Indiana University of Pennsylvania

The Ninth Annual

Undergraduate Scholars Forum

Tuesday, April 1, 2014

PROGRAM

beyond expectations

Program at a Glance

7:00– 8:00	**Registration, Poster Set-up, Breakfast**	HUB Atrium/Ohio Room
8:00 –9:20	**Concurrent Sessions A**	
	A1 College Life I	HUB Conemaugh Room
	A2 Business Case Competition (8:00-10:50)	HUB Monongahela Room 1
	A3 Community Development	HUB Monongahela Room 2
	A4 Gender, Sex and the Media	HUB Allegheny Room 1
	A5 Monetary Economics	HUB Allegheny Room 2
	A6 Mental Health	HUB Knowlton Room
9:30 – 10:50	**Concurrent Sessions B**	
	B1 College Life II	HUB Conemaugh Room
	B3 Music	HUB Monongahela Room 2
	B4 Energy Extraction	HUB Allegheny Room 1
	B5 Topics in Applied Macroeconomics	HUB Allegheny Room 2
	B6 Health	HUB Knowlton Room
11:45	Lunch	
11:00-12:20	**Concurrent Sessions C**	
	C2 Perception of Beauty	HUB Monongahela Room 1
	C3 Memory and Perception	HUB Monongahela Room 2
	C4 Crime	HUB Allegheny Room 1
	C5 Economic Development	HUB Allegheny Room 2
	C6 Diet and Obesity	HUB Knowlton Room
	C7 Fine Arts Performances	Cogswell Room 126
12:30-1:45	**Poster Discussions**	HUB Ohio&Susquehanna Rooms
2:00 – 3:20	**Concurrent Sessions D**	
	D2 Gender Issues	HUB Monongahela Room 1
	D3 The Media and Popular Culture	HUB Monongahela Room 2
	D4 Regional Planning	HUB Allegheny Room 1
	D5 Topics in Applied Microeconomics	HUB Allegheny Room 2
	D6 History	HUB Knowlton Room
April 1-18: Tue-Fri 12:00 – 4:00	**Juried Art Exhibit**	Kipp Gallery, Sprowls Hall

Wednesday
April 2, 2014

1:30 – 2:30	**Awards Ceremony and Program (USF & GSF Combined)** *Deans' Awards, Poster Session Awards, Best Bibliography Awards, Presentation and Performance Session Awards, Sigma Xi, S-COAM Award for Best Computational Science Poster, ECO Award and Door Prizes*	HUB Ohio Room
5:00–7:00	**Undergraduate Juried Art Reception & Awards Ceremony**	Kipp Gallery, Sprowls Hall

Ninth Annual IUP Undergraduate Scholars Forum

Sponsored by

Dr. Michael Driscoll, IUP President

and

The School of Graduate Studies and Research

Forum Co-Chairs – Dr. H. Edward Donley, Dr. Jennifer L. Gossett, Dr. J. Beth Mabry, and Dr. Lisa Price

Special Thanks to:

- Dr. Michael Driscoll, President
- Forum Judges
- Session Moderators
- SGSR Staff and Student Workers
- Software Development Center
- Christopher McGinnis, Department of Art
- Kathy Matty and HUB Set-Up Crew

Award Sponsors:

- Academic Deans:

  Dean Yaw Asamoah, College of Humanities and Social Studies
  Dean Robert Camp, Eberly College of Business and Information Technology
  Dean Mark Correia, College of Health and Human Services
  Dean Michael Hood, College of Fine Arts
  Dean Lara Luetkehans, College of Education and Educational Technology
  Dean Timothy Mack, School of Graduate Studies and Research

- IUP Research Institute, Mr. Mark Berezansky, Executive Director
- ARAMARK
- Co-op Store
- S-COAM Program
- IUP Libraries
- Sigma Xi, the Scientific Research Society
- IUP Environmentally Conscious Organization (ECO)

PROGRAM

Concurrent Sessions A

A1 College Life I
8:00am – 9:20am
Conemaugh Room

Session Moderator: Simone Ong

Bilingualism: a comparative analysis among Indiana University of Pennsylvania Bilingual international students and U.S. domestic monolingual students on the perceived importance of being bilingual.
Student: Hannah Tomajko
Faculty Advisor: Dr. Shijuan Liu

How important is grit to the success of minority college students?
Student: Vincent Lopez
Faculty Advisor: Dr. Lynn B Shelly

Documenting Drunks: Plotting a year of police citations, apprehensions, and arrests for alcohol abuse among the college population of Indiana, Pennsylvania
Student: Elaine R Mendus
Faculty Advisor: Dr. Calvin O Masilela

A2 Business Case Competition
8:00am – 10:50am
Monongahela Room #1

Blue Nile Inc.
Students: Deric C Schmidt; Ali J Tappe; Lara N Weisbach; Morgan V Hoover; Haley Kramer
Faculty Advisor: Dr. Joette M Wisnieski

Blue Nile Inc.
Students: Vincent S Little; Sarah M Smiley; Wade S Weiser; Mason B Varner; Kristy M McLaughlin
Faculty Advisor: Dr. Joette M Wisnieski

Blue Nile Inc. in 2010: Will Its Strategy to Remain Number One in Online Diamond Retailing Work?
Students: Kaitlin K Grossman; Christine D Shontz; Phillip M Hannam
Faculty Advisors: Dr. Joette M Wisnieski; Dr. Mildred K Hyde

Blue Nile Inc. in 2010: Will Its Strategy to Remain Number One in Online Diamond Retailing Work?
Students: Elena R Kapp; Ethan L Greek; Elijah P Herman; Margaret E Gagel; Luke A Shreffler
Faculty Advisor: Dr. Joette M Wisnieski

Case Study: Netflix
Student: Naria A Willis
Faculty Advisor: Dr. Joette M Wisnieski

Netflix
Students: Travis J Meyer; Christina L Bryner; Nicholas A Hooper; Marc A Colon; Alexandra R Larch
Faculty Advisor: Dr. Joette M Wisnieski

Netflix's Business Model and Strategy in Renting Movies and TV Episodes
Students: Bethany C Barefoot; Sarah E Begany; Christopher B DiSciullo; Tanner J Patton
Faculty Advisor: Dr. Joette M Wisnieski

A3 Community Development
8:00am – 9:20am
Monongahela Room #2

Session Moderator: Amanda Balough

THE PHILANTHROPIC EFFECT: A study of how professional small market NFL teams giving back to the community has contributed to creating a concrete fan base, and overall team success
Student: Shawn P Rooney
Faculty Advisor: Dr. Donald W Buckwalter

Issues With Electronic Waste Recycling Legislation: A Case Study of Pittsburgh, Pennsylvania
Student: Jessie L Bruckhart
Faculty Advisor: Dr. Calvin O Masilela

Applying Anthropology to Create a Public Blog
Student: Lisa McCann
Faculty Advisor: Dr. Amanda B Poole

Sustainable Development
Students: Jerry L Singleton; Gabrielle Bradshaw; Jenna Schmitt
Faculty Advisor: Dr. Susan R Boser

A4 Gender, Sex and the Media
8:00am – 9:20am
Allegheny Room #1

Session Moderator: Courtney Gummo

Group Presentation: Picturing power, gender, and prejudice
Students: Kelsey E Bryner; Shawni J Scott; Nicole E Gencarelli; Melissa A Crouch
Faculty Advisor: Dr. Irene Kabala

LGBT Representation in Pornography
Student: Faith C Hartzell
Faculty Advisor: Dr. Robert B Heasley

A5 Monetary Economics
8:00am – 9:20am
Allegheny Room #2

Session Moderator: Erica Sittig

Assessing Stock Performance: Analysis of a Virtual Stock Exchange Game
Student: Riley Smith
Faculty Advisor: Dr. Yaya Sissoko

