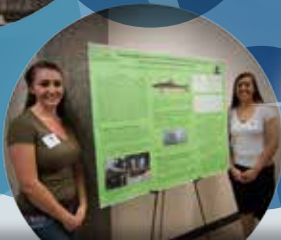




COLORADO MESA
UNIVERSITY

SEVENTH ANNUAL
STUDENT SHOWCASE
2016

Friday, April 29, 2016
SHOWCASE PROGRAM



coloradomesa.edu/showcase



Friday, April 29, 2016
Grand Junction, Colorado

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About the Student Showcase

The Student Showcase highlights student works involving creativity, discovery, research, innovation and/or entrepreneurship through sessions by undergraduates at Colorado Mesa University and Western Colorado



**WESTERN COLORADO
 COMMUNITY COLLEGE**
A Division of Colorado Mesa University

Community College. The Student Showcase builds on classroom experience and is a venue where students can share their work with faculty, student peers and community members. Students participating in this campus-wide forum have distinguished themselves as scholars. The *Showcase Proceedings* booklet contains the sessions' abstracts.

The Student Showcase Planning Committee extends appreciation to the students, judges, facilitators, escorts, and faculty sponsors for their participation in the Showcase and to the following CMU offices and programs that provided staff support for the this event: Academic Affairs, Facilities Services, Information Technology, the Mass Communication Program, Marketing and Public Relations and Tomlinson Library.

Special thanks to the following companies that provided donations for this event:

- Bocaza
- The Cashmere Slippers
- CMU Bookstore
- Enstrom Candies
- Four Winds Coffee and Tea
- Mountain Grind Coffee Company
- Outback Steakhouse
- The Point
- Sodexo Campus Services
- Yogo Mojo

PRESENTERS' NAMES AND TRACKS

Participant	Track	Participant	Track	Participant	Track
Nikolas Adams	12C	Colton Bowen	11, Special Exhibits	Fred Cook	3C
Jesus Aguirre	12E	Lance Bradford	12C	John Cools	5D
Christopher Aiken	4C	Patrick Breidel Jr	4C	Ashleigh Cooper	4A
Abigail Akin	4B	Haley Bright	5B	Corbin Cooper	Special Exhibits
Trevor Alberts	12C	Andrew Bristol	12A	Yareth Corral	5B
Duncan Alger	4A	Jessica Brittingham	5E	Rob Courtney	4C
Gary Allen	10D	Thomas Brooks	10A	Tiana Couse	9C
Emily Altenburg	5A	Layna Brown	10A	Emily Crine	10B
Alan Althoff	1B	Megan Brown	12A	Cassidy Crippen	7A
Jacob Ames	4A	William Brown	12C	West Crouch	3C
Dakota Amos	12E	Zachary Brown	1B	Jessica Cruz	5C
Dolores Anchondo	5A	Kelly Bryant	3B	Rachel Culpepper	12C
Laura Andersen	7C	Elliot Buchanan	12E	Melissa Cunningham	4A
Carter Anderson	12E	Christopher Buck	12A	Chaille Dalley	12C
Keren Lynne Angeles	2C	Krista Bullock	5C	Mark D'Ambrosio	10D
Kelsi Arrieta	2C	Katherina Burkett	2C	Micah Dancy	10D
Gabrielle Arterburn	9C	Nikole Burns	5A	Juanita Davidson	4C
Acacia Ator	5C	Colt Burtard	2C	Deseray Davis	2A
Thu Thu Aung	5E	Kayleigh Busse	7A	Ethan Davis	12C
Ashley Avery	5D	Brogan Butler	12C	Kori Davis	5B
Natalie Bagnard	12A	Andrea Campbell	5B	Peter Davis	4C
Quinnten Baker	12D	Aspen Campbell	5B	Andrea Deltondo	5D
Randal Baker	11, Special Exhibits	Frederick Candelario	4B	Chelsea Deming	4B
Nicole Balaz	5E	Kelsey Cantwell	8A	Jennifer Dennison-Jones	12D
Andris Balodis	12E	Diana Carey	5D	Miranda DePriest	2C
Daniele Balsamo	5E	Montgomery Carlo	12C	Nicholas Derr	5A
Kenneth Banning	12A	Bryan Carlson	10C	IvAnn Garcia Dickerson	12C
Sara Barrow	5B	Dusty Carlson	3B	Kaitlin Dillon	3C
Jesse Battles	1C	Kyra Carr	5B	Kristina Dooley	10A
Joshua Beacham	4B	Edgar Carrasco	12E, Special Exhibits	Gavin Downey	12A
Curtis Beckel	12D	Danielle Carrillo	10B	Stephanie Drake	5B
Ciara Beegle	4C	Danielle Carver	10A	Marie Dreher	6
Zachary Bellew	1B	Kristi Casias	5C	Priscilla Drewry	4B
Steven Belus	3C	West Castro	1B	Dane Dulaney	12B
Kasey Benish	Opening Session	Erica Chamberlain	5D	Mackenzie Dyer	4B
Ryan Benson	12B	Allison Chandler	5D	Tyler Ehlers	4C
Caitlyn Berry	5B	Mitchel Chavez	12C	Mark Eisenhauer	7B
Charles Bisbee	1B	Maren Cherveny	5A	Joshua Entrekkin	12E
Alaina Bittner	10A	Kevin Chlopek	1A	Carolyn Erickson	4C
Brandi Blackburn	5D	Shane Christensen	11, Special Exhibits	Enrique Escobar	4C
Benjamin Blandina	12A	Ashley Church	12C	Arminel Estevez	8C
Justin Blaskowsky	2C	Dane Clark	11	Alexis Evoniuk	6
Elisabeth Bloom	9B	Stacy Clark	5A	Jake Ten Eyck	3E
Jared Boese	1B	Chase Clayton	12E	Lucille Facinelli	4A
Tammy Bordlemay	5E	Cody Cline	10C	Rain Felkl	4A
Kayla Boria	5B	Mallory Coats	12E	Robert Fenske	1A, 4B
Che Bou-Matar	4B	Annette Coggins	5C	Cortney Ferganchick	5C
Brandon Bourg	Special Exhibits	Drew Collins	1A	Alexandra Fieber	12B
William Bovard	12D	Abigail Cook	4B	McCady Findley	3C

Participant	Track	Participant	Track	Participant	Track
Leslie Fink.....	5C	Caleb Hardaway.....	8A	Anna Johnson	2B
Ross Fischer.....	12B	Madison Harmes.....	4A	Gregory Johnson	5D
Hannah Fisher	10C	Aric Harper	12D	Tiana Johnson.....	9A
Kollin Fleener	5E	Zachary Harr	3B	Carlye Johnston	5A
Marayna Flemming.....	1B	Jessica Harrell	5C	Courtney Johnston	9C
Yelsi Flores.....	12C	Amelia Harris.....	5B	Westlyn Johnston	Special Exhibits
John Fowler.....	1A, 4B	Garrett Hause.....	1A	Kristopher Jones.....	12A
Devin Freda.....	Opening Session	Hayden Haveman	12E	Kailey Kaiser	5B
Kalvin Fukumoto	1A	William Hawk.....	6	Keegan Kaiser	12A, Special Exhibits
Ian Gallagher.....	3A	Kathryn Hawley	2A	Bethany Kanesky.....	1C
Gabriel Gallegos.....	10D	Nathan Hawley.....	Special Exhibits	Jacob Kaplan	3C
Elisa Galvan	7B	Madeleine Hayduk	4B	Mary Kastendieck	5D
Danny Gamboa.....	12C	Nicholas Hazlewood.....	12E	Angela Kastруп	5E
Adriana Garcia	3C	Gary Heard	Special Exhibits	Ryan Kawano.....	12A
Kylie Garcia	1B	Erik Heine	3B	Sean Kennedy	12A
Clancy Garoutte.....	12A	Cynthia Hennessey	5D	Willis Kennedy	9B
Timothy Gerken	3D	Savannah Herland.....	5A	Zachary Kennison.....	4B
Sierra Geroux	5B	Antonio Hermsillo	10C	Tessa Kester.....	6
Sean Gerving.....	1B	Francisco Hernandez.....	3C	Seirrho Key	10A
Ryann Gibbens.....	10A	Javier Romero Hernandez	12C,	Karen Keyes.....	5C
Dakota Giles.....	4B	Special Exhibits	Lacey Kilgore	4C
David Gilmore	1B	Kaylyn Higgins	8A	Kaitlynn King	10A
Kaitlyn Gilmore	3B	Kevin Hilken	12A, Special Exhibits	Marietta King	5D
Nathaniel Glennon	12C	Nicholas Hill	10A	Parker King	4C
Andrea Goble	5C	Brenna Hjelle.....	3C	Sarah King	5D
James Goff	3A	Jesie Hladik.....	3C	Kenneth Klein.....	12A
Anel Gomez	5C	Brandon Hoff.....	4C	Andrew Knarr	9C
Luiz Goncalves	12A	Jasmine Van't Hoff.....	5E	Samuel Knoll	12C
Gema Gonzalez	8C	Devon Hoffman.....	5A	Nellie Knutson-Steck	10A
Casey Gorsett	3C	Jordan Hoffman	9C	Isaac Koch	12A
Brittany Goss.....	5D	Cameron Honnen	10D	Jaden Koos.....	12E
Megan Goss.....	4A	Shanna Hoopengardner.....	1C	MaKayla Kovac.....	4B
Natalie Gould.....	8D	Dalton Horan.....	4C	Marta Kudasik	4A
Danielle Graf	5E	Kara Hotard.....	5D	Kase Kuhns	5E
Katrina Graff	5C	Carter Hough	1B	Emma La'a	4B
Elise Graham	5A	Natalie Houston.....	10D	Trey Lambrecht	12E
Austin Greaney	1A	Aaron Howell.....	12A	Danae Lanigan.....	12A
Walter Green.....	3E	Cole Hughes	4B	George Lara	12C
Chance Guerrero	12D	Lindsey Hunger.....	7B	Leandro Lara	12A
Mickey Guziak	3A	Carlos Ibarra.....	12B	Joseph Laughlin.....	10C
Brooke Haberkorn	5A	Talon Ivie.....	12C	Daniel Lawley	12D
Michael Hale	3D	Chelsea Jackson	4A	Rebeca Lechleitner	5E
Adam Hall.....	Special Exhibits	Noah Jackson.....	12E	Coryann Ledford.....	6
Jacob Hall.....	1A	Donald Jarrin.....	3D	Lauryn Lee	4C
Vail Hall.....	12B	Kirstin Jastak	9A	Lucas Lefebre	12E
Dylan Hallett.....	12C	Garrett Jensen	12C	Megan Lewin.....	Opening Session
Cara Hampton	4A	Keenan Jewkes	12B	Erin Lielkoks	6
Jennifer Hanel.....	5D	Corey Jimerson.....	4C	Rachael Lind.....	8A
Ashleigh Hansen.....	5A	Emily Jio	5B	Aspasia Linn	5D
Benjamin Hansen.....	11	Alexa Johnson.....	5B	Lauren Lipski	8A, 8C

