinary Approach to Undergraduate Research and Pedagogy in Two Upper Level Geology Courses	BU 101
119	Using Behavioral Economics in Higher Education	BU 102
134	Taco the Puppy is Super Sick: Student Excuses as a Unique Form of Apologia Rhetoric	BU 106
149	Self-Shading Cosmetics	BU 110

9:30-9:40

ID	Title	Room
165	The Spotted Shell	Thorley Recital Hall (MU 202)

9:40-9:55

ID	Title	Room
003	Local Politics: The Source of American Political Power	ED 215
018	American Trickster: Coyote Reborn in Neal Cassady	ED 103
033	Willy the Kid: Shakespeare in the American West 1850-1870	ED 104
042	Insights Gained from Tracking Attendance at SUU	ED 115

9:40-9:55 CONT

057	An Autoethnography of Heart-based Hope Leadership: A Matter of Life or Death	ED 102
069	Search and Rescue Training	ED 205
081	Physical Activity and Academic Performance	ED 202
096	Marriage: Gratitude Improves Marital Satisfaction	ED 203
105	Project Based Learning: Myths and Realities in Implementing PBL in the Classroom	BU 101
120	Give it to a Busy Person: An Analysis of Employment and GPA	BU 102
135	How to Succeed in College	BU 106
150	Microfluidic Pseudocapillary Columns: the Next Step in Protein Filtration	BU 110

9:45-9:55

ID	Title	Room
166	Galatea	Thorley Recital Hall (MU 202)

9:00-10:00

ID	Title	Room
179	So You Speak That Spanish: The Influence of Stereotypes on Spanish Phonetics	Ballroom
180	Sheep to Shawl	Ballroom
181	Where Is The Potential Largest Market For Online Gambling/Gaming?	Ballroom

9:00-10:00 CONT

182	Disease Prevention for College Students through Diet	Ballroom
183	Stress Management for At Risk Adolescents	Ballroom
184	Stress and Time Management	Ballroom
185	Correlation of Past Physical Education and Preferable Sports	Ballroom
186	Advertising Strategies for College Students	Ballroom
187	Cheers!	Ballroom
188	Bone to Cartilage Ratio Comparison of Male and Female Betta Fish Ornamentation Through Clearing and Staining	Ballroom
189	Water Chemistry and Bacterial Diversity/Abundance of Cedar City Irrigation	Ballroom
190	Kolob Canyon Review	Ballroom
191	Writing About My Writing	Ballroom
192	Feasibility of Using Drones for Business	Ballroom
193	Encryption Types in Daily Use	Ballroom
194	No Phishing Allowed!	Ballroom
195	The Use of Tablets in Aviation Training	Ballroom
196	Fake Fingers	Ballroom
197	Are You a Target?	Ballroom
198	Tokenization	Ballroom
199	Computing: Educating the Younger Generation in the Digital Age	Ballroom
200	A Sociolinguistic Study of Chicanos in Southern Utah	Ballroom

9:00-10:00 CONT

201	Effects of English on Bilingual Heritage Speakers	Ballroom
202	Opinions of Bullfighting	Ballroom
203	SUU VS. South Korean University	Ballroom
204	Globally Engaged	Ballroom
205	How Does Educational Level Affect Your Word Choice?	Ballroom
206	An Analysis of the Conjunction Pero in Peruvian Spanish	Ballroom
207	Assessing the Reliability and Validity of an Updated Form of the Wilson-Patterson Conservatism Scale	Ballroom
208	Stringer Performance Dragster Flow Simulations	Ballroom
209	The Influence of Tourism	Ballroom
210	Effects of Caffeine on the Performance in Collegiate Golfers	Ballroom
211	Skin Protection Project	Ballroom
212	Proper Sleep Hygiene of College Students	Ballroom

SESSION TWO

Pecha Kucha
10:00-10:57

ID	Title	Room
296	Venetian Glass Exposed	Living Room
297	What I Wish You Would Ask Me To Get To Know Me	Living Room
298	History of Basketball Uniforms	Living Room
299	The Life of Shia LaBeouf	Living Room
300	City Dwellers	Living Room
301	Seth Macfarlane	Living Room