Results for Stock Exchange Exercise
Student: Bobby Johnson
Faculty Advisor: Dr. Yaya Sissoko

Working the Stock Market
Student: Derek Hanely
Faculty Advisor: Dr. Yaya Sissoko

Investing in the Stock Market: A Not So Virtual Game of Risk and Reward
Student: Jessica Black
Faculty Advisor: Dr. Yaya Sissoko

A6 Mental Health
8:00 – 9:20
Knowlton Room

Session Moderator: Megan Rescinito

Introversion and Happiness: Introverts Are Happy Too
Student: Naria A Willis
Faculty Advisor: Dr. Helen C Sitler

Birth Order and Depression
Students: Kaila B Henry: Samantha J Mohney
Faculty Advisor: Dr. Beth Mabry

Gender Bias in the Diagnosis of Cluster B Personality Disorders
Student: Kristen N Swope
Faculty Advisor: Dr. Dante E Mancini

Effects of Breakfast Composition on Cognitive Performance
Student: Kerry L Young
Faculty Advisor: Dr. Dan D Sadler

Concurrent Sessions B

B1 College Life II
9:30am – 10:50am
Conemaugh Room

Session Moderator: Kevin Winters

Adjustment to College Life in Students with Symptoms of ADHD
Student: Laura L Bennett
Faculty Advisor: Dr. Laura A Knight

A, B or Whatever: An Exploration of Grading Scales in American Higher Education
Students: Keyonna M Savage; Brittany M Baker; Christopher C Sport; Jacqueline J Johnson; Max C Merlina
Faculty Advisor: Dr. Mary Beth Leidman

The Effects of Parenting Styles and Family Structure on the Personal Adjustments of College Students
Student: Aijah K Baruti-Goodwin
Faculty Advisor: Dr. Laura A Knight

Student Involvement in a Digital Age: How Social Networking Relates to Students' Level of Involvement at their University
Student: John R Osborn
Faculty Advisor: Dr. Beth Mabry

B3 Music
9:30am – 10:50am
Monongahela Room #2

Session Moderator: Nicole Bradley

The Conductor's Efffect on the Listening Experience
Student: Phillip S Wyant
Faculty Advisor: Dr. Michael G Kingan

The Mind of Music: How Our Brain Can Be Changed Using Symphonies and Songs
Student: Orren J Vigo
Faculty Advisor: Dr. Matthew R Baumer

Gender Associations in Music
Student: Samantha Andrejcisk
Faculty Advisor: Dr. Kevin E Eisensmith

B4 Energy Extraction
9:30am – 10:50am
Allegheny Room #1

Session Moderator: Rebecca Kruise

Impacts on Health and Hearing from Hydraulic Fracturing ("Fracking") in Local PA Residents
Student: Emily M Romberger
Faculty Advisor: Dr. Cynthia M Richburg

Mineral and Surface Rights: How Oil and Gas Drilling is Affecting the Environment in the Allegheny National Forest
Student: Tori F Menendez
Faculty Advisor: Dr. Calvin O Masilela

Using GIS to Document Potential Risk to Biodiversity for Counties in Pennsylvania caused by Marcellus Shale Drilling
Student: Melissa A Creighton
Faculty Advisor: Dr. Calvin O Masilela

The impact of the Sulphur Creek Acid Mine Drainage site on the macro invertebrate community in Adams Township
Student: Erik D Vogel
Faculty Advisor: Dr. Calvin O Masilela

B5 Topics in Applied Macroeconomics
9:30am – 10:50am
Allegheny Room #2

Session Moderator: Jessica Black

Unemployment: An Examination of Underlying Causes Across the United States
Student: Jennifer Johnson
Faculty Advisor: Dr. James Jozefowicz

Okun's Law: Expanding on the Modern Theory
Student: Celeste Catalano
Faculty Advisor: Dr. James Jozefowicz

Determinants of Economic Growth
Student: Emily Port
Faculty Advisor: Dr. James Jozefowicz

Determinants of a City Population Growth
Student: Bobby Johnson
Faculty Advisor: Dr. James Jozefowicz

B6 Health
9:30am – 10:50pm
Knowlton Room

Session Moderator: Olivia Flick

Cold Sores and Lysine
Student: Danielle M Nielsen; Taylor R Jones; Sofia L Szanto; Alexandra M Julian
Faculty Advisor: Dr. Nicole Clark

Traditional Chinese Medicine is Historically On Point
Student: Jennifer M Wagner
Faculty Advisor: Mr. Benjamin B Roberts

Therapeutics for Acute Myeloid Leukemia
Student: Estefania J Alba Rodriguez
Faculty Advisor: Dr. Calvin O Masilela

Understanding the Pathophysiology behind Ventricular Remodeling
Students: Lisa A Rigano
Faculty Advisor: Mr. Earl Garnder

Concurrent Sessions C

C2 Perception of Beauty
11:00am – 12:20pm
Monongahela Room #1

Session Moderator: Simone Ong

Double Eyelids and Egg-Shaped Faces: Using the Language of Korean Women to Better Understand the Standards of Female Beauty
Student: Elizabeth P Reynolds
Faculty Advisor: Dr. Anastasia M Hudgins

Peer Influence on Body Image Dissatisfaction
Student: Samantha M Shelton; Kelsey M Hoover
Faculty Advisor: Dr. Beth Mabry

To Pump or not to Pump: An Analysis of Indiana University of Pennsylvania Female Perceptions of Health Risks Associated with Wearing High Heeled Shoes
Student: Cherise M Key
Faculty Advisor: Dr. Madeline Paternostro Bayles

C3 Memory and Perception
11:00am – 12:20pm
Monongahela Room #2

Session Moderator: Sean Marie Harold

Utilizing Imagery to Improve Destination Memory in Younger and Older Adults
Student: Katie E Stanko
Faculty Advisor: Dr. Tara L Johnson

Demonstrating Dynamical Perception in Humans using Topological Features: A Study Replicating the Discovery of Hysteresis in Neural Networks
Student: Shannon N Williams
Faculty Advisor: Dr. Lisa C Newell

C4 Crime
11:00am – 12:20pm
Allegheny Room #1

Session Moderator: Shavonne Arthurs

Don't Come Back: A Study of How the Geographic Distribution of Inmates in the Pennsylvania State Correctional Institutions Affects the Recidivism Rate
Student: Joseph J Livoti
Faculty Advisor: Dr. Calvin O. Masilela

Are Zero Tolerance Policies the "Silver Bullet" for Reducing Juvenile Violence?: A Review of Reported Crime in the Philadelphia Metropolitan Area
Student: Ashante J Richards
Faculty Advisor: Dr. John Lewis

Crime Rates: A Study On The Differences Surrounding High Schools and Colleges
Student: Michael J Eisenberger
Faculty Advisor: Jonathon A Cooper

C5 Economic Development
11:00am – 12:20pm
Allegheny Room #2

Session Moderator: Devin Gray

Factors Affecting Economic Growth and Development in Jordan: An Empirical Study
Student: Zac Nelson
Faculty Advisor: Dr. Yaya Sissoko

Crisis in Chad
Student: Melissa Ward
Faculty Advisor: Dr. Yaya Sissoko

Poverty in the Republic of Sudan
Student: Joseph Givens
Faculty Advisor: Dr. Yaya Sissoko

Poverty in Rwanda
Student: Dylan Baker
Faculty Advisor: Dr. Yaya Sissoko

C6 Diet and Obesity
11:00am – 12:20pm
Knowlton Room

Session Moderator: Sara Sidelinger

Diet Modification in Crohns Disease Management and Post Diagnosis Patient Communication
Student: Kathryn N Lynch
Faculty Advisor: Dr. Nicole A Clark; Dr. John Branscum