Participant	Track	Participant	Track	Participant	Track
Hannah Liss	9A	Monika Milton	5D	Mecia Pitton	5A
Amanda Lloyd	5B	Thorsen Milton	12E	Sage Porter	1A
Curtis Logsdon	3C	Jacquelyn Minnillo	9A	Brianna Powell	3E
Carissa Loper	4C	Samantha Modrick	6	Elizabeth Prickett	4A
Emilia Ludwig	5A	Joseph Moher	10D	Roman Puzey	1A
Connor Lumley	Special Exhibits	Devin Montgomery	Special Exhibits	Jamie Quere	5B
Nicholas Mabry	4C	Kacee Montgomery	10C	Daniel Quin	12D
Micheal Macias	4B	Craig Moore	3C	Jordan Quintana	5E
Huntyr Maclaskey	5A	Kristina Morben	2B	Jaron Ragsdale	3D
Audrey Maclennan	3C	Tiffany Morford	5D	Christene Ragudos	12E
Audrey Maddox	8C	Bradley Morgan	12D	Stormy Ramsay	12D, Special Exhibits
Jordyn Madsen	2C	Cameron Morley	12A, 12B	William Ramsey	4B
Mikayla Mahovsky	1C	Allie Morris	6	Spencer Randolph	3C
Andrew Mansfield	3C	Crystal Morris	5B	Cody Rapke	3A
Bryn Marah	2A, 3C	Daniel Mott	4C	William Rasmussen	12B
Justin Marker	12D	Destiny Mullen	5C	Dalton Rauer	12E
Robin Marley	3B	Hayden Murphy	4B	James Ray	11, Special Exhibits
Jessica Marquez	5C	Michael Murphy	10A	Zachary Rea	10D
Gavin Marshall	11	Emily Nagel	4B	Danielle Recchia	5D
Mariah Martin	4A	Megan Neal	7C	Sophia Reck	2B
Alexander Martinez	1A	Philip Nelson	12B	Destinee Reed	10D
Gerardo Martinez	11	John Nielsen	12D	William Reed	4B
Trisha Martinez	5C	Thomas Nielson	12A, Special Exhibits	Mary Reuss	5C
Kristina Massey	Opening Session, 7A	Josiah Norfleet	1B	Mindy Rice	10A
Tanner Mast	12E	Scout Nunes	5D	Anna Rich	3C
Danielle May	2C	Treyton Nusbaum-Davis	3A	Katherine Richards	9A
Beth McBride	9C	Fredrick Nyamekye	12E	Ashley Rickstrew	5A
Amber McCormick	3B	Bryan Ohm	3D	Dustin Rivas	4C
Martha McCoy	10A	Kelsey Olson	7A	Chad Roberts	5A
Matthew McDonald	5D	Brittany Ott	5B	Michelle Robertson	9A
Nolan McDonald	3E	Parke Overmiller	4B	Delaney Robison	12D
William McDonald	3C	Clarisa Owens	3B	Ernesto Robles	12D
Katlynn McGee	5C	Jacob Pacheco	12E	Jaime Rodriguez-Roggie	12D
Anna McGinnis	4C	Gunnar Pagni	12B	Eivind Roed	12D
Courtney McGinnis	4A	Luke Pagni	12E	Kira Rogowski	3C, 10A
Ian McGuire	10D	John Palmer	11	Jordyn Roles	7C
Isah Mckenzie	10A	Mickala Palmer	2A	Shane Romero	11, Special Exhibits
Steven McKinley	9A	Jorge Pantoja	4C	Alec Rose	12D
Benjamin McLam	10D	Justin Pearce	2B	Jeffrey Ross	1B
Micah McLaren	12C	Luis Pena	4B	William Rozman	12D
Luke Mclean	4C	Ashly Pennington	2C	Jeannine Rubalcaba	5C
Kristina McLeslie	4C	Kathryn Perroni	7A	Orianna Rubin	3C
Makayla McMullen	7B	Melissa Peterson	2A	Taylor Rucker	12A
Allison McNulty	5B	Viktoria Petrose	9B	Morgan Ryan	Special Exhibits
Barbara Meeker	10A	Jazmyn Phillips	10C	Ryan Sachetti	12D
Jessica Meier	10B	Michelle Phillips	2C	Samantha Sams	8B
Chad Merrick	12D	Ellie Piffer	5E	Cheyenne Sanchez	4A
Douglas Mestas	5E	Whitney Pigao	5E	Lane Sanders	12C
Jessie-Marie Millican	1A	Rylan Piper	11, Special Exhibits	Adrian Sandoval	5D
Robert Millican	3A	Eric Pipkin	12E	Kristen Sandoval	5C

Participant	Track	Participant	Track	Participant	Track
Michael Sandoval.....	12C	Jared Taylor.....	12D	Kendra Williams.....	5A
Luke Sandstedt.....	4C	Jacie Temple.....	5D	Khallid Williams.....	1A
Jacob Santos.....	1B	Luis Terrazas.....	12D	Brittany Wilson.....	5B
Logan Saruwatari.....	1A, 1B	Denis Terzic.....	4B	Michaela Wilson.....	6
Victoria Sauer.....	3C	Nicolle Thatcher.....	5C	Shauna Wilson.....	4B
Olivia Sayer.....	2C	Josh Thompson.....	3A	Shon Wilson.....	3C
Luke Schaefer.....	1A	Steve Tomlinson.....	12C	Jessica Wolf.....	3C
Amber Schell.....	5D	Septimber Topai.....	5C	Alivia Wolfe.....	5B
Jared Schmidt.....	9A	Caitlin Torgerson.....	12C	Elizabeth Wood.....	6
Zachery Schuler.....	3C	Duncan Touzjian.....	10C	Jessica Wood.....	7A
Christina Schulte.....	3C	Aaron Troxel.....	12A	Megan Wood.....	8A
Hayleigh Scofield.....	7A	Desiree Trujillo.....	5C	Zoe Woodworth.....	4A
Katherine Scott.....	4A	Lorena Trujillo.....	4B	Carolina Yamada.....	12E
Nicholas Scott.....	3D	Adam Trumbo.....	3A	Courtney Yarbrough.....	9A
Kaitlin Senko.....	9C	Haley Turley.....	4C	Mary Young.....	2B
Jacob Serbousek.....	12D	Kathy Unger.....	5D	Dakota Yourkowski.....	12C
Kyle Serrano.....	4C	Raul Uribe.....	12D	Amber Ziek.....	5A
Charmaine Severin.....	7C	Casey Utemei.....	7C	Morgan Zillmann.....	5D
Benjamin Shaw.....	5E	Troy Utley.....	8B	Ryan Zinke.....	12E
Tyler Shehorn.....	12D	Tyler Vallin.....	12C		
Austin Shepherd.....	12E	Eric Vandenheuvel.....	9A		
Kandu Sherpa.....	5C	Leah Vanderheiden.....	5A		
Louis Morales Shnaider.....	8D	George VanDorpe.....	12E		
Cheryl Short.....	5A	Lisa VanKirk.....	3D		
Amber Sigler.....	5A	Robert VanRoosendaal.....	12A		
Nathan Simpson.....	9B	Melissa Vargas.....	10A		
Meagan Singh.....	7A	Dillon Vavak.....	12D		
Jessah Skalla.....	2A	Anna Velasquez.....	5C		
Linda Skinner.....	10A	Kaleen Velasquez.....	5C		
Benjamin Skogen.....	1B	Gregory Waldorf.....	12D		
Megan Smith.....	5D	Chris Walker.....	2B		
Dirk Smuin.....	Special Exhibits	Morgan Walker.....	3C		
Sean Snediker.....	12D	Christopher Walters.....	Special Exhibits		
Hans Snell.....	10D	Caitlin Warneke.....	5E		
Courtney Snyder.....	8D	Whitney Watson.....	2B		
Samuel Speir.....	10A	Rebecca Waugh.....	4A		
Charles Springer.....	3C	Ashley Weber.....	4B		
Jennifer Stahl.....	5C	Spencer Weinberg.....	4A		
Brandon Stanfield.....	9B	R. Jeremy Weiner.....	5A		
Melissa Statler.....	8A	Reo Weisgerber.....	Special Exhibits		
Terry Steele.....	5D	Tatti West.....	5A		
Kortni Stillwagon.....	10B	Zebulon White.....	12E		
Andrew Strait.....	12E	Rondelle Whittle.....	3E		
Priscilla Suarez.....	4A	Thaddeus Wilcox.....	5E		
Conner Swatloski.....	12C	Kendra Wildenberg.....	5B		
Michael Sweeney.....	1A	Teri Wilkes.....	5C		
Rachael Swiatek.....	3C	Cameron Williams.....	10A		
John Swiger.....	11, Special Exhibits	Colin Williams.....	10A		
Jeffery Takos.....	Special Exhibits	Corinne Williams.....	4A		
Brandon Taulbee ...	11, Special Exhibits	Jacob Williams.....	3B		

STUDENT SHOWCASE

Friday, April 29, 2016

Grand Junction, Colorado



PLEASE NOTE:

- See back cover for a Campus Map with locations.
- The "ABSTRACT PG #" refers to the 2016 *Showcase Proceedings* booklet which can be picked up in the University Center, Friday, April 29 from 1-4pm.