Presentations
10:00-10:15

ID	Title	Room
004	Music-Filled Saturdays at Primary Children's Medical Center	ED 215
019	"Chuck" vs. Critical Theory	ED 103
034	Bio-mechanical Analysis of Swim Start	ED 104
043	Linux Malware Analysis	ED 115
058	SUU Credit for Previous Learning	ED 102
070	Southern Utah National Park Visitor Experience	ED 205
082	Sources of Stress and Coping Mechanisms in SUU Pre-Health Students	ED 202
097	Glycemic Dependent Cephalic Phase Blood Glucose Responses to the Sight versus Smell of Food	ED 203
106	Project-based Instruction	BU 101
121	Teaching With Digital Swag in Theatre Arts	BU 102
136	Plato's Permissible Poetry	BU 106

10:00-10:15 CONT

ID	Title	Room
151	Supported Lipid Bilary Stripping via Microfluidics	BU 110
167	Obscure Vision	Thorley Recital Hall (MU 202)

10:20-10:35

ID	Title	Room
005	Spirituals by Helen Tamiris	ED 215
020	The "Fallen" Man and Cinematic Imprisonment in Hitchcock's Vertigo	ED 103
035	Extreme Control Evolves to Chaos	ED 104
044	Intellectual Freedom and Online Privacy	ED 115
059	Why Community Engagement is Beneficial to Classroom Learning	ED 102
071	The 1931 Claflin Emerson Archaeological Expedition	ED 205
083	Mindful Learning	ED 202
098	Food Protein Enterocolitis Syndrome	ED 203
107	Finding Educational Freedom Beyond the Syllabus	BU 101
122	Online Technology Self-Efficacy and Students' Preferred Media in Online Learning	BU 102
137	A Critique of Humanist Marxism	BU 106
152	Novel Synthesis of Pyridine and Phenyl Substituted Benzenes	BU 110
168	The Collaborative Process: A Blending of Dance, Music, and Theatre	Thorley Recital Hall (MU 202)

10:40-10:55

ID	Title	Room
006	Shorties: Reusable Menstrual Pads	ED 215
021	The Truth is Hegemonized: The Danger of Nostalgic Hegemony in The X-Files "Home"	ED 103
036	Flippin' Better	ED 104
045	Radio Frequency Identification	ED 115
060	What We Have Learned About Jumpstart	ED 102
072	An Historic Stroll through Zion, Cedar Breaks, and Bryce Canyon	ED 205
084	Priming Attraction	ED 202
099	Evaluation of the Stereochemical Selectivity of the Nucleophilic Addition Reaction of the Menthylmagnesium Chloride Grignard Reagent with Electrophiles	ED 203
108	Bryce Canyon Connections: A 2-week Learning Opportunity for Incoming Honors Freshmen	BU 101
123	Teaching a Mathematics Course using Open Educational Resources (OER)	BU 102
138	Rilke's "Malte Laurids Brigge": Destabilizing Philosophy and Literature	BU 106
153	Datura: Beautifully Toxic	BU 110
169	Lament	Thorley Recital Hall (MU 202)

10:00-11:00

ID	Title	Room
213	Consumers' Choice in Alcoholic Beverages	Ballroom
214	Effects of Utah Prairie Dog (<i>Cynomys parvidens</i>) Removal in Cedar City, Utah	Ballroom
215	Small Business Marketing Strategies and Implementation for BenjaminSchaeferPhotography.com	Ballroom
216	Unexpected Copper Nanoparticle Formation and Copper Dissolution	Ballroom
217	Radio Frequencies as a Drug Delivery Method	Ballroom
218	Kindness, Netrual, and Adversary - Three In One: "Being Human"	Ballroom
219	Typical Behaviors and Performance	Ballroom
220	Determining the Efficiency of Low-cost Detergent DNA Extraction from Hair Samples to Build a Genomic Mammal Library	Ballroom
221	Aquaponics and the Diversity of Bacterial Biofilm Communities	Ballroom
222	The Stratification of Desire: Racialized Sexual Politics & Interracial Marriage	Ballroom
223	A Microfluidic Device for Oxygen Quantitation in Anoxic Environments	Ballroom
224	Nanoparticle Synthesis Facilitated by Microfluidic Devices	Ballroom
225	Making CSI Dreams a Reality: Microfluidic DNA and Small Molecule Analysis	Ballroom
226	Can Microfluidic Devices Be Used to Monitor Chemical Reactions As They Occur?	Ballroom