Location is Key and Contributes to Obesity
Student: Gina Bush
Faculty Advisor: Dr. Calvin O Masilela

Obese by Design: A Comparative Analysis of Memphis, TN and San Francisco, CA
Student: Alexander A Davis
Faculty Advisor: Dr. Calvin O Masilela

C7 Fine Arts Performances
11:00am – 12:20pm
Cogswell Room 126

Session Moderator: Lydia Hassell

Exploring Mental Illness and Character Relationships in "Proof" by David Auburn
Student: Kaitlyn P McGilvray
Faculty Advisor: Dr. Robert T Gretta; Dr. Michael S Schwartz

Polyphony for the Solo String Instrument: Structural Expression in J.S. Bach's Works for Solo Violin and Cello
Student: Steven R Moon
Faculty Advisor: William Z Collins

Power Girls Electronic Ensemble
Student: Caitlin M Nance; Samantha N Baydar; Rachel M Villareale; Jessica S Rice
Faculty Advisor: Dr. David G Martynuik; Dr. Laura S Ferguson

Concurrent Sessions D

D2 Gender Issues
2:00pm – 3:20pm
Monongahela Room #1

Session Moderator: Lori Wiester

The Shunammite Woman and Elisha: An Exploration of a Gender/Power Dynamic in the Monarchy of Ancient Israel
Student: Clark E Aitkins
Faculty Advisor: Dr. Alison J Downie

Gendering Tamriel: Character Creation in The Elder Scrolls Video Game Series and Gender Stereotypes
Student: Melissa R King
Faculty Advisor: Dr. Beth Mabry

Tired of Speaking for Change?: Gender Progressives and Burnout
Student: Gary L Prunty
Faculty Advisor: Dr. Beth Mabry

Seventeenth Century to Modern Portrayal of Heteronormative Gender, Sexism, and Rape Culture through Representation in Film: A Cross-Analysis of Life, Personality, and Work of Artemisia Gentileschit
Student: Amber Clark
Faculty Advisor: Dr. Irene Kabala

D3 The Media and Popular Culture
2:00pm – 3:20pm
Monongahela Room #2

Session Moderator: Adam Harring

A statistical analysis of the state of, and trends in, the mass media in the US
Students: Tori M Feydt; Alexis J Blouch
Faculty Advisor: Dr. Stanford G Mukasa

The Occupy Movement: Raising Awareness of Inequality through Media Coverage
Student: Lauren A MacWithey
Faculty Advisor: Dr. Beth Mabry

Blurring the Lines: Exposure to Rap Music and its Effect on Perceptions of Violence Against Women
Student: Madison D Crist
Faculty Advisor: Dr. Beth Mabry

D4 Regional Planning
2:00pm – 3:20pm
Allegheny Room #1

Session Moderator: Paul Rainey

Winds of Change? A Study of Wind Energy Potential in Pennsylvania
Student: Daniel A Romanelli
Faculty Advisor: Dr. Calvin O Masilela

How Smart Growth is Shaping New Ideas of Development in America Cities: The Case of Pittsburgh
Student: Vincent D Paparella
Faculty Advisor: Dr. Calvin O Masilela

Measuring the Success of a Road Diet: A Case Study of Philadelphia Street, Indiana County, PA
Student: Madeline M Matusik
Faculty Advisor: Dr. Calvin O Masilela

D5 Topics in Applied Microeconomics
2:00pm – 3:20pm
Allegheny Room #2

Session Moderator: Jennifer Johnson

A Revolution of Tap: Determinants of Microbrewery Prevalence at the State Level
Students: Zac Nelson; Riley Smith
Faculty Advisor: Dr. James Jozefowicz

Pricing Behaviors of Large Carriers in the United States Airline Industry
Students: Ashleigh Craig; Theresa Scarnati
Faculty Advisor: Dr. James Jozefowicz

Hedonic Model Remix: The Determinants of Rum Prices
Students: Shannon Costa; Amanda Wade
Faculty Advisor: Dr. James Jozefowicz

The Social and Industrial Determinants of Imports and Exports
Students: Devin Gray; Sarah Lynn
Faculty Advisor: Dr. James Jozefowicz

D6 History
2:00pm – 3:20pm
Knowlton Room

Session Moderator: Michael Farrington

Medicine and Culture in Early Modern Europe
Student: Erika K Barlow
Faculty Advisors: Dr. Lynn A Botelho; Dr. Soo C Lu

Makers; or the Cultural Dynamics of a Civil War & Research Notes
Student: J.M. Wasko
Faculty Advisor: Dr. B.A. Harrington

An Exploration of Soviet Union Foreign Policy and its Impact in Latin America
Student: Michael Duffey
Faculty Advisor: Dr. Caleb P Finegan

Juried Art Exhibit
April 1 - 18, 2014
Tuesday - Friday
12:00 pm - 4:00 pm
Sprowls Hall

Brittany Byrd
Allison Chang
Hannah Cramer
Nicole Gencarelli
Cheyenne Helman
Kendalyn Sypolt
Haley Woodley
Page Cashdollar
Kathryn Close
Liz Frank
David Havrilla
Andrea Petrillo
J.M. Wasko

Poster Session Details

HUB Susquehanna & Ohio Rooms
Time: 8:00-3:30
Setup 7:00 - 8:00 am; Q & A 12:30 - 1:45pm; Removal 3:30 - 4:00 pm

HUB Susquehanna Room

P01 *Kidney Regeneration: A Stem Cell Approach*
Student: Elon K Denio
Faculty Advisor: Dr. Cuong Q Diep

P02 *Evaluation of Double-stranded (ds) RNA from Select Isolates of Rhizoctonia solani*
Students: Hannah I Cornman, Lauren R Comunale, and Mary S Chey
Faculty Advisors: Dr. Seema Bharathan and Dr. Bharathan Narayanaswamy

P03 *Teacher Work Sample*
Student: Samantha J Thompson
Faculty Advisor: Dr. Holly J Travis

P04 *A Novel Approach for Detecting and Monitoring the Health Status of Environmental Waters for Tomato Mosaic Virus (ToMV)*
Students: Kyle P Zelesnick, Ty A Sampsell, Stephen C Deak, and Mary S Chey
Faculty Advisors: Dr. Seema Bharathan and Dr. Bharathan Narayanaswamy

P05 *Fluorescent Imaging of Rhizoctonia Solani Isolate Strain TOM7 Hyphae Anastomosis*
Student: Robert P Connacher
Faculty Advisor: Dr. Bharathan Narayanaswamy

P06 *Assessment of 8th Grade Environmental Science Students' Understanding of Terrestrial Biomes Unit*
Student: Catherine D Krygeris
Faculty Advisor: Dr. Anne E Simmons

P07 *Analysis of Student Learning in a 9th Grade Biology Class*
Student: Elizabeth A Patterson
Faculty Advisor: Dr. Holly J Travis

P08 *The Effect of Alternative Assessments*
Student: Laura K Delozier
Faculty Advisor: Dr. Anne E Simmons

P09 *Genetic divergence in Central American leaf-litter toads (Anura: Bufonidae: Rhaebo haematiticus) suggest speciation across the Nicaraguan Depression*
Student: Gretchen R McCormick
Faculty Advisor: Dr. Josiah H Townsend

P10 *Seasonal Activity and Abundance of the Blacklegged Tick (Ixodes scapularis) and Infection Prevalence of the Lyme Disease Bacterium (Borrelia burgdorferi) in Mid-Western Pennsylvania*
Students: James C Shea and Rebecca A Kruise
Faculty Advisor: Dr. Thomas Simmons

P11 *Mitochondrial phylogenetics of a rainforest frog, Lithobates warszewitschii (Anura: Ranidae), from the Caribbean Lowlands of Central America*
Student: Kayla D Weinfurther
Faculty Advisor: Dr. Josiah H Townsend