AWARDS CEREMONY

Meyer Ballroom in the University Center • Friday, April 29, 2016, 4:30pm



OPENING SESSION

Session Facilitator: Adam Rosenbaum

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
HIGHER EDUCATION TODAY: A TOWN HALL DEBATE SPONSORED BY ALPHA CHI				
Ballroom East	1:00-1:45	8	debate	Kasey Benish, Devin Freda, Megan Lewin, Kristina Massey
<i>Join us for a special presentation organized by CMU's chapter of Alpha Chi, the National College Honor Society. In this Townhall Debate, Colorado Mesa faculty and administration will respond to questions from audience members, with potential topics including state funding, standardization, and personal responsibility.</i>				



MATHEMATICS AND COMPUTER SCIENCE

TRACK 1A

Session Facilitator: Warren MacEvoy

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
WABI-SABI YOGA				
WS 115	2:00-2:15	35	oral	John Fowler, Garrett Hause, Khallid Williams
KIOSK PRESENTATION SOFTWARE FOR MODERN INFORMATION SOURCES				
WS 115	2:15-2:30	35	oral	Kalvin Fukumoto, Austin Greaney, Logan Saruwatari
MODERN WEB APPLICATION FOR RESERVATION AND INVENTORY TRACKING				
WS 115	2:30-2:45	27	oral	Drew Collins, Luke Schaefer, Michael Sweeney
THE POINT IPHONE APP				
WS 115	2:45-3:00	41	oral	Jacob Hall, Roman Puzey
MAVPLANNER				
WS 115	3:00-3:15	53	oral	Jessie-Marie Millican, Sage Porter
VIRTUAL LAB LIBRARY				
WS 115	3:15-3:30	26	oral	Kevin Chlopek, Robert Fenske, Alexander Martinez



MATHEMATICS AND COMPUTER SCIENCE

TRACK 1B

Session Facilitator: Ram Basnet

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
MAVFUEL COFFEE WS 118	2:00-2:15	19	oral	Jared Boese, Marayna Flemming, Kylie Garcia
TABLE TRACKR: A RESTAURANT TABLE MANAGEMENT SYSTEM WS 118	2:15-2:30	18	oral	Charles Bisbee, Zachary Brown, Carter Hough
TIMELY WS 118	2:30-2:45	17	oral	Zachary Bellew, West Castro, Benjamin Skogen
INK MAPS WS 118	2:45-3:00	37	oral	Sean Gerving, Jeffrey Ross, Jacob Santos
CMU SLIDER GAME WS 118	3:00-3:15	11	oral	Alan Althoff, David Gilmore, Josiah Norfleet, Logan Saruwatari



MATHEMATICS AND COMPUTER SCIENCE

TRACK 1C

Session Facilitator: Eric Miles

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
META-STRATEGIES IN THE PROPOSITIONAL LOGIC WS East Hallway	2:00-4:00	46	poster	Bethany Kanesky
HERBRAND STRUCTURES AND THE COMPLETENESS THEOREM FOR FIRST-ORDER LOGIC WS East Hallway	2:00-4:00	44	poster	Shanna Hoopengardner
DIGITAL SIGNATURESWS WS East Hallway	2:00-4:00	16	poster	Jesse Battles
FACTORIAL ANALYSIS WITH APPLICATIONS IN ACRYLIC ADHESIVES WS East Hallway	2:00-4:00	51	poster	Mikayla Mahovsky



BIOLOGICAL SCIENCES

TRACK 2A

Session Facilitator: Stephen Stern

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
DYSREGULATION OF MITOCHONDRIAL MEDIATED APOPTOSIS IN BREAST CANCER: DYNAMIN-RELATED PROTEIN 1 (DRP1) WS 117	2:00-2:15	42	oral	Kathryn Hawley
DRUG DISCOVERY: METHODS FOR USING <i>DICTYOSTELIUM DISCOIDEUM</i> MOTILITY TO CLASSIFY BIOACTIVE COMPOUNDS WS 117	2:15-2:30	62	oral	Jessah Skalla
CHARACTERIZATION OF TARDIGRADE GENUS COMPOSITION IN WESTERN COLORADO AND EASTERN UTAH, WITH SPECIAL EMPHASIS ON THE GENUS <i>ECHINISCUS</i> SCHULTZE, 1840 WS 117	2:30-2:45	56	oral	Mickala Palmer
HAPLOTYPE DIVERSITY AND GENETIC DIFFERENTIATION AMONG FOUR POPULATIONS OF SEA WORMS ALONG THE NORTHERN PACIFIC COAST OF THE UNITED STATES WS 117	2:45-3:00	30	oral	Deseray Davis
FLORISTIC INVENTORY OF MCINNIS CANYONS NATIONAL CONSERVATION AREA WS 117	3:00-3:15	51	oral	Bryn Marah
THE BIRDS AND THE GRASSHOPPERS: EFFECTS OF CLIMATE CHANGE ON PREDATOR-PREY PHENOLOGY WS 117	3:15-3:30	57	oral	Melissa Peterson



BIOLOGICAL SCIENCES

Session Facilitator: Steve Werman

TRACK 2B

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
DEVELOPMENT OF TEMPERATURE CORRECTION FACTORS FOR USING BIOELECTRICAL IMPEDANCE ANALYSIS IN THE FIELD				
WS North Hallway	2:00-4:00	54	poster	Kristina Morben
BEHAVIORAL CHARACTERISTICS OF <i>PHYTOPHTHORA INFESTANS</i> ZOOSPORES ON THE LEAF SURFACE OF VARIABLY SUSCEPTIBLE HOSTS				
WS North Hallway	2:00-4:00	66	poster	Chris Walker
USING BIOELECTRICAL IMPEDANCE ANALYSIS TO ESTIMATE POST-MORTEM INTERVAL				
WS North Hallway	2:00-4:00	59	poster	Sophia Reck
IDENTIFICATION OF CANNABIS SATIVA STEMS AND ROOTS USING DNA BARCODING				
WS 117	2:00-4:00	66	poster	Whitney Watson
CLIMATE CHANGE'S EFFECTS ON THE REPRODUCTIVE SUCCESS OF ASH-THROATED FLYCATCHERS AND MOUNTAIN BLUEBIRDS IN WESTERN COLORADO				
WS North Hallway	2:00-4:00	46	poster	Anna Johnson, Mary Young
MONITORING MOOSE ON THE MESA				
WS North Hallway	2:00-4:00	57	poster	Justin Pearce



BIOLOGICAL SCIENCES

Session Facilitator: Steve Werman

TRACK 2C

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
PRO-APOPTOTIC PROTEIN INTERACTIONS OCCURRING IN EARLY INTRINSIC APOPTOSIS MAY INFLUENCE APOPTOTIC RESISTANCE IN AN IN VITRO MODEL OF BREAST CANCER				
WS North Hallway	2:00-4:00	12	poster	Keren Lynne Angeles, Colt Burtard, Jordyn Madsen, Danielle May, Michelle Phillips
<i>DICTYOSTELIUM DISCOIDEUM</i> AS A CANCER CELL MODEL IN DRUG DISCOVERY				
WS North Hallway	2:00-4:00	60	poster	Olivia Sayer
PURIFICATION, SEPARATION AND BIOCHEMICAL ANALYSIS OF ZOOSPORICIDAL AGENTS FROM <i>PETUNIA X HYBRIDA</i>				
WS North Hallway	2:00-4:00	19	poster	Justin Blaskowsky
TESTING THE SENSITIVITY OF <i>PHYTOPHTHORA INFESTANS</i> TO SUCROSE MONOLAURATE VIA DISC AND AGAR DIFFUSION METHODS				
WS North Hallway	2:00-4:00	22	poster	Katherina Burkett
FUNCTIONAL DIVERGENCE OF LUCIFERASE PARALOGS IN <i>PHOTURIS PENNSYLVANICA</i>				
WS North Hallway	2:00-4:00	32	poster	Miranda DePriest
AN UPDATE ON MOLECULAR IDENTIFICATION OF <i>CONIATUS</i> SP. FOUND IN THE U.S.				
WS North Hallway	2:00-4:00	12	poster	Kelsi Arrieta, Ashly Pennington



PHYSICAL AND ENVIRONMENTAL SCIENCES

Session Facilitator: David Weinberg

TRACK 3A

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
THE SYNTHESIS OF NOVEL GOLD(III) COMPLEXES TOWARD THE DEVELOPMENT OF CATALYSTS FOR THE FUNCTIONALIZATION OF C-H BONDS				
WS 113	2:00-2:15	64	oral	Josh Thompson
QUANTUM CHEMISTRY CALCULATIONS FOR A NUCLEOPHILIC AROMATIC SUBSTITUTION REACTION				
WS 113	2:15-2:30	38	oral	James Goff
PHYSICS OF A BOOMERANG				
WS 113	2:30-2:45	53	oral	Robert Millican
RESONANT FREQUENCIES OF A NON-UNIFORM ACOUSTICAL SYSTEM				
WS 113	2:45-3:00	36	oral	Ian Gallagher
STRUCTURAL INVESTIGATIONS OF MINERALIZED CATACLASTIC ZONES IN UNAWEEP CANYON AND THE SIGNIFICANCE OF STRUCTURAL CONTROL IN RELATION TO THE FORMATION OF UNAWEEP CANYON				
WS 113	3:00-3:15	65	oral	Adam Trumbo
BRINGING NEW LIGHT TO THE GEOLOGIC HISTORY OF THE BLACK CANYON OF COLORADO USING SUPER BOUNDING SURFACES IN EOLIAN SANDSTONES				
WS 113	3:15-3:30	59	oral	Cody Rapke
AVENUES OF GROUNDWATER FLOW AND THE POSSIBILITY FOR SOIL PIPING IN THE WEST SALT CREEK LANDSLIDE, WESTERN COLORADO				
WS 113	3:30-3:45	56	oral	Treyton Nusbaum-Davis
SALT TECTONICS AND CHRONOLOGY OF THE SINBAD VALLEY ANTICLINE AND SALT CREEK GRABEN IN MESA COUNTY, COLORADO				
WS 113	3:45-4:00	41	oral	Mickey Guziak