10:00-11:00 CONT

227	Reconstitution of Supported Lipid Bilayers into Lipid Vesicles	Ballroom
228	Engineering A Multi-Rotor Drone	Ballroom
229	Streamlined Motorcylce	Ballroom
230	Secondary Metabolite Diversity in Desert Soils	Ballroom
231	Website Aesthetics Impacts User Satisfaction and Actual Use: The Role of Trust and Focused Immersion	Ballroom
232	Machine Learning: Students Procrastination	Ballroom
233	American Philanthropy: WWII to Present	Ballroom
234	Bow Design Enhancements	Ballroom
235	Biology of Arid Landscape Wetlands	Ballroom
236	Revision of <i>Colossendeis colossea</i> Wilson, 1881 (Pycnogonida: Family Colossendeidae)	Ballroom
237	Alternative Recreational Shooting Methods to Increase Rodent Biodiversity	Ballroom
238	An Observational Analysis of the Mountain Pine Beetle and Pine Tree Mortality at Varying Elevation within Southern Utah	Ballroom
239	Natural and Anthropogenic Sounds in the Grand Staircase-Escalante National Monument	Ballroom
240	Social Media and Perfectionism	Ballroom
241	Framing Effects on Subjective Mediums of Art: Social Cognitive and Individual Differences	Ballroom
242	X-ray Crystallographic Analysis of Xylanase Crystals	Ballroom

10:00-11:00 CONT

243	Designing Transition-state Analogs of Malate Synthase as Drug Targets for Mycobacterium Tuberculosis	Ballroom
244	Trapping a Chemical Intermediate in the Catalytic Cycle of Malate Synthase	Ballroom
245	Metal Concentrations Found in Waterways in Southern Utah	Ballroom
246	Social Media Use and Stress in College Undergraduates	Ballroom

SESSION THREE

Pecha Kucha
11:00-11:57

ID	Title	Room
302	Melon Days	Living Room
303	Information Literacy: A Modern-Day Survival Skill	Living Room
304	Advocating for the CASA Advocates	Living Room
305	A Wondrous World	Living Room
306	Tomorrow's Public Land Leaders	Living Room
307	The Reticular Activating System, Your Brains Filter	Living Room

Presentations
11:00-11:15

ID	Title	Room
007	Training with Giles: Fitness in Nerd Culture	ED 215
022	Teaching Zombies, Developing Students: Pedagogical Success in The Girl with All the Gifts	ED 103

11:00-11:15 CONT

037	Poetry Reading from Ruin and Light	ED 104
046	Too Late?: Losing Newspapers as Historical Sources	ED 115
061	University Housing Succeed Initiative	ED 102
073	Gold King Mine Spill Environmental Effects	ED 205
085	Creating an Inspiring College Campus	ED 202
100	Determination of Sulfate and Chloride Ion Concentrations in Coal Creek Near Cedar City, Utah Using Ion Chromatography	ED 203
109	(Non) Canonical Texts and Teaching the History of Philosophy	BU 101
124	FlipDek Accelerated Learning	BU 102
139	The Master's Social Privilege: Structural Violence in The Taming of the Shrew	BU 106
154	The Effects of Umbellularia californica Terpenoids on Vascular Smooth Muscle	BU 110
170	Ellipses	Thorley Recital Hall (MU 202)

11:20-11:35

ID	Title	Room
008	Duality: Organized Religion and Spirituality	ED 215
023	The Identity Behind Erised The Effects of Trauma on the Mirror Stage in Harry Potter	ED 103
038	A "Preposterous and Menacing Absurdity"? C.P. Snow's "Two Cultures" Revisited	ED 104