P12 *Synthesis of K2(ZnxCo1-x)SiO4 and Na2(ZnxCo1-x)SnO4*
Student: Cassandra G Hanley
Faculty Advisor: Dr. Charles H Lake

P13 *A Novel Method for Purification of S. cerevisiae Srs2 helicase C-Terminal Domain Fragment (783-1144)*
Student: Jonbrandon Mullholand
Faculty Advisor: Dr. Jana L Villemain

P14 *Computational Study of Finkelstein Reactions*
Student: Teresa M Dierks
Faculty Advisor: Dr. Justin D Fair

P15 *Synthesis and Characterization of CoTe and CoTe2*
Student: Charles M Culbertson
Faculty Advisor: Dr. Charles H Lake

P16 *Monitoring Fluorescence Changes of Tryptophan in Bovine Serum Albumin*
Students: Amanda J Blaker and Melissa R Limbacher
Faculty Advisor: Dr. Jana L Villemain

P17 *Synthesis, Characterization, Spectroscopic, and Electrochemical Studies of Ruthenium Complexes*
Students: Elizabeth A Stimmell and Aaron M Kishlock
Faculty Advisor: Dr. Avijita Jain

P18 *Following Protein Trafficking in Yeast Using Fluorescence Confocal Microscopy*
Student: Abbey M Smola **- Withdrawn**
Faculty Advisor: Dr. Jana L Villemain

P19 *The Computational Investigation of Hydrogen Gas Absorption on Graphene Sheets Using the Eley-Rideal Mechanism*
Student: Peter J Greenawalt
Faculty Advisors: Dr. Majid Karimi and Dr. Carl R LeBlond

P20 *X-ray Powder Diffraction Investigation of Na2(Znx, Co1-x)GeO4*
Student: Brett A Duell
Faculty Advisor: Dr. Charles H Lake

P21 *Three dimensional stream flow imaging of an EmRiver Em2 stream table with a Microsoft Kinect sensor*
Student: Michael R Stoehr
Faculty Advisor: Dr. Katherine L Farnsworth

P22 *Effects of Dual-Phase Extraction on Benzene/MTBE Concentrations for a Site with a Historic Underground Petroleum Release*
Student: Nicholas S Zbur
Faculty Advisor: Dr. Karen R Cercone

P23 *Analysis of Field Based Fault Kinematic and Structural Fabric Data from Southwestern Taiwan to Determine Stress Geometry During Early Mountain Building*
Student: Thomas J Paronish
Faculty Advisor: Dr. Jon C Lewis

P24 *Indiana, Pa Streams: The Correlation Between Stream Gauge Height and Sediment Volume Output Within the Two Lick Creek Watershed*
Student: Jonathan W Greenawalt
Faculty Advisor: Dr. Katherine L Farnsworth

P25 *Energy Consumption Analysis of Indiana University of Pennsylvania Residence Halls*
Student: Shannen R Stiffler
Faculty Advisor: Dr. Steven A Hovan

P26 *Upper Cambrian Agnostoid Arthropods and conodonts from the Jones Ridge Limestone, eastern Alaska.*
Students: Tyler J Allen
Faculty Advisor: Dr. John F Taylor

P27 *Dissolved Material Flux into Yellow Creek Reservoir, Indiana County, Pennsylvania*
Students: Nicholas C Gressang
Faculty Advisor: Dr. Katherine L Farnsworth

P28 *Potential causes for along-strike variability of slow slip events in south-central Alaska*
Student: William D Watkins
Faculty Advisor: Dr. Jon C Lewis

P29 *Thermal Maturity Modelling of The Marcellus Shale: Impact of Variable Geothermal Gradients on Estimates of Eroded Overburden*
Student: Jerome Z Kay
Faculty Advisor: Dr. Karen R Cercone

P30 *A Geospatial Analysis of Marcellus Shale Gas Production and Associated Activities within the Commonwealth of Pennsylvania*
Students: Thomas J Paronish, Jesse W Kunkle, and Danielle E Frye
Faculty Advisor: Dr. John E Benhart

P31 *Models of Hypothetical Stream Contamination from Hydrualic Fracturing of the Marcellus Shale in Indiana County, Pennsylvania*
Student: Dennis J Carpinello
Faculty Advisor: Dr. Karen R Cercone

P32 *Morphometric Analysis for Characterizing Submarine Drainage Networks: East Scotian Slope Canyon System, Offshore Nova Scotia*
Student: James E Wagner
Faculty Advisor: Dr. Katherine L Farnsworth

P33 *Trilobite Biostratigraphy Near the Base of the Proposed "Lawsonian Stage" Across Southern North America (Western Laurentia)*
Student: Zachary C Tolbart
Faculty Advisor: Dr. John F Taylor

P34 *Environmental Site Assessment of the former Josephine Iron Works in Indiana County, Pennsylvania*
Student: Alexander Q Patterson
Faculty Advisor: Dr. Karen R Cercone

P35 *Sediment Flux Over Time in California Rivers: Correlation with Climatic and Anthropogenic Events*
Student: Samantha R Ritzer
Faculty Advisor: Dr. Katherine L Farnsworth

P36 *Utility and Significance of Newly Discovered Trilobite Faunas from the El Paso Group in New Mexico and west Texas*
Student: Savannah J Irwin
Faculty Advisor: Dr. John F Taylor

HUB Ohio Room

P37 *Post-Earthquake Haiti: Exploring Human Trafficking and the Restavek System of the Haitian Culture Before and After Natural Disaster*
Student: Chelsea A Brentley
Faculty Advisor: Dr. Beth Mabry

P38 *Jurors and Eyewitness Identifications: Can Videotaped Line-Up Procedures Assist Jurors in Discriminating Between Accurate and Inaccurate Eyewitnesses in Cross-Race Identifications?*
Student: Halee V Stroup
Faculty Advisor: Dr. Margaret C Reardon

P39 *Disability Visibility and Stigma*
Student: Lakota J Ridinger
Faculty Advisor: Dr. Beth Mabry

P40 *The Possible Involvement of Orexin in the Regulation of Green Anole (Anolis carolinensis) Aggressive Behavior.*
Students: Matthew K Papinchak, Laura B Murdaugh, and Allan A Hall
Faculty Advisor: Dr. William J Farrell

P41 *A Way Out: Poverty and Upward Mobility*
Student: Alexis R Combes
Faculty Advisor: Dr. Beth Mabry

P42 *The Effects of Incidental and Intentional Learning on Destination Memory Accuracy*
Student: David S Ampofo
Faculty Advisor: Dr. Tara L Johnson

P43 *Does Hospice Care Reduce The Emotional Strain Of Caregivers?*
Student: Heidi A Farmery
Faculty Advisor: Dr. Beth Mabry

P44 *Prevalence of ADHD symptoms in a college student population*
Student: Allan A Hall
Faculty Advisor: Dr. Laura A Knight

P45 *How Mentors Make a Long Term Difference*
Student: Hilary Zimmerman
Faculty Advisor: Dr. Beth Mabry

P46 *Internet-related Predictors of Perceived Stress in College Students*
Students: Tanya M Timko, Adrienne N Stover, Jessie A Dalrymple, and Kalean E Duffy
Faculty Advisor: Dr. Tara L Johnson

P47 *Combat Exposure and Drug Abuse among Male War Veterans*
Students: Danielle R Ackerson and Alison M Williams
Faculty Advisor: Dr. Beth Mabry

P48 *Analysis of Academic Success Factors in Student Athletes*
Students: Jessica N Wallace, Amy L Fairman, Olivia A Pannabecker, and Jera M Scott
Faculty Advisor: Dr. Richard Hsiao

P49 *Post 9/11 War Veteran Life: Investigating the Relationship between Combat Exposure and Substance Abuse*
Student: Stephanie R Smith
Faculty Advisor: Dr. Beth Mabry