PHYSICAL AND ENVIRONMENTAL SCIENCES

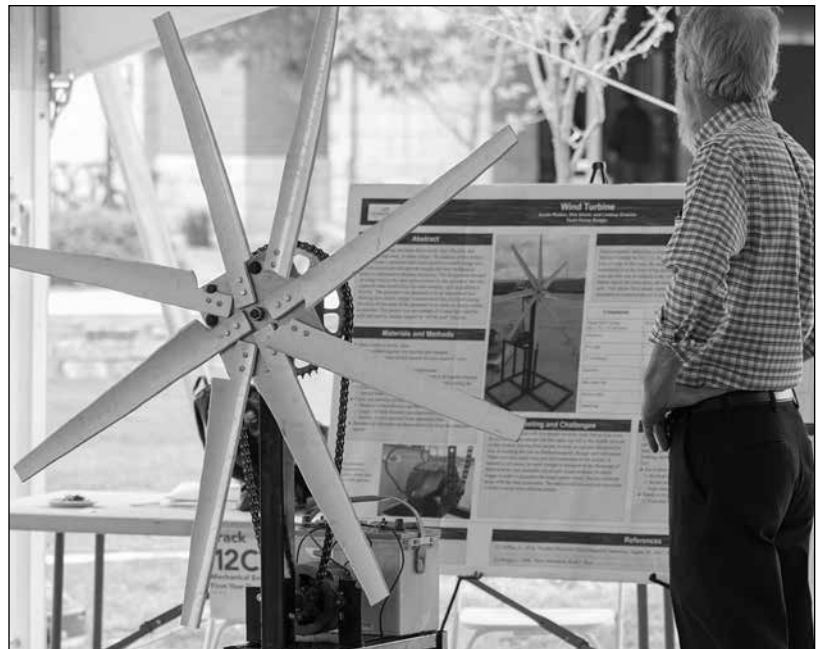
Session Facilitator: David Collins

TRACK 3B

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
SYNTHESIS OF NOVEL GOLD(III) COMPLEXES				
WS South Hallway	2:00-4:00	37	poster	Kaitlyn Gilmore, Erik Heine, Robin Marley, Amber McCormick, Clarisa Owens
ISOLATION OF MYXOBACTERIA FROM MESA COUNTY SOILS				
WS South Hallway	2:00-4:00	42	poster	Zachary Harr
DETECTION AND IDENTIFICATION OF NEGATIVELY-CHARGED GOLD NANOPARTICLES USING PH INDICATOR ARRAYS				
WS South Hallway	2:00-4:00	67	poster	Jacob Williams
BEER BREWING KINETICS: RATES OF THERMAL DECOMPOSITION OF ISO-ALPHA ACIDS				
WS South Hallway	2:00-4:00	21	poster	Kelly Bryant
ATOMIC BOMB BLAST WAVES				
WS South Hallway	2:00-4:00	24	poster	Dusty Carlson



TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
ANALYSIS OF HEAVY METALS FROM ACID ROCK/MINE DRAINAGE IN RED MOUNTAIN CREEK NEAR OURAY, CO WS South Hallway	2:00-4:00	29	poster	West Crouch, Francisco Hernandez, Jesie Hladik, Christina Schulte
TRACING DUST ORIGINS FROM DELTA, MESA AND MONTROSE COUNTIES TO THE GRAND MESA WS South Hallway	2:00-4:00	34	poster	McCady Findley, Bryn Marah, Shon Wilson
RESTORATION OF TAMARISK AND RUSSIAN OLIVE DOMINATED, BEAVER INFLUENCED, AND SELENIUM CONTAMINATED WILDLIFE REFUGE ALONG THE COLORADO RIVER WS South Hallway	2:00-4:00	46	poster	Jacob Kaplan, William McDonald, Orianna Rubin, Zachery Schuler
BURROWING OWL NESTING TERRITORY FIDELITY FOLLOWING PIPELINE CONSTRUCTION AND DISTURBANCE IN EASTERN UTAH AND WESTERN COLORADO WS South Hallway	2:00-4:00	32	poster	Kaitlin Dillon, Adriana Garcia, Kira Rogowski, Morgan Walker
ASSESSING SEEDING SUCCESS AND EROSION POTENTIAL OF SLOPED AREAS ON THE PINE RIDGE FIRE AREA WS South Hallway	2:00-4:00	17	poster	Steven Belus, Casey Gorsett, Curtis Logsdon, Andrew Mansfield
MCINNIS CANYONS NATIONAL CONSERVATION AREA: MAPPING RUSSIAN KNAPWEED (RHAPONTICUM REPENS) AND DEVELOPING A TREATMENT AND RESTORATION PLAN FOR DEVIL'S CANYON WS South Hallway	2:00-4:00	50	poster	Audrey Maclennan, Spencer Randolph, Charles Springer, Rachael Swiatek
STUDY OF CURRENT SELENIUM CONCENTRATIONS AND LOADINGS IN MESA COUNTY ON THE GUNNISON AND COLORADO RIVERS AND THEIR TRIBUTARIES WS South Hallway	2:00-4:00	43	poster	Brenna Hjelle, Anna Rich, Victoria Sauer, Jessica Wolf
FLOATING WETLAND SYSTEMS: MANAGING AQUATIC PLANTS AS A SELENIUM SEQUESTRATION STRATEGY WS South Hallway	2:00-4:00	54	poster	Craig Moore
DELINEATION OF SOILS WITH HIGH SELENIUM LEACHING POTENTIAL IN THE GRAND VALLEY IRRIGATION DISTRICT WS South Hallway	2:00-4:00	27	poster	Fred Cook





Session Facilitator: Chad Middleton

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
ANCIENT RIVER COURSES OF THE UNCOMPAGHRE PLATEAU IN WESTERN COLORADO: ALKALI FELDSPAR PROVENANCE INVESTIGATION				
WS South Hallway	2:00-4:00	65	poster	Lisa Van Kirk
UNCOMPAGHRE PLATEAU ANCIENT RIVER GRAVEL DETRITAL ZIRCON AND PEBBLE COMPOSITON ANALYSIS WITH RESULTING PALEO GEOGRAPHICAL INTERPRETATION				
WS South Hallway	2:00-4:00	41	poster	Michael Hale
DETERMINATION OF RIVER HISTORIES AND FORMATION OF UNAWEEP CANYON BASED ON QUATERNARY RIVER GRAVELS FOUND IN GATEWAY AND WHITEWATER, COLORADO				
WS South Hallway	2:00-4:00	61	poster	Nicholas Scott
CLASSIFICATION OF GLACIAL DEPOSITS IN RIDGWAY, COLORADO, NORTHERN SAN JUAN MOUNTAINS				
WS South Hallway	2:00-4:00	45	poster	Donald Jarrin
THE EROSIONAL HISTORY OF THE GRAND MESA BASED ON APATITE-HELIUM THERMOCHRONOLOGY: IMPLICATIONS FOR COLORADO RIVER EVOLUTION AND GRAND CANYON FORMATION				
WS South Hallway	2:00-4:00	58	poster	Jaron Ragsdale
GREEN RIVER TERRACES AND THE PROVENANCE OF RIVER GRAVELS IN AREAS SOUTH OF GREEN RIVER, UTAH				
WS South Hallway	2:00-4:00	56	poster	Bryan Ohm
RARE GREEN RIVER TERRACES SOUTH OF GREEN RIVER, UTAH - CONSTRAINING THE GREEN RIVER'S AGE				
WS South Hallway	2:00-4:00	36	poster	Timothy Gerken



Session Facilitator: Rick Livaccari

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
GROUNDWATER SALINITY TRENDS RELATED TO IRRIGATION IN THE GRAND VALLEY, AND UPPER COLORADO RIVER BASIN				
WS South Hallway	2:00-4:00	66	poster	Rondelle Whittle
PALEOENVIRONMENTAL RECONSTRUCTION OF THE FLUVIAL SYSTEMS OF THE SALT WASH MEMBER OF THE NORRISON FORMATION THROUGH THE STUDY OF EXHUMED PALEOCHANNELS IN EAST CENTRAL UTAH				
WS South Hallway	2:00-4:00	40	poster	Walter Green
A STUDY OF GEOCHEMISTRY AND MINEROLOGY OF THE GREEN RIVER FORMATION OF GRAND MESA, WESTERN COLORADO				
WS South Hallway	2:00-4:00	40	poster	Walter Green
SEDIMENTARY AND PETROGRAPHIC ANALYSIS OF THE OHIO CREEK/ DARK CANYON INTERVAL, WESTERN COLORADO AND EASTERN UTAH				
WS South Hallway	2:00-4:00	64	poster	Jake Ten Eyck
GEOLOGIC MAP OF THE SNYDER FLATS AREA IN UNAWEEP CANYON, COLORADO				
WS South Hallway	2:00-4:00	58	poster	Brianna Powell
DETERMINING THE RELATIONSHIP OF THE WINGATE SANDSTONE WITH THE ANCESTRAL ROCKY MOUNTAINS USING SUPER BOUNDING SURFACES				
WS South Hallway	2:00-4:00	52	poster	Nolan McDonald