11:20-11:35 CONT

047	Pamphlets in Early America	ED 115
062	Is SUU Efficient? Do We Want To Be?	ED 102
074	Parallel Threats between the Deserts of Utah and the Subtropical Everglades.	ED 205
086	Caffeine: The Price of Energy	ED 202
101	Preparation of t-Butyldimethylphosphine Borane and t-Butyldiethylphosphine Borane by Selective Grignard Reagent Substitution of Phosphorus Trichloride	ED 203
110	Implementation of Inquiry-Based Labs in General Chemistry	BU 101
125	Promoting Math Proficiency: Principals to Action	BU 102
140	Are There Two or is It Just One? A Look at Semantic Disambiguation Strategies in Spanish	BU 106
155	Population Genetics and Paternity of Tent Caterpillars (Malacosoma californicum) in Southern Utah	BU 110
171	Minutes: A Song Cycle	Thorley Recital Hall (MU 202)

11:40-11:55

ID	Title	Room
009	Dialects of the Body: Performing the Transnational "Yo"	ED 215
024	Disney Masculinity Study of Multiethnic Hiro	ED 103
039	The Evolution of I-Thou: Defining Love Across Commitment	ED 104

11:40-11:55 CONT

048	The Role of Exile and Journalism in the Formation of Female Latin American Intellectuals	ED 115
063	The Importance of Salient Information on the Decision to Enroll in College	ED 102
075	Channel Evolution on the Lower San Juan River, Southeast Utah	ED 205
087	Determination of Genetic Evidence of the Asthma Phenotype within the Founder Population of Utah	ED 202
102	Analyzing Chlorophyll Concentration	ED 203
111	Creative Workshop Across the Disciplines	BU 101
126	Essentials of Mobile Learning: Research	BU 102
141	The Dynamics of Power in the Persian Gulf 1971-2016	BU 106
156	Preliminary Mating Analysis of American Crocodiles, <i>Crocodylus acutus</i> , in Las Baulas, Santa Rosa, and Palo Verde National Parks, Guanacaste, Costa Rica	BU 110
172	TBA	Thorley Recital Hall (MU 202)

11:00-12:00 CONT

ID	Title	Room
247	University Housing & Residence Life	Ballroom
248	Adoption and Delinquency Among Minors	Ballroom
249	Schiff Base Coordination Compounds of Transition Metals, Preparation and Photophysical Properties	Ballroom

11:00-12:00 CONT

250	Conversion of Stable trans-Alkenes to Less Stable cis-Alkenes	Ballroom
251	Different Personalities- Different Physiologies?	Ballroom
252	The Alldredge Nonverbal Lie Detection Test	Ballroom
253	The Role of Shame in Treatment for Pornography Addiction: A Qualitative Study	Ballroom
254	The Role of Interpersonal Relations in Treatment for Pornography Addiction: A Qualitative Study	Ballroom
255	Performance-enhancing Drugs in Sports	Ballroom
256	A Senior Capstone Project on the Student Support Center	Ballroom
257	A study of Canyon Creek Women's Crisis Center	Ballroom
258	Fall Leaves in Cedar City	Ballroom
259	Calorie Perception of College Students	Ballroom
260	Bridging the Gap: A Look into Cedar City's High School Transition to 1,2,4, or More	Ballroom
261	Synthesis of Antibiotics by Palladium Catalyzed Cross-Coupling of in situ Generated Secondary Amines	Ballroom
262	Synthesis of Chalcones Under Microwave Irradiation and with an Environmentally Friendly Catalyst	Ballroom
263	Preparation of Alkyldiphenyl Phosphinite Ligands by Lewis Acid Catalyzed Nucleophilic Addition	Ballroom
264	The Site-Selectivity of Grignard Reagent Addition Reactions Chalcones	Ballroom