P50 *Examining the effects of I-sharing on helping behavior*
Student: Nicolas J Fillgrove
Faculty Advisor: Dr. Anson E Long

P51 *Exposure to Movie/TV Violence and Interpersonal Aggression*
Student: Christopher A Zele
Faculty Advisor: Dr. Beth Mabry

P52 *Relationship Between Music and Crime*
Students: Angela M Sherry, Brandon E Pavucsko, Derrick Boone, Jeremiah G McPhearson, and Myles D Burden
Faculty Advisor: Dr. Robert J Mutchnick

P53 *Relationship Attachment and Intimate Partner Violence*
Students: Megan E Melega and Rebekah I Beers
Faculty Advisor: Dr. Beth Mabry

P54 *Insider trading*
Student: Christopher J Baker
Faculty Advisor: Dr. Jeffery J Roth

P55 *Occupational Stress & Alcohol Use*
Student: Kelly N Simile
Faculty Advisor: Dr. Beth Mabry

P56 *White Township Stormwater Resource Invetory*
Student: Vincent D Paparella and Kyle Brown
Faculty Advisor: Dr. John E Benhart

P57 *Is Drinking and Driving More Common Among College Students from Rural Areas?: A Comparison with Students from Urban and Suburban Areas*
Student: Nicholas A Bellini
Faculty Advisor: Dr. Beth Mabry

P58 *Temporal Indicators in the Ceramic Assemblage from the Johnston Site*
Student: Amanda Balough
Faculty Advisor: Dr. Sarah W Neusius

P59 *Finding Your Success: Recovering Addicts Personal Feelings on Recovery Success*
Student: Hannah L McNally
Faculty Advisor: Dr. Beth Mabry

P60 *Geophysical Perspective of Hanna's Town*
Student: Chloë S Stevens
Faculty Advisor: Dr. Benjamin L Ford

P61 *Do As I Say Not As I Do: The Influence of Parental Substance Abuse on Adolescents Substance Abuse*
Students: Abigail E Shaw, Stephanie L Lucchese, and Tracy M Montgomery
Faculty Advisor: Dr. Beth Mabry

P62 *IUP ResLife Culture: The Impact of Residence Hall Structure on Student Life and the University Experience.* - **Withdrawn**
Student: Rachel S Scherer
Faculty Advisor: Dr. Victor Q Garcia

P63 *Does Age Matter? Blame Placed On Child Sexual Abuse Perpetrators*
Student: Leah M Steetle
Faculty Advisor: Dr. Beth Mabry

P64 *Preliminary Analysis of Ground Stone Tools From the Johnston Site*
Student: Connor L McClain
Faculty Advisor: Dr. Sarah W Neusius

P65 *Is there a Cycle of Child Abuse?: A Meta-Analysis of Existing Studies*
Student: Krystal U Gillette
Faculty Advisor: Dr. Beth Mabry

P66 *Parent's Awareness of Human Services Programs That May Contribute to the Preventio of Juvenile Delinquency*
Student: Tod M Berry
Faculty Advisor: Dr. Beth Mabry

P67 *Relationship Between Music and Crime*
Students: Cody M Rubin, Jose A Aponte, Timothy A Weaver, and Cykhira N Walton
Faculty Advisor: Dr. Robert J Mutchnick

P68 *Horse Play to Heal: Therapists Perceptions of the Benefits of Equine Therapy for Abused Children*
Student: Marah C Campbell
Faculty Advisor: Dr. Beth Mabry

P69 *Inigi Kayap: Stewardship, Knowledge, and the Environment*
Student: Taralyn E Federoff
Faculty Advisor: Dr. Amanda B Poole

P70 *Drug Education Programs: Effective Drug Use Prevention?*
Student: Ashley E Nicholson
Faculty Advisor: Dr. Beth Mabry

P71 *Mounds for and By Whom?: A Ceramic Assemblage Analysis of Mounds A and F at Angel Mounds*
Student: Samantha A Conklin
Faculty Advisor: Dr. Sarah W Neusius

P72 *Perceived Effectiveness of Military Leadership through a Gendered Lens*
Student: Devan C Mercer
Faculty Advisor: Dr. Beth Mabry

P73 *Digital Ethnography for Sustainable Development in Indiana, PA*
Students: Carrie A Aitkins and John R Osborn
Faculty Advisor: Dr. Amanda B Poole

P74 *Men's Recognition of the Objectification of Women in Media Images and Their Attitudes about Gender Equality*
Student: Amy E Haller, Adriana S Cromwell, and Giana C Harvey
Faculty Advisor: Dr. Beth Mabry

P75 *Gender Stereotypes in Children's Literature*
Student: Chelsie N Carter
Faculty Advisor: Dr. Jo Anne Kerr

P76 *Gendered Body Image: Is Body Image Only an Issue for Women?*
Student: Stephanie D Carney
Faculty Advisor: Dr. Beth Mabry

P77 *Police Misconduct: To Protect and Deceive*
Students: Christina M Mumau, Amber L Gregory, Kelsey E Petrusic, Kayla M Pitzerell, and Rebecca N Malaczewski
Faculty Advisor: Dr. Robert J Mutchnick

P78 *Electronic Device Use and Social Anxiety in Face-to-Face Interactions*
Student: Matheau I McKee
Faculty Advisor: Dr. Beth Mabry

P79 *ESL students: Growing rates, unprepared staff--a look into the future*
Student: Kristi E Quinn
Faculty Advisor: Dr. Brian D Carpenter

P80 *Gender Role Attitudes & Marital/Partner Relationship Satisfaction*
Students: Kimberly M Culyba and Corey M Sam
Faculty Advisor: Dr. Beth Mabry

P81 *Land Use and Walkability Analysis of New Kensington, Pennsylvania*
Students: Cody R Nolen, Michael D Matthews, and Jesse W Kunkle
Faculty Advisor: Dr. John E Benhart

P82 *Am I Beautiful? Adolescents' Attitudes on Body Image and their Family's Messages*
Student: Chelsea E Jacobs
Faculty Advisor: Dr. Beth Mabry

P83 *GIS Development for Indiana University of Pennsylvania Americans with Disabilities Act Compliance*
Students: Vincent J Gray and Bryan D Rape
Faculty Advisor: Dr. John E Benhart

P84 *Family Instability, Risk Behaviors and Detrimental Outcomes Among Teenage Girls*
Students: Gabriella M Rohde and Angela E Schmidt
Faculty Advisor: Dr. Beth Mabry

P85 *3D Modeling of Coal Seam Data Acquired from Large-Format Mine Maps*
Students: Samantha A Conklin and Michael A Burfeind
Faculty Advisor: Dr. John E Benhart

P86 *What Types of Anti-Drug and Anti-Bullying Prevention Programs are Most Effective in Reducing Juvenile Delinquency: A Meta-Analysis*
Student: Charlotte M Kralik-Smith
Faculty Advisor: Dr. Beth Mabry

P87 *Clymer Form Based Codes Map*
Students: Henry S Main, Melissa A Creighton, and Josh George
Faculty Advisor: Dr. John E Benhart

P88 *The Positive Role Parents Can Have in Preventing Cyber-bullying*
Student: Kristen Weber
Faculty Advisor: Dr. Beth Mabry

P89 *The CCD Epidemic: A Comparative Study in Sustainable Honey Bee Production Between Commercial and Backyard Bee Operators in the United States*
Student: Aleesandria Gonzalez
Faculty Advisor: Dr. Donald W Buckwalter

P90 *A Lasting Impact: What College Students Remember About Effective and Ineffective Anti-Bullying Programs in Secondary Education*
Students: Sara J Zacchero and Kedron D Jones
Faculty Advisor: Dr. Beth Mabry