BUSINESS

Session Facilitator: Britt Mathwich

TRACK 4A

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
WAHKEENA RESORT "MOST BEAUTIFUL" DH 104	2:00-2:15	11	oral	Jacob Ames, Lucille Facinelli, Priscilla Suarez, Zoe Woodworth
INFINITY RESORT DH 104	2:15-2:30	45	oral	Chelsea Jackson, Mariah Martin, Elizabeth Prickett
RESORT CONCEPT WITH A SALES MARKETING PLAN DH 104	2:30-2:45	28	oral	Ashleigh Cooper, Cara Hampton, Corinne Williams
KAYA RESORT CONCEPT DH 104	2:45-3:00	39	oral	Megan Goss, Katherine Scott, Rebecca Waugh
SLIGHTLY ELEVATED HOSTEL DH 104	3:00-3:15	10	oral	Duncan Alger, Rain Felkl, Courtney McGinnis, Spencer Weinberg
RESORT CONCEPT, SALES, AND MARKETING PLAN DH 104	3:15-3:30	30	oral	Melissa Cunningham, Madison Harmes, Marta Kudasik, Cheyenne Sanchez



BUSINESS

Session Facilitator: Jane Sandoval

TRACK 4B

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
EAT MY SNOW(BOARDS) DH 204	2:00-2:15	34	oral	Robert Fenske, Dakota Giles, Madeleine Hayduk, Cole Hughes, Emma La'a, Luis Pena, Denis Terzic
VARIABLES AFFECTING STUDENT RETENTION DH 204	2:15-2:30	9	oral	Abigail Akin, Mackenzie Dyer, Micheal Macias, Emily Nagel
INFLUENCES OF CONSUMER BUYING BEHAVIOR DH 204	2:30-2:45	20	oral	Che Bou-Matar, Frederick Candelario, Abigail Cook, William Reed
STUDENT RETENTION AND DEPARTURE IN HIGHER EDUCATION DH 204	2:45-3:00	16	oral	Joshua Beacham, Chelsea Deming, Priscilla Drewry, Parke Overmiller, Lorena Trujillo
INFINITE INK DH 204	3:00-3:15	35	oral	John Fowler, Zachary Kennison, MaKayla Kovac, Hayden Murphy, William Ramsey, Ashley Weber, Shauna Wilson



BUSINESS

Session Facilitator: Morgan Bridge

TRACK 4C

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
COMMERCIAL BANKING FINANCIAL STRATEGIES DH 211	2:00-2:15	28	oral	Rob Courtney, Carolyn Erickson, Brandon Hoff, Corey Jimerson, Daniel Mott
THE TRENDY TRILLION DOLLAR INDUSTRY DH 211	2:15-2:30	30	oral	Juanita Davidson, Enrique Escobar, Carissa Loper, Anna McGinnis, Jorge Pantoja
THE FUTURE OF ENERGY DH 211	2:30-2:45	9	oral	Christopher Aiken, Patrick Breidel Jr, Dalton Horan, Parker King, Luke Sandstedt
FAST FOOD INDUSTRY DH 211	2:45-3:00	16	oral	Ciara Beegle, Tyler Ehlers, Luke Mclean, Kristina McLeslie, Kyle Serrano
AIRLINE INDUSTRY DH 211	3:00-3:15	48	oral	Lacee Kilgore, Lauryn Lee, Nicholas Mabry, Dustin Rivas
ECONOMIC IMPACT REPORT OF HUNGER IN MESA COUNTY DH 211	3:15-3:30	31	oral	Peter Davis, Haley Turley



HEALTH SCIENCES

Session Facilitator: Judy Williams

TRACK 5A

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
PREVENTION OF PAIN IN NEONATES USING SUCROSE UC 213	2:00-4:00	11	poster	Dolores Anchondo, Nicholas Derr, Carlye Johnston
THE INCLUSION OF COMPLEMENTARY AND ALTERNATIVE MEDICINE EDUCATION IN UNDERGRADUATE NURSING EDUCATION AS REFLECTED IN NURSING INTERVENTIONS UC 213	2:00-4:00	23	poster	Nikole Burns, Maren Cherveney, Mecia Pitton, Amber Sigler
RECUMBENT VERSUS UPRIGHT BIRTHING POSITIONS UC 213	2:00-4:00	10	poster	Emily Altenburg, Savannah Herland, Leah Vanderheiden
FECAL MATTERS UC 213	2:00-4:00	26	poster	Stacy Clark, Emilia Ludwig, R. Jeremy Weiner, Tatti West
PROTON PUMP INHIBITORS: IS IT WORTH THE RISK UC 213	2:00-4:00	40	poster	Elise Graham, Cheryl Short, Amber Ziek
THE USE OF A PEANUT BALL DURING LABOR UC 213	2:00-4:00	41	poster	Brooke Haberkorn, Ashleigh Hansen, Ashley Rickstrew, Kendra Williams
UTILIZING ESTABLISHED INTRAVENOUS CATHETERS FOR BLOOD COLLECTION UC 213	2:00-4:00	44	poster	Devon Hoffman, Hunttyr Maclaskey, Chad Roberts



TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
DETERMINANTS OF NONCOMPLIANCE IN INFANTS RECEIVING PALIVIZUMAB PROPHYLAXIS AND FURTHER EFFECTS ON RELATED HOSPITALIZATIONS UC 213	2:00-4:00	17	poster	Caitlyn Berry, Andrea Campbell, Brittany Ott, Jamie Quere, Brittany Wilson
UMBILICAL CORD CARE BEST PRACTICE UC 213	2:00-4:00	20	poster	Kayla Boria, Kyra Carr, Alivia Wolfe
A MINDFULNESS-BASED STRESS REDUCTION POLICY FOR HOSPITAL NURSES UC 213	2:00-4:00	23	poster	Aspen Campbell, Amanda Lloyd, Allison McNulty
PREOPERATIVE MEDICATION AND ANESTHESIA AWARENESS UC 213	2:00-4:00	28	poster	Yareth Corral, Emily Jio, Kailey Kaiser
PAIN MANAGEMENT POST CAESAREAN BIRTH UC 213	2:00-4:00	31	poster	Kori Davis, Sierra Geroux, Kendra Wildenberg
IMPLEMENTING A HIGHER NURSE TO PATIENT RATIO UC 213	2:00-4:00	32	poster	Stephanie Drake, Alexa Johnson, Crystal Morris
CHILDHOOD DEPRESSION AND THE USE OF ALTERNATIVE ANIMAL THERAPY UC 213	2:00-4:00	15	poster	Sara Barrow, Haley Bright, Amelia Harris



TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
STERILE TECHNIQUE UC 213	2:00-4:00	13	poster	Acacia Ator, Katrina Graff, Kandu Sherpa, Anna Velasquez
CUPPING THERAPY UC 213	2:00-4:00	22	poster	Krista Bullock, Annette Coggins, Leslie Fink, Andrea Goble
BENEFITS OF IMPLEMENTING BAR-CODED MEDICATION ADMINISTRATION SYSTEMS IN HEALTHCARE FACILITIES UC 213	2:00-4:00	25	poster	Kristi Casias, Cortney Ferganchick, Jessica Harrell, Jeannine Rubalcaba
OLD MEDICINE FOR A NEW AGE UC 213	2:00-4:00	29	poster	Jessica Cruz, Karen Keyes, Mary Reuss
ALTERNATIVE THERAPY: ESSENTIAL OILS UC 213	2:00-4:00	38	poster	Anel Gomez, Katlynn McGee, Destiny Mullen, Nicolle Thatcher
NEEDLE STICK SAFETY UC 213	2:00-4:00	51	poster	Jessica Marquez, Jennifer Stahl, Septimber Topai, Kaleen Velasquez
FALL PREVENTION UC 213	2:00-4:00	51	poster	Trisha Martinez, Kristen Sandoval, Desiree Trujillo, Teri Wilkes



TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
ADVANCED DIRECTIVES UC 213	2:00-4:00	13	poster	Ashley Avery, Andrea Deltondo, Monika Milton, Tiffany Morford
HUMAN PAPILLOMAVIRUS (HPV) IMMUNIZATIONS: HOW EDUCATION CAN BREAK THE STIGMA OF "THE SEX VACCINE" UC 213	2:00-4:00	18	poster	Brandi Blackburn, Allison Chandler, Kara Hotard, Megan Smith
TREATMENT AND PREVENTION OF LOWER BACK PAIN UC 213	2:00-4:00	24	poster	Diana Carey, Sarah King, Aspasia Linn, Adrian Sandoval
THE PROBLEMS WITH PATIENT IDENTIFICATION UC 213	2:00-4:00	25	poster	Erica Chamberlain, Scout Nunes, Jacie Temple, Kathy Unger
HYPERTHERMIA PREVENTION AND TREATMENT UC 213	2:00-4:00	28	poster	John Cools, Jennifer Hanel, Gregory Johnson, Terry Steele
H2WHOA! UC 213	2:00-4:00	39	poster	Brittany Goss, Cynthia Hennessey, Matthew McDonald, Morgan Zillmann
HANDWASHING AND HEALTHCARE UC 213	2:00-4:00	47	poster	Mary Kastendieck, Marietta King, Danielle Recchia, Amber Schell



TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
JUST BREATHE: A GLIMPSE INTO THE FUTURE OF BREATH ANALYSIS UC 213	2:00-4:00	13	poster	Thu Thu Aung, Tammy Bordlemay, Caitlin Warneke
THE HIGHS AND LOWS OF MEDICINAL MARIJUANA: A CLINICAL REVIEW OF THE HEALTH EFFECTS OF MARIJUANA FOR NEUROPATHIC PAIN MANAGEMENT UC 213	2:00-4:00	14	poster	Nicole Balaz, Jasmine Van't Hoff, Rebeca Lechleitner
DOSE REDUCTION STRATEGIES IN NEONATAL RADIOGRAPHY UC 213	2:00-4:00	15	poster	Daniele Balsamo, Jessica Brittingham, Whitney Pigao
NEW APPLICATION OF DIGITAL TOMOSYNTHESIS IN DIAGNOSTIC RADIOLOGY UC 213	2:00-4:00	35	poster	Kollin Fleener, Kase Kuhns
IMPORTANCE OF RADIOGRAPHIC EVIDENCE IN CHILD ABUSE CASES UC 213	2:00-4:00	39	poster	Danielle Graf, Angela Kastrup, Ellie Piffer
PET/MRI ADVANCEMENT IN MEDICAL IMAGING UC 213	2:00-4:00	53	poster	Douglas Mestas, Thaddeus Wilcox
REDUCING PATIENT DOSE IN INTERVENTIONAL RADIOGRAPHY UC 213	2:00-4:00	58	poster	Jordan Quintana, Benjamin Shaw