11:00-12:00 CONT

265	Benzoin Condensation Using Caffeine as a Catalyst	Ballroom
266	The Alkylation of In Situ Produced Sulfonyl Anions	Ballroom
267	Stereoselective Preparation of (±)-Menthylformic Acid and its Derivatives	Ballroom
268	Synthesis of a Potential Tuberculosis Therapeutic	Ballroom
269	Evolutionary Response to Traditional Gender Role Behaviors	Ballroom
270	My Brain's Emotional	Ballroom
271	Mmmm That Smells Good!	Ballroom
272	Battle of the Sexes with Food Consumption in Public	Ballroom
273	The Influence of Positive Conservative and Liberal Messages on Attitudes Towards Same-Sex Marriage	Ballroom
274	Determinants of Health	Ballroom
275	Validation of Hexoskin Biometric Shirt to Cosmed K4b2 Metabolic Unit in Adults During Trail Running	Ballroom
276	Childhood Food Experiences with Regard to Food Rewards and Punishments	Ballroom
277	Festival of Excellence: By the Numbers	Ballroom
278	Getting Students Organized and Responsible for Their Own Work	Ballroom
279	Effective Web-Based Engineering and Technology Curriculum for Rural High Schools	Ballroom

11:00-12:00 CONT

280	Testing the Physical and Chemical Homogeneity of a Cinder Cone: A Case Study of the Henry Knolls Cinder Cone Volcano in Southwest Utah	Ballroom
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11:00-12:00 CONT

ID	Title	Room
178	Live Art Performance by SUU Students and Faculty "Giant Cyanotype"	Business Quad

SESSION FOUR

Pecha Kucha
1:00-1:57

ID	Title	Room
308	Freedom of Press	Living Room
309	The Benefits and Advantages of Travel, Adventure and Exploration	Living Room
310	Pornography Consumption and Related Neural Activity	Living Room
311	Montezuma's Lost Treasure	Living Room
312	History of Coca Cola	Living Room
313	Active Shooter	Living Room

Presentations
1:00-1:15

ID	Title	Room
010	Using Theatre in London to Promote Lifelong Learning	ED 215
025	The Taste of Art	ED 103
049	From London to Amsterdam, Quakers in the Atlantic World	ED 115

1:00-1:15 CONT

064	Nobleman's Auto Hobby Shop	ED 102
076	Structural Collapse of an Ancient Nevadan Supervolcano	ED 205
088	Ouch that Hurt! Or Does it?	ED 202
112	Playing Nicely with Others: The Use of Cooperative and Competitive Play in Writing Centers	BU 101
127	Mathematical Quality of Instruction	BU 102
142	Taxis vs. Technology: Uber's Triumph Through SmartPhones	BU 106
157	New Constructions for Decompositions of λK_n into LW and OW Graphs	BU 110
173	I See You	Thorley Recital Hall (MU 202)

1:15-1:25

ID	Title	Room
174	Luck Lives in Jars	Thorley Recital Hall (MU 202)

1:20-1:35

ID	Title	Room
011	Humanitarian Aid and Sustainable Development in Guatemala	ED 215
026	Braintrails: The SUU Student Guide to Cedar City	ED 103
050	Action Reflects Attitude: A Study of the Leadership Involved in the Sand Creek, Washita, and Wounded Knee Massacres	ED 115
065	Business & Entrepreneurship in China	ED 102

077	AdventuresRated.com	ED 205
089	Concussions in Sport	ED 202
113	Homo Ludens and Wolfram: Play in Parzival	BU 101
128	Facing the Dragon: Helping Academic Tutors Conquer Creative Writing	BU 102
143	Dialects in Southern Utah: A Study	BU 106
158	Growth in Baumslag-Solitar Groups II: Asymptotics	BU 110

1:30-1:40

ID	Title	Room
175	I am Lost	Thorley Recital Hall (MU 202)