P91 *GIS Mapping for the Pennsylvania Environmental Council-Land Trail Alternatives from New Alexandria to Keystone State Park*
Students: Nathan A Rector and Joseph J Livoti II
Faculty Advisor: Dr. John E Benhart

P92 *College, Emergence into Adulthood, and Religious Identity.*
Students: Charles F Adamchik and Jocelyn R Hepler
Faculty Advisor: Dr. Beth Mabry

P93 *Upper Chest Creek Restoration Initiative*
Students: Tyler D Pollagi and Justin A Smith
Faculty Advisor: Dr. John E Benhart

P94 *Health & Wealth on Campus*
Students: Jennifer L Pfeil and Brina Vaughn
Faculty Advisor: Dr. Beth Mabry

P95 *Sociolinguistic Implications of Internet-Based Language as a Growing Dialect of English*
Student: Nicholas Marsellas
Faculty Advisor: Dr. Heather H Powers

P96 *Spatial Improvement Analysis for the Dirt and Gravel Roads in the Little Mahoning Watershed*
Students: James A Volosky and Ryan N Brown
Faculty Advisor: Dr. John E Benhart

P97 *Overcoming Barriers to Academic Success Among First-Generation College Students*
Student: Josie M Bash
Faculty Advisor: Dr. Beth Mabry

P98 *Geographic Distribution of Tree Species in Powdermill Nature Reserve*
Students: Ashley N Gibson and Seth Chandler
Faculty Advisor: Dr. John E Benhart

P99 *Social Forces Impact on Students College Attendance*
Student: Victoria M Varner
Faculty Advisor: Dr. Beth Mabry

P100 *The Optimist - Dramaturgy*
Student: Devon M Pettie
Faculty Advisor: Dr. Michael S Schwartz

P101 *Othello in the Modern World of Reader's Theater*
Student: Johanna K Thompson
Faculty Advisor: Dr. Jo Anne Kerr

P102 *The Cost of College and Decisions about Pursuing Higher Education*
Student: Megan E Turby
Faculty Advisor: Dr. Beth Mabry

Presentation and Poster Session Judges

Rick Adkins
John Benhart
Stephanie Caulder
Nicole Clark
Alison Downie
Katie Farnsworth
Mac Fiddner
Sudeshna Gosh
Riah Hoffman
Vida Irani
Chris Jeffords
Stephanie Jozefowicz
John Kilmarx
Jaeju Ko
Ida Laquatra
John Levey
Bob Major
Joe Marcoline
Hilario Molina
Paul Nealen
Michele Papakie
Todd Potts
Dan Sadler
Bryna Siegel Finer
Todd Thompson
Jana Villemain
Susan Zimny
Tim Austin
Seema Bharathan
John Chrispell
Christine Clewall
Wendy Elcesser
Bill Farrell
Ben Ford
Jennifer Gossett
Rick Hsiao
Avijita Jain
Rita Johnson
Ali Kappel
Kim Bitna
Anne Kondo
Carl LeBlond
Elaine Little
Dante Mancini
Nate McElroy
Nurhaya Muchtar
Sarah Neusius
Shannon Phillips-Shyrock
Lisa Price
Michelle Sandhoff
Yaya Sissoko
Joe Townsend
Gabriela Wasileski
Jessica Baum
Joshua Castle
Kristy Chunta
Jon Cooper
Waleed Farag
Laura Ferguson
Colleen Freyvogel
Kate Hanrahan
Dana Hysock Witham
Chris Janicak
Jim Jozefowicz
Greg Kenning
Laura Knight
Keith Kyler
Dan Lee
Carl Luciano
Joe Mannard
Wanda Minnick
Channa Navaratna
Lisa Newell
Amanda Poole
Meg Reardon
Diane Shinberg
Alexi Thompson
Brandon Vick
Andy Zhou

Presenters

Ackerson, Danielle; Combat Exposure and Drug Abuse among Male War Veterans; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P47

Adamchik, Charles; College, Emergence into Adulthood, and Religious Identity; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P92

Aitkins, Carrie; Digital Ethnography for Sustainable Development in Indiana, PA; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P73

Aitkins, Clark; The Shunammite Woman and Elisha: An Explorationof a Gender/Power Dynamic in the Monarchy of Ancient Israel; 2:00 PM - 3:20 PM; Hadley Union, Monongahela Room 1

Alba Rodriguez, Estefania; Therapeutics for Acute Myeloid Leukemia Derived From Oplopanax Horridus; 9:30 AM - 10:50 AM; Hadley Union, Knowlton Room

Allen, Tyler; Upper Cambrian Agnostoid Arthropods and conodonts from the Jones Ridge Limestone, eastern Alaska; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P26

Ampofo, David; The Effects of Incidental and Intentional Learning on Destination Memory Accuracy; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P42

Andrejcisk, Samantha; Gender Associations in Music; 9:30 AM - 10:50 AM; Hadley Union, Monongahela Room 2

Aponte, Jose; Relationship Between Music and Crime; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P67

Baker, Brittany; A, B or Whatever: An Exploration of Grading Scales in American Higher Education; 9:30 AM - 10:50 AM; Hadley Union, Conemaugh Room

Baker, Christopher; Insider trading; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P54

Baker, Dylan; Poverty in Rwanda; 11:00 AM - 12:20 PM; Hadley Union, Allegheny Room 2

Balough, Amanda; Temporal Indicators in the Ceramic Assemblage from the Johnston Site; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P58

Barefoot, Bethany; Netflix's Business Model and Strategy in Renting Movies and TV Episodes; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Barlow, Erika; Medicine and Culture in Early Modern Europe; 2:00 PM - 3:20 PM; Hadley Union, Knowlton Room

Baruti-Goodwin, Aijah; The Effects of Parenting Styles and Family Structure on the Personal Adjustment of College Students; 9:30 AM - 10:50 AM; Hadley Union, Conemaugh Room

Bash, Josie; Overcoming Barriers to Academic Success Among First-Generation College Students; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P97

Baydar, Samantha; Power Girls Electronic Ensemble; 11:00 AM - 12:20 PM; Hadley Union, Cogswell Room 126

Beers, Rebekah; Relationship Attachment and Intimate Partner Violence; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P53

Begany, Sarah; Netflix's Business Model and Strategy in Renting Movies and TV Episodes; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Bellini, Nicholas; Is Drinking and Driving More Common Among College Students from Rural Areas?: A Comparison with Students from Urban and Suburban Areas; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P57

Bennett, Laura; Adjustment to College Life in Students with Symptoms of ADHD; 9:30 AM - 10:50 AM; Hadley Union, Conemaugh Room

Berry, Tod; Parent's Awareness of Human Services Programs That May Contribute to the Preventio of Juvenile Delinquency; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P66

Black, Jessica; Investing in the Stock Market: A Not So Virtual Game of Risk and Reward; 8:00 AM - 9:20 AM; Hadley Union, Allegheny Room 2

Blaker, Amanda; Monitoring Fluorescence Changes of Tryptophan in Bovine Serum Albumin; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P16

Blouch, Alexis; A statistical analysis of the state of, and trends in, the mass media in the US; 2:00 PM - 3:20 PM; Hadley Union, Monongahela Room 2

Boone, Derrick; Relationship Between Music and Crime; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P52

Bradshaw, Gabrielle; Sustainable Development; 8:00 AM - 9:20 AM; Hadley Union, Monongahela Room 2

Brentley, Chelsea; Post-Earthquake Haiti: Exploring Human Trafficking and the Restavek System of the Haitian Culture Before and After Natural Disaster; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P37

Brown, Ryan; Spatial Improvement Analysis for the Dirt and Gravel Roads in the Little Mahoning Watershed; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P96

Bruckhart, Jessie; Issues With Electronic Waste Recycling Legislation: A Case Study of Pittsburgh, Pennsylvania; 8:00 AM - 9:20 AM; Hadley Union, Monongahela Room 2

Bryner, Christina; Netflix; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Bryner, Kelsey; Group Presentation: Picturing power, gender, and prejudice; 8:00 AM - 9:20 AM; Hadley Union, Allegheny Room 1

Burden, Myles; Relationship Between Music and Crime; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P52

Burfeind, Michael; 3D Modeling of Coal Seam Data Acquired from Large-Format Mine Maps; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P85

Bush, Gina; Location is Key and Contributes to Obesity; 11:00 AM - 12:20 PM; Hadley Union, Knowlton Room

Campbell, Marah; Horse Play to Heal: Therapists Perceptions of the Benefits of Equine Therapy for Abused Children; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P68

Carney, Stephanie; Gendered Body Image: Is Body Image Only an Issue for Women?; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P76

Carpinello, Dennis; Models of Hypothetical Stream Contamination from Hydrualic Fracturing of the Marcellus Shale in Indiana County, Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P31

Carter, Chelsie; Gender Stereotypes in Children's Literature; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P75

Catalano, Celeste; Okun's Law: Expanding on the Modern Theory; 9:30 AM - 10:50 AM; Hadley Union, Allegheny Room 2

Chandler, Seth; Geographic Distribution of Tree Species in Powdermill Nature Reserve; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P98

Chey, Mary; Evaluation of Double-stranded (ds) RNA from Select Isolates of Rhizoctonia solani; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P02

Chey, Mary; A Novel Approach for Detecting and Monitoring the Health Status of Environmental Waters for Tomato Mosaic Virus (ToMV); 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P04

Clark, Amber; Seventeenth Century to Modern Portrayal of Heteronormative Gender, Sexism, and Rape Culture through Representation in Film : A Cross-Analysis of Life, Personality, and Work of Artemisia Gentileschit; 2:00 PM - 3:20 AM; Hadley Union, Monongahela Room 1

Colon, Marc; Netflix; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Combes, Alexis; A Way Out: Poverty and Upward Mobility; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P41

Comunale, Lauren; Evaluation of Double-stranded (ds) RNA from Select Isolates of Rhizoctonia solani; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P02

Conklin, Samantha; Mounds for and By Whom?: A Ceramic Assemblage Analysis of Mounds A and F at Angel Mounds; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P71

Conklin, Samantha; 3D Modeling of Coal Seam Data Acquired from Large-Format Mine Maps; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P85

Connacher, Robert; Fluorescent Imaging of Rhizoctonia Solani Isolate Strain TOM7 Hyphae Anastomosis; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P05

Cornman, Hannah; Evaluation of Double-stranded (ds) RNA from Select Isolates of Rhizoctonia solani; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P02

Costa, Shannon; Hedonic Model Remix: The Determinants of Rum Prices; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 2

Craig, Ashleigh; Pricing Behaviors of Large Carriers in the United States Airline Industry; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 2

Creighton, Melissa; Using GIS to Document Potential Risk to Biodiversity for Counties in Pennsylvania caused by Marcellus Shale Drilling; 9:30 AM - 10:50 AM; Hadley Union, Allegheny Room 1

Creighton, Melissa; Clymer Form Based Codes Map; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P87

Crist, Madison; Blurring the Lines: Exposure to Rap Music and its Effect on Perceptions of Violence Against Women; 2:00 PM - 3:20 PM; Hadley Union, Monongahela Room 2

Cromwell, Adriana; Men's Recognition of the Objectification of Women in Media Images and Their Attitudes about Gender Equality; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P74

Crouch, Melissa; Group Presentation: Picturing power, gender, and prejudice; 8:00 AM - 9:20 AM; Hadley Union, Allegheny Room 1

Culbertson, Charles; Synthesis and Characterization of CoTe and CoTe2; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P15

Culyba, Kimberly; Gender Role Attitudes & Marital/Partner Relationship Satisfaction; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P80

Dalrymple, Jessie; Internet-related Predictors of Perceived Stress in College Students; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P46

Davis, Alexander; Obese by Design: A Comparative Analysis of Memphis, TN and San Francisco, CA; 11:00 AM - 12:20 PM; Hadley Union, Knowlton Room

Deak, Stephen; A Novel Approach for Detecting and Monitoring the Health Status of Environmental Waters for Tomato Mosaic Virus (ToMV); 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P04

Delozier, Laura; The Effect of Alternative Assessments; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P08

Denio, Elon; Kidney Regeneration: A Stem Cell Approach; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P01

Dierks, Teresa; Computational Study of Finkelstein Reactions; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P14

DiSciullo, Christopher; Netflix's Business Model and Strategy in Renting Movies and TV Episodes; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Duell, Brett; X-ray Powder Diffraction Investigation of Na2(Znx, Co1-x)GeO4; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P20

Duffey, Michael; An Exploration of Soviet Union Foreign Policy and its Impact in Latin America; 2:00 PM - 3:20 PM; Hadley Union, Knowlton Room

Duffy, Kalean; Internet-related Predictors of Perceived Stress in College Students; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P46

Eisenberger, Michael; Crime Rates: A Study On The Differences Surrounding High Schools and Colleges; 11:00 AM - 12:20 PM; Hadley Union, Allegheny Room 1

Fairman, Amy; Analysis of Academic Success Factors in Student Athletes; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P48

Farmery, Heidi; Does Hospice Care Reduce The Emotional Strain Of Caregivers?; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P43

Federoff, Taralyn; Inigi Kayap: Stewardship, Knowledge, and the Environment; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P69

Feydt, Tori; A statistical analysis of the state of, and trends in, the mass media in the US; 2:00 PM - 3:20 PM; Hadley Union, Monongahela Room 2

Fillgrove, Nicolas; Examining the effects of I-sharing on helping behavior; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P50

Frye, Danielle; A Geospatial Analysis of Marcellus Shale Gas Production and Associated Activities within the Commonwealth of Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P30

Gagel, Margaret; Blue Nile Inc. in 2010: Will Its Strategy to Remain Number One in Online Diamond Retailing Work?; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Gencarelli, Nicole; Group Presentation: Picturing power, gender, and prejudice; 8:00 AM - 9:20 AM; Hadley Union, Allegheny Room 1

George, Josh; Clymer Form Based Codes Map; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P87

Gibson, Ashley; Geographic Distribution of Tree Species in Powdermill Nature Reserve; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P98

Gillette, Krystal; Is there a Cycle of Child Abuse?: A Meta-Analysis of Existing Studies; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P65

Givens, Joseph; Poverty in the Republic of Sudan; 11:00 AM - 12:20 PM; Hadley Union, Allegheny Room 2

Gonzalez, Aleesandria; The CCD Epidemic: A Comarative Study in Sustainable Honey Bee Production Between Commercial and Backyard Bee Operators in the United States; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P89

Gray, Devin; The Social and Industrial Determinants of Imports and Exports; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 2

Gray, Vincent ; GIS Development for Indiana University of Pennsylvania Americans with Disabilities Act Compliance; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P83

Greek, Ethan; Blue Nile Inc. in 2010: Will Its Strategy to Remain Number One in Online Diamond Retailing Work?; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Greenawalt, Jonathan; Indiana, Pa streams: The Correlation Between Stream Gauge Height and Sediment Volume Output Within the Two Lick Creek Watershed; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P24

Greenawalt, Peter; The Computational Investigation of Hydrogen Gas Absorption on Graphene Sheets Using the Eley-Rideal Mechanism; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P19

Gregory, Amber; Police Misconduct: To Protect and Deceive; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P77

Gressang, Nicholas; Dissolved Material Flux into Yellow Creek Reservoir, Indiana County, Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P27

Grossman, Kaitlin; Blue Nile Inc. in 2010: Will Its Strategy to Remain Number One in Online Diamond Retailing Work?; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Hall, Allan; The Possible Involvement of Orexin in the Regulation of Green Anole (Anolis carolinensis) Aggressive Behavior; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P40

Hall, Allan; Prevalence of ADHD symptoms in a college student population; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P44

Haller, Amy; Men's Recognition of the Objectification of Women in Media Images and Their Attitudes about Gender Equality; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P74

Hanely, Derek; Working the Stock Market; 8:00 AM - 9:20 AM; Hadley Union, Allegheny Room 2

Hanley, Cassandra; Synthesis of K2(ZnxCo1-x)SiO4 and Na2(ZnxCo1-x)SnO4; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P12

Hannam, Phillip; Blue Nile Inc. in 2010: Will Its Strategy to Remain Number One in Online Diamond Retailing Work?; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Hartzell, Faith; LGBT Representation in Pornography; 8:00 AM - 9:20 AM; Hadley Union, Allegheny Room 1

Harvey, Giana; Men's Recognition of the Objectification of Women in Media Images and Their Attitudes about Gender Equality; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P74

Henry, Kaila; Birth Order and Depression; 8:00 AM - 9:20 AM; Hadley Union, Knowlton Room

Hepler, Jocelyn; College, Emergence into Adulthood, and Religious Identity; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P92

Herman, Elijah; Blue Nile Inc. in 2010: Will Its Strategy to Remain Number One in Online Diamond Retailing Work?; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Hooper, Nicholas; Netflix; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Hoover, Kelsey; Peer Influence on Body Image Dissatisfaction; 11:00 AM - 12:20 PM; Hadley Union, Monongahela Room 1

Hoover, Morgan; Blue Nile Inc.; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Irwin, Savannah; Utility and Significance of Newly Discovered Trilobite Faunas from the El Paso Group in New Mexico and west Texas; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P36

Jacobs, Chelsea; Am I Beautiful? Adolescents' Attitudes on Body Image and their Family's Messages; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P82

Johnson, Bobby; Determinants of a City Population Growth; 9:30 AM - 10:50 AM; Hadley Union, Allegheny Room 2

Johnson, Bobby; Results for Stock Exchange Exercise; 8:00 AM - 9:20 AM; Hadley Union, Allegheny Room 2

Johnson, Jacqueline; A, B or Whatever: An Exploration of Grading Scales in American Higher Education; 9:30 AM - 10:50 AM; Hadley Union, Conemaugh Room

Johnson, Jennifer; Unemployment: An Examination of Underlying Causes Across the United States; 9:30 AM - 10:50 AM; Hadley Union, Allegheny Room 2

Jones, Kedron; A Lasting Impact: What College Students Remember About Effective and Ineffective Anti-Bullying Programs in Secondary Education; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P90

Kapp, Elena; Blue Nile Inc. in 2010: Will Its Strategy to Remain Number One in Online Diamond Retailing Work?; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Kay, Jerome; Thermal Maturity Modelling of The Marcellus Shale: Impact of Variable Geothermal Gradients on Estimates of Eroded Overburden; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P29

Key, Cherise; To Pump or not to Pump: An Analysis of Indiana University of Pennsylvania Female Perceptions of Health Risks Associated with Wearing High Heeled Shoes; 11:00 AM - 12:20 PM; Hadley Union, Monongahela Room 1

King, Melissa; Gendering Tamriel: Character Creation in The Elder Scrolls Video Game Series and Gender Stereotypes; 2:00 PM - 3:20 PM; Hadley Union, Monongahela Room 1

Kishlock, Aaron; Synthesis, Characterization, Spectroscopic, and Electrochemical Studies of Ruthenium Complexes; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P17

Kralik-Smith, Charlotte; What Types of Anti-Drug and Anti-Bullying Prevention Programs are Most Effective in Reducing Juvenile Delinquency: A Meta-Analysis; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P86

Kramer, Haley; Blue Nile Inc.; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Kruise, Rebecca; Seasonal Activity and Abundance of the Blacklegged Tick (Ixodes scapularis) and Infection Prevalence of the Lyme Disease Bacterium (Borrelia burgdorferi) in Mid-Western Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P10

Krygeris, Catherine; Assessment of 8th Grade Environmental Science Students' Understanding of Terrestrial Biomes Unit; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P06

Kunkle, Jesse; Land Use and Walkability Analysis of New Kensington, Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P81

Kunkle, Jesse; A Geospatial Analysis of Marcellus Shale Gas Production and Associated Activities within the Commonwealth of Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P30

Larch, Alexandra; Netflix; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Limbacher, Melissa; Monitoring Fluorescence Changes of Tryptophan in Bovine Serum Albumin; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P16

Little, Vincent; Blue Nile Inc.; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Livoti, Joseph; Don't Come Back: A Study of How the Geographic Distribution of Inmates in the Pennsylvania State Correctional Institutions Affects the Recidivism Rate; 11:00 AM - 12:20 PM; Hadley Union, Allegheny Room 1

Livoti II, Joseph; GIS Mapping for the Pennsylvania Environmental Council-Land Trail Alternatives from New Alexandria to Keystone State Park; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P91

Lopez, Vincent; How important is grit to the success of minority college students?; 8:00 AM - 9:20 AM; Hadley Union, Conemaugh Room

Lucchese, Stephanie; Do As I Say Not As I Do: The Influence of Parental Substance Abuse on Adolescents Substance Abuse; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P61

Lynch, Kathryn; Diet Modification in Crohns Disease Management and Post Diagnosis Patient Communication; 11:00 AM - 12:20 PM; Hadley Union, Knowlton Room

Lynn, Sarah; The Social and Industrial Determinants of Imports and Exports; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 2

MacWithey, Lauren; The Occupy Movement: Raising Awareness of Inequality through Media Coverage; 2:00 PM - 3:20 PM; Hadley Union, Monongahela Room 2

Main, Henry; Clymer Form Based Codes Map; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P87

Malaczewski, Rebecca; Police Misconduct: To Protect and Deceive; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P77

Marsellas, Nicholas; Sociolinguistic Implications of Internet-Based Language as a Growing Dialect of English; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P95

Matthews, Michael; Land Use and Walkability Analysis of New Kensington, Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P81

Matusik, Madeline; Measuring the Success of a Road Diet: A Case Study of Philadelphia Street, Indiana County, PA; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 1

McCann, Lisa; Applying Anthropology to Create a Public Blog; 8:00 AM - 9:20 AM; Hadley Union, Monongahela Room 2

McClain, Connor; Preliminary Analysis of Ground Stone Tools From the Johnston Site; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P64

McCormick, Gretchen; Genetic divergence in Central American leaf-litter toads (Anura: Bufonidae: Rhaebo haematiticus) suggest speciation across the Nicaraguan Depression; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P09

McGilvray, Kaitlyn; Exploring Mental Illness and Character Relationships in "Proof" by David Auburn; 11:00 AM - 12:20 PM; Hadley Union, Cogswell Room 126

McKee, Matheau; Electronic Device Use and Social Anxiety in Face-to-Face Interactions; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P78

McLaughlin, Kristy; Blue Nile Inc.; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

McNally, Hannah; Finding Your Success: Recovering Addicts Personal Feelings on Recovery Success; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P59

McPhearson, Jeremiah; Relationship Between Music and Crime; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P52

Melega, Megan; Relationship Attachment and Intimate Partner Violence; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P53

Mendus, Elaine; Documenting Drunks: Plotting a year of police citations, apprehensions, and arrests for alcohol abuse among the college population of Indiana, Pennsylvania; 8:00 AM - 9:20 AM; Hadley Union, Conemaugh Room

Menendez, Tori; Mineral and Surface Rights: How oil and gas drilling is affecting the environment in the Allegheny National Forest