KINESIOLOGY

Session Facilitator: Brent Alumbaugh

TRACK 6

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
VERTICAL JUMP GROUND REACTION FORCES CHANGE WITH LOAD UC 213	2:00-4:00	33	poster	Marie Dreher, Alexis Evoniuk, William Hawk, Allie Morris, Elizabeth Wood
THE EFFECT OF VARIOUS HEATING MODALITIES ON ANKLE FLEXIBILITY UC 213	2:00-4:00	47	poster	Tessa Kester, Erin Lielkoks, Samantha Modrick, Michaela Wilson
TRAUMATIC BROKEN MANDIBLE OF A WOMEN'S LACROSSE PLAYER UC 213	2:00-4:00	49	poster	Coryann Ledford



TEACHER EDUCATION

Session Facilitator: Ann Gillies

TRACK 7A

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
CULTURALLY DIVERSE CLASSROOM COMMUNITY DH 110	2:00-2:15	23	oral	Kayleigh Busse
EMPOWERING STUDENTS WITH ADD AND ADHD DH 110	2:15-2:30	29	oral	Cassidy Crippen
INCLUSIVE EDUCATION AND PURSUING PASSIONS DH 110	2:30-2:45	56	oral	Kelsey Olson
MUSIC AND MEMORIZATION, WHY DOES IT WORK? DH 110	2:45-3:00	57	oral	Kathryn Perroni
DIFFERENTIATED INSTRUCTION IN AN INCLUSIVE ELEMENTARY CLASSROOM DH 110	3:00-3:15	61	oral	Hayleigh Scofield
IRLEN SYNDROME: EFFECTS ON THE ELEMENTARY CLASSROOM DH 110	3:15-3:30	62	oral	Meagan Singh
EFFECTIVE EDUCATIONAL PRACTICES FOR STUDENTS WITH AUTISM SPECTRUM DISORDER DH 110	3:30-3:45	67	oral	Jessica Wood
UTILIZING MULTIMODALITY INSTRUCTIONS IN THE CLASSROOM AND COMMUNITY DH 110	3:45-4:00	52	oral	Kristina Massey



TEACHER EDUCATION

Session Facilitator: Lisa Friel

TRACK 7B

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
ASSESSING EARLY LITERACY STRATEGIES DH 212	2:00-2:15	33	oral	Mark Eisenhauer
STUDENT ASSESSMENT ANALYSIS DH 212	2:15-2:30	36	oral	Elisa Galvan
IN-DEPTH ANALYSIS OF ONGOING ASSESSMENTS DH 212	2:30-2:45	44	oral	Lindsey Hunger
STUDENT LITERACY ANALYSIS DH 212	2:45-3:00	52	oral	Makayla McMullen



TEACHER EDUCATION
Session Facilitator: Nancy Alex

TRACK 7C

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
READING AND WRITING CASE STUDY DH 214	2:00-2:15	12	oral	Laura Andersen
3RD GRADE READING AND WRITING ASSESSMENT CASE STUDY DH 214	2:15-2:30	55	oral	Megan Neal
ANALYZING LITERACY ASSESSMENTS DH 214	2:30-2:45	60	oral	Jordyn Roles
ANALYSIS OF ONGOING LITERACY ASSESSMENTS DH 214	2:45-3:00	61	oral	Charmaine Severin
ANALYZING STUDENT LITERACY ASSESSMENTS DH 214	3:00-3:15	65	oral	Casey Utemei



LANGUAGES AND LITERATURE
Session Facilitator: Kurt Haas

TRACK 8A

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
ROMEO AND JULIET: A TRAGEDY? EH 131	2:00-2:15	42	oral	Caleb Hardaway
"THE WASTELAND" AS WRITERLY TEXT EH 131	2:15-2:30	67	oral	Megan Wood
MARY POPPINS THE FEMINIST EH 131	2:30-2:45	49	oral	Rachael Lind
ANTICIPATORY PSYCHOLOGY: REVISITING CHARLES BROCKDEN BROWN'S EDGAR HUNTLY THROUGH THE WORKS OF ERNEST BECKER EH 131	2:45-3:00	63	oral	Melissa Statler
A VOICE FOR A WITCH EH 131	3:00-3:15	43	oral	Kaylyn Higgins
DOCTRINE OF A MAN THINKING EH 131	3:15-3:30	24	oral	Kelsey Cantwell
THE HUMAN/NONHUMAN BINARY IN FRANK HERBERT'S DUNE UNIVERSE EH 131	3:30-3:45	49	oral	Lauren Lipski



LANGUAGES AND LITERATURE
Session Facilitator: Randy Phillis

TRACK 8B

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
THE MOST HEINOUS CRIME A JOKE CAN POSSIBLY BE EH 129	2:00-2:15	65	original reading	Troy Utley
UNTIL YOU FIND A HOME EH 129	2:15-2:30	60	original reading	Samantha Sams



LANGUAGES AND LITERATURE

Session Facilitator: Tom Acker

TRACK 8C

Please note that these presentations will be in Spanish.

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
THE DESEXUALIZATION OF THE MOTHER AND EROTICISM IN ANACRISTINA ROSSI'S "UNA HISTORIA CORRIENTE" EH 132	2:00-2:15	49	oral	Lauren Lipski
OPPRESSION AMONG POVERTY EH 132	2:15-2:30	38	oral	Gema Gonzalez
THE INVERSION OF THE FAIRY TALE IN "EL ALMOHADÓN DE PLUMAS" WRITTEN BY HORACIO QUIROGA EH 132	2:30-2:45	34	oral	Arminel Estevez
SELLING YOUR SOUL TO THE DEVIL - EXPLORING MAN'S STRUGGLE BETWEEN THE DESIRE FOR WORDLY POSSESSIONS AND THE DESIRE FOR SPIRITUALITY IN "UN PACTO CON EL DIABLO" BY JUAN JOSÉ ARREOLA EH 132	2:45-3:00	50	oral	Audrey Maddox

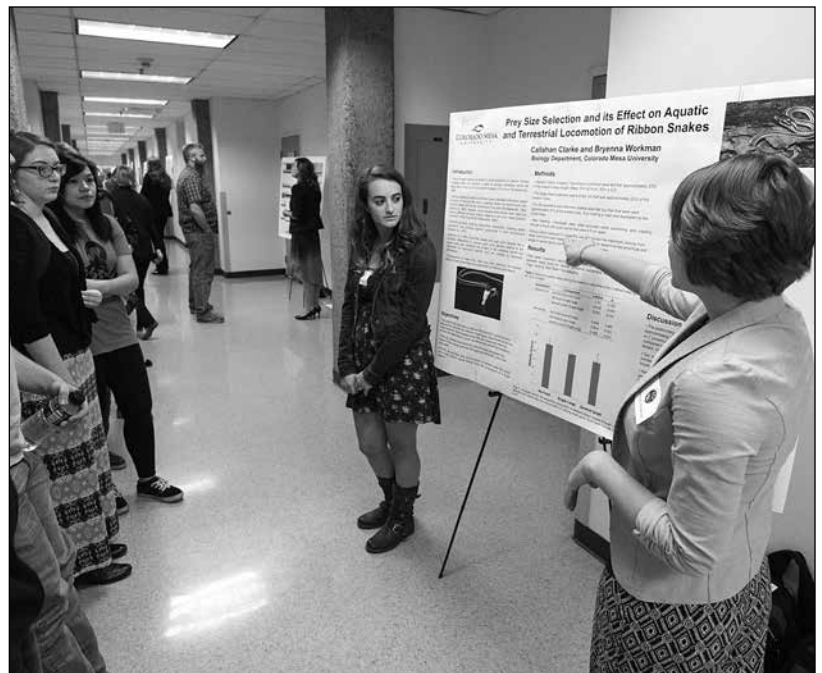


LANGUAGES AND LITERATURE

Session Facilitator: Jennifer Hancock

TRACK 8D

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
OBESITY IN AMERICA EH 128	2:00-2:15	63	oral	Courtney Snyder
THE ECONOMIC IMPACT OF COMMUNITY IN RELATION TO HOMELESSNESS EH 128	2:15-2:30	39	oral	Natalie Gould
THE DEATH PENALTY IN THE UNITED STATES EH 128	2:30-2:45	54	oral	Louis Morales Shnaider





SOCIAL AND BEHAVIORAL SCIENCES

Session Facilitator: Brian Parry

TRACK 9A

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
ROCKY MOUNTAIN HIGH: COLORADANS CHANGING PERCEPTIONS OF AMENDMENT 64 UC 224	2:00-2:15	45	oral	Tiana Johnson, Courtney Yarbrough
ANXIETY ABOUT THE END OF LIFE IN THE ELDER COMMUNITY UC 224	2:15-2:30	45	oral	Kirstin Jastak, Jacquelyn Minnillo
WELL-BEING: HAVE ONLINE INTERACTIONS OVERPOWERED FACE-TO-FACE INTERACTIONS? UC 224	2:30-2:45	59	oral	Katherine Richards, Michelle Robertson, Eric Vandenneuvel
MITIGATING MORTALITY SALIENCE EFFECTS WITH RELAXATION OR MINDFULNESS: CHANGES IN DEATH THOUGHT ACCESSIBILITY AND WORLDVIEW ADHERENCE UC 224	2:45-3:00	50	oral	Hannah Liss, Steven McKinley, Jared Schmidt