1:40-1:55

ID	Title	Room
012	Delivering Energy Free Healthcare Education To Global Communities	ED 215
027	Flash Mobs and Community	ED 103
051	Islamic Contributions to Western Civilization	ED 115
066	Marketing and Psychology: Adolescent Development Theories Applied to Advertisements	ED 102
078	Utah Rocks! A Layman's Guide to Some of the State's Spectacular Geology	ED 205
090	A Self-study and Behavioral Intervention for Lip-Biting	ED 202
114	Adding Creativity to Library Instruction: Using Games as Effective Teaching Tools	BU 101
129	Empowered	BU 102

1:40-1:55 CONT

144	On the Predictability of Stock Market Returns	BU 106
159	Numerical Analysis of a Nonlocal Cahn-Hilliard System	BU 110

1:45-1:55

ID	Title	Room
176	Ellipses	Thorley Recital Hall (MU 202)

SESSION FIVE

Pecha Kucha
2:00-2:57

ID	Title	Room
314	This is Not a Test: How High Stakes Testing is Cheating Children of the Education They Deserve	Living Room
315	Where is the Sun?	Living Room
316	Bizarre Pregnancy Cravings	Living Room
317	The Eye of the Fly	Living Room
318	Conflict Resolution for a Solution Oriented Student	Living Room
319	The Fight of the Century	Living Room

Presentations
2:00-2:15

ID	Title	Room
013	What the Dickens? They've Got Great Expectations!: Helping International Students Meet American University Outcomes	ED 215

2:00-2:15 CONT

028	Black Tar: The Dissolution of Friendship Through Heroin	ED 103
052	The "Swayback Maru": Utah Naval Veterans Recall Iwo Jima	ED 115
091	The Prevalence of Depression and Concussions in Semi-Professional and Professional Football Players	ED 202
115	Academic Impact: Experiential Learning in the Southern Utah Museum of Art	BU 101
130	Scaling and Sustaining Curriculum Change in CS1	BU 102
145	Feedback Control System Design and Implementation	BU 106
160	Study of a Mathematical Model for the Growth of Microorganisms	BU 110

2:20-2:35

ID	Title	Room
014	Cross-Cultural Virtual Exchange: An Examination of Affect and Method	ED 215
029	Labyrinth	ED 103
053	American Foreign Policy Leading Up to the Cold War	ED 115
092	Self vs. Other Administration of a Noxious Stimulus: The Moderating Effect of Locus of Control on Anticipatory and Post-stimulus Pain	ED 202
116	"Days of Heaven": Using Film to Teach the Lyric Sequence	BU 101
131	Using Canvas in a Studio Course	BU 102

2:20-2:35 CONT

146	Creating a Sounding Rocket	BU 106
161	Supported Lipid Bilayer Research at SUU: New Techniques and New Technologies	BU 110

2:40-2:55

ID	Title	Room
015	Classroom Engagement of ESL Students throughout Public Schooling	ED 215
030	Professional Experience in Making "Back Up the Mountain"	ED 103
054	Responding to Occupational Safety and Health Administration (OSHA) Whistleblower Investigations: Policy and Practice Issues for Employers	ED 115
093	A Smart Sepsis Monitor for Developing Countries	ED 202
117	Conceptual Variety: The Director's Vision, Metaphor, The Aim	BU 101
132	Incorporating Ethical Practices: CSIS Capstone Pedagogy	BU 102
147	Analogies between Integers and Permutations	BU 106
162	Simple Heat Transfer Experiment to Evaluate the Solid/Liquid Phase Change Thermal Energy Storage System	BU 110

2:00-3:00

ID	Title	Room
177	The Music Major: China vs. US	Thorley Recital Hall (MU 202)

ALL DAY EVENTS

ID	Title	Room
281	Diversity by Evolution	Ballroom
282	Intuitive Drawing Workshop	Ballroom
283	Biology "Seams"...	Ballroom
284	Chinese painting Show	Ballroom
285	Kinetic Poetic Typography	Ballroom
286	HSS Reflections	Ballroom
287	Tomorrow's Public Land Leaders	Ballroom
288	No Habla History: Navigating Disciplinary Languages	Ballroom
289	Exhibition of Artwork and Design Portfolios	Braithwaite Gallery (BC 101)

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Presenters by
Last Name, First Name

PRESENTER DIRECTORY

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