SOCIAL AND BEHAVIORAL SCIENCES

Session Facilitator: Sarah Swedberg

TRACK 9B

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
TEACHERS IN THE NAZI STATE: INDOCTRINATION, COORDINATION, AND THE BUREAUCRATIC LEVIATHAN UC 222	2:00-2:15	47	oral	Willis Kennedy
RAISING A NATION: THE IMPORTANCE OF NAZI MOTHERHOOD UC 222	2:15-2:30	19	oral	Elisabeth Bloom
POLITICAL MANIPULATION: RACE, RELIGION, THE NATION, AND THE NAZIS UC 222	2:30-2:45	63	oral	Brandon Stanfield
UNIFIED IDENTITIES: NAZI UNIFORMS AND PRISON BADGES UC 222	2:45-3:00	57	oral	Viktoria Petrose
HITLER'S SOLDIERS: UNITED AND POWERED BY THE SWASTIKA UC 222	3:00-3:15	62	oral	Nathan Simpson





SOCIAL AND BEHAVIORAL SCIENCES

Session Facilitator: Shanell Sanchez-Smith

TRACK 9C

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
TAYLOR GROUND STONE: USE-WEAR ANALYSIS IN CONTEXT UC 221	2:00-2:15	12	poster	Gabrielle Arterburn
HOW "WE THE PEOPLE" KILLED THE CONSTITUTION UC 221	2:15-2:30	48	oral	Andrew Knarr
RELIGIOUS BELONGING AND CONFIDENCE IN SOCIAL AND POLITICAL INSTITUTIONS IN THE UNITED STATES UC 221	2:30-2:45	28	oral	Tiana Couse
THE HONEST INTENT OF JOHN COLLIER UC 221	2:45-3:00	52	oral	Beth McBride
POLITICAL AND SOCIAL INTERACTIONS BETWEEN HOME FRONT CIVILIANS AND SOLDIERS FROM THE THIRTY YEARS WAR (1618-48) TO THE SECOND WORLD WAR (1939-45) UC 221	3:00-3:15	44	oral	Jordan Hoffman
THE NATURAL ENEMY OF DEMOCRACY: THE ACCEPTANCE OF IRISH CATHOLIC IMMIGRANTS IN MID-1800S AMERICA UC 221	3:15-3:30	61	oral	Kaitlin Senko
WOMEN, CHRISTIANITY, AND THE LAW IN THE ROMAN EMPIRE UC 221	3:30-3:45	46	oral	Courtney Johnston



FINE AND PERFORMING ARTS

Session Facilitator: Joshua Butler

TRACK 10A

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
POETRY BROADSIDES AND JAPANESE STAB BOOKBINDING FA 201	2:00-2:15	18	exhibit	Alaina Bittner, Layna Brown, Danielle Carver, Kristina Dooley, Seirra Key, Kaitlynn King, Nellie Knutson-Steck, Martha McCoy, Isah Mckenzie, Barbara Meeker, Mindy Rice, Kira Rogowski, Linda Skinner, Samuel Speir, Cameron Williams, Colin Williams
& PRESS FA 301	2:15-2:30	37	exhibit	Ryann Gibbens, Nicholas Hill, Michael Murphy
VIDEO PROJECTION MAPPING FA 312D	2:30-2:45	21	exhibit	Thomas Brooks, Melissa Vargas





FINE AND PERFORMING ARTS

Session Facilitator: Tim Pinnow

TRACK 10B

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
MENTAL ILLNESS IN ARTISTIC PROFESSIONS MPAC 142	2:00-2:15	25	oral	Danielle Carrillo
BROADWAY AND THE FUTURE BUSINESS OF MUSICAL THEATRE MPAC 142	2:15-2:30	29	oral	Emily Crine
LIVESTREAMING: THE DIGITAL FUTURE OF LIVE THEATRE MPAC 142	2:30-2:45	53	oral	Jessica Meier
THE IMPORTANCE OF THE ARTS IN EDUCATION MPAC 142	2:45-3:00	63	oral	Kortni Stillwagon



FINE AND PERFORMING ARTS

Session Facilitator: Tim Pinnow

TRACK 10C

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
SONNET 29 IN TWO MPAC 142	3:00-4:00	24	performance	Bryan Carlson
NO KID LEFT BEHIND MPAC 142	3:00-4:00	27	performance	Cody Cline
AMELIORATION: THE ACT OF MAKING SOMETHING BETTER MPAC 142	3:00-4:00	27	performance	Cody Cline, Hannah Fisher
PHILOSOPHICAL ARTIST MPAC 142	3:00-4:00	43	performance	Antonio Hermosillo
THANK YOU FOR STANDING IN MY WAY MPAC 142	3:00-4:00	49	performance	Joseph Laughlin
SURRENDERED MPAC 142	3:00-4:00	54	performance	Kacee Montgomery
A TRIO MPAC 142	3:00-4:00	58	performance	Jazmyn Phillips
I'M NOT A PSYCHOPATH, I JUST PLAY ONE ON STAGE MPAC 142	3:00-4:00	64	performance	Duncan Touzjian



FINE AND PERFORMING ARTS

Session Facilitator: Darin Kamstra

TRACK 10D

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
SONG OF SINGING STEEL MPAC 005	2:00-2:15	30	performance	Mark D'Ambrosio
GROUND ABOVE, SKY BELOW, AN ORIGINAL COMPOSITION BY JOSEPH MOHER MPAC 005	2:15-2:30	53	oral	Joseph Moher
STRUGGLE BUS MPAC 005	2:30-2:45	62	oral	Hans Snell
PRODUCING "THE POWER OF LOVE" MPAC 005	2:45-3:00	36	oral	Gabriel Gallegos, Natalie Houston, Ian McGuire, Benjamin McLam, Destinee Reed
POP VIDEO RECORDING PROJECT ON "SAIL" MPAC 005	3:00-3:15	10	oral	Gary Allen, Micah Dancy, Cameron Honnen, Joseph Moher, Zachary Rea



CAREER AND TECHNICAL EDUCATION

Session Facilitator: Bill McCracken

TRACK 11

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
FILAMENT EXTRUDER Plaza (tent)	2:00-4:00	26	demonstration	Dane Clark, Benjamin Hansen, Gavin Marshall, Gerardo Martinez
3D VIRTUAL REALITY GOGGLES Plaza (tent)	2:00-4:00	20	demonstration	Colton Bowen, Shane Romero
CUSTOM FABRICATED LIGHTSABERS Plaza (tent)	2:00-4:00	26	demonstration	Shane Christensen, John Palmer, Rylan Piper
ONE CYLINDER HORIZONTAL ENGINE Plaza (tent)	2:00-4:00	14	demonstration	Randal Baker, James Ray
HIT AND MISS ENGINE Plaza (tent)	2:00-4:00	64	demonstration	John Swiger, Brandon Taulbee



MECHANICAL ENGINEERING—SENIOR DESIGN

Session Facilitator: Francisco Castro

TRACK 12A

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
CANOLA OILSEED PRESS TESTING & ANALYSIS Plaza (tent)	2:00-4:00	14	poster	Natalie Bagnard, Andrew Bristol, Kevin Hilken
FRETTING CORROSION ON THE TAPERED HIP STEM IN A TOTAL HIP ARTHROPLASTY Plaza (tent)	2:00-4:00	15	poster	Kenneth Banning, Keegan Kaiser, Robert VanRoosendaal
FILAMENT WINDING MACHINE AUTOMATION Plaza (tent)	2:00-4:00	18	poster	Benjamin Blandina, Clancy Garoutte, Kenneth Klein
CO-CULTURE FLOW SIMULATION Plaza (tent)	2:00-4:00	21	poster	Megan Brown, Leandro Lara, Cameron Morley
WOOD STABILIZATION IN A HIGH-PRESSURE VESSEL Plaza (tent)	2:00-4:00	22	poster	Christopher Buck, Ryan Kawano, Thomas Nielson
FORMULA SAE CHASSIS OPTIMIZATION Plaza (tent)	2:00-4:00	32	poster	Gavin Downey, Aaron Howell, Kristopher Jones
EKAM ANALYSIS Plaza (tent)	2:00-4:00	38	poster	Luiz Goncalves, Danae Lanigan, Taylor Rucker
METHANE FLUX CHAMBER Plaza (tent)	2:00-4:00	47	poster	Sean Kennedy, Isaac Koch, Aaron Troxel





MECHANICAL ENGINEERING—OPEN DESIGN

TRACK 12B

Session Facilitator: Scott Bevill

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
AUTONOMOUS TRACKED ROVER Plaza (tent)	2:00-4:00	17	poster	Ryan Benson, Carlos Ibarra
AUTONOMOUS ROVER Plaza (tent)	2:00-4:00	33	poster	Dane Dulaney, Alexandra Fieber, Vail Hall
A PARTIAL SOLUTION TO MODELING THE ANISOTROPIC MATERIAL PROPERTIES OF FUSED DEPOSITION MODELING ACRYLONITRILE-BUTADIENE-STYRENE (ABS) PLASTIC COUPONS Plaza (tent)	2:00-4:00	34	poster	Ross Fischer, Keenan Jewkes
CALCULATING POWER OUTPUT IN RUNNERS Plaza (tent)	2:00-4:00	55	poster	Cameron Morley
AUTONOMOUS ROVER Plaza (tent)	2:00-4:00	55	poster	Philip Nelson, Gunnar Pagni
ALTERNATING LOW FLOW VENTILATION AND THERAPEUTIC HYPOTHERMIA SYSTEM Plaza (tent)	2:00-4:00	59	poster	William Rasmussen



MECHANICAL ENGINEERING—FIRST-YEAR DESIGN EXPO

TRACK 12C

Session Facilitator: Sarah Lanci and Scott Kessler

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
SOLAR TRACKING Plaza (tent)	2:00-4:00	9	poster	Nikolas Adams, Montgomery Carlo, Ashley Church, Rachel Culpepper, Danny Gamboa
WATER WORKS Plaza (tent)	2:00-4:00	10	poster	Trevor Alberts, Brogan Butler, Chaille Dalley, Caitlin Torgerson
RESONANCE FREQUENCY INDICATOR Plaza (tent)	2:00-4:00	20	poster	Lance Bradford, Yelsi Flores, Talon Ivie, Tyler Vallin
BIREFRINGENCE AND PHOTOELASTICITY Plaza (tent)	2:00-4:00	21	poster	William Brown, Michael Sandoval, Conner Swatloski, Dakota Yourkowski
KINETIC ENERGY CONVERTER Plaza (tent)	2:00-4:00	25	poster	Mitchel Chavez, IvAnn Garcia Dickerson, Nathaniel Glennon, Steve Tomlinson
WALL MOUNTED PSYCHROMETER Plaza (tent)	2:00-4:00	31	poster	Ethan Davis, Dylan Hallett, Javier Romero Hernandez, Garrett Jensen
PNEUMATIC EXOSKELETON ARM Plaza (tent)	2:00-4:00	48	poster	Samuel Knoll, George Lara, Micah McLaren, Lane Sanders



Session Facilitator: Sarah Lanci and Scott Kessler

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
INVERTED PENDULUM Plaza (tent)	2:00-4:00	14	poster	Quinnten Baker, Daniel Lawley, Justin Marker, Jaime Rodriguez-Roggie
WINE BARREL CLEANING SYSTEM Plaza (tent)	2:00-4:00	16	poster	Curtis Beckel, William Bovard, Bradley Morgan, Raul Uribe
MAGNETIC LEVITATION Plaza (tent)	2:00-4:00	27	poster	Jennifer Dennison-Jones, Chad Merrick, Daniel Quin, Alec Rose
BALLISTIC PENDULUM Plaza (tent)	2:00-4:00	40	poster	Chance Guerrero, Ernesto Robles, Jacob Serbousek, Jared Taylor
VACUUM CHAMBER WITH ELECTRONIC MOTION SENSORS Plaza (tent)	2:00-4:00	42	poster	Aric Harper, Stormy Ramsay, Tyler Shehorn, Luis Terrazas
WIRELESS LIGHTING BY A TESLA COIL Plaza (tent)	2:00-4:00	55	poster	John Nielsen, Delaney Robison, Ryan Sachetti, Gregory Waldorf
VISUAL DISPLAY OF SOUND: HARMONIC RESONANCE THROUGH MULTIPLE MEDIUMS Plaza (tent)	2:00-4:00	60	poster	Eivind Roed, William Rozman, Sean Snediker, Dillon Vavak



Session Facilitator: Sarah Lanci and Scott Kessler

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
TORQUE TRANSFER AND GEAR RATIOS OF DIFFERENTIAL GEARS Plaza (tent)	2:00-4:00	9	poster	Jesus Aguirre, Carter Anderson, Fredrick Nyamekye, Christene Ragudos
WHEEL OR NO WHEEL - A HOVERCRAFT COMPARISON Plaza (tent)	2:00-4:00	11	poster	Dakota Amos, Andrew Strait, George Van Dorpe, Zebulon White
VALVELESS PULSE JET ENGINE Plaza (tent)	2:00-4:00	15	poster	Andris Balodis, Thorsen Milton, Eric Pipkin, Dalton Rauer
OPEN FACE TRANSMISSION Plaza (tent)	2:00-4:00	22	poster	Elliot Buchanan, Hayden Haveman, Luke Pagni, Ryan Zinke
DIGITAL WATER CURTAIN Plaza (tent)	2:00-4:00	24	poster	Edgar Carrasco, Trey Lambrecht, Jacob Pacheco, Carolina Yamada
ELECTROMAGNETIC LEVITATION Plaza (tent)	2:00-4:00	27	poster	Chase Clayton, Mallory Coats, Noah Jackson, Austin Shepherd
WIRELESS PHONE CHARGING AS DEMONSTRATED BY MAGNETIC INDUCTION Plaza (tent)	2:00-4:00	33	poster	Joshua Entrekin, Nicholas Hazlewood, Lucas Lefebre, Tanner Mast
ELECTROMAGNETIC COIL GUN Plaza (tent)	2:00-4:00	48	poster	Jaden Koos



SPECIAL EXHIBITS

TITLE, LOCATION	TIME	ABSTRACT PG #	PRESENTATION TYPE	STUDENT(S)
MESA MOTORSPORTS FORMULA SAE 2016 Plaza (tent)	2:00-4:00	68	exhibit	Corbin Cooper, Westlyn Johnston, Keegan Kaiser, Connor Lumley, Thomas Nielson, Morgan Ryan, Dirk Smuin
CNC MACHINING II CLASS PROJECT: DESIGNING UNIQUE DESKTOP CLOCKS Plaza (tent)	2:00-4:00	68	exhibit	Randal Baker, Brandon Bourg, Colton Bowen, Edgar Carrasco, Shane Christensen, Corbin Cooper, Adam Hall, Nathan Hawley, Gary Heard, Javier Romero Hernandez, Kevin Hilken, Devin Montgomery, Rylan Piper, Stormy Ramsay, James Ray, Shane Romero, John Swiger, Jeffrey Takos, Brandon Taulbee, Christopher Walters, Reo Weisgerber



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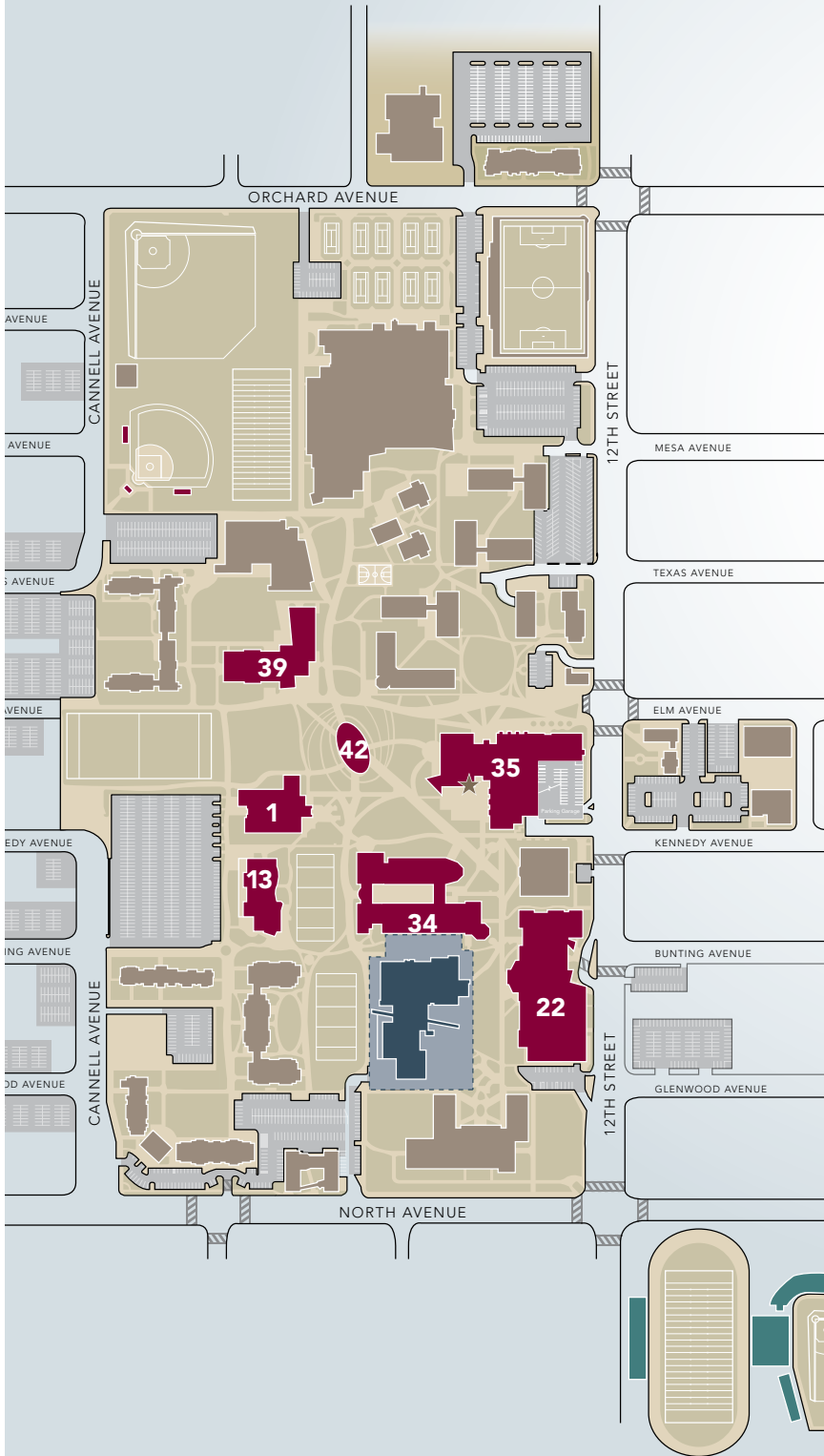
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- Dominguez Hall (DH)** 1
 - Business
 - Teacher Education
- Fine Arts (FA)** 13
 - Fine & Performing Arts
- Escalante Hall (EH)** 39
 - Languages & Literature
- Plaza (tent)** 42
 - Career & Technical Education
 - Mechanical Engineering
 - Special Exhibits
- Moss Performing Arts Center (MPAC)** 22
 - Fine & Performing Arts
- Wubben Hall & Science Center (WS)** 34
 - Biological Sciences
 - Mathematics & Computer Science
 - Physical & Environmental Sciences
- University Center (UC)** 35
 - Opening Session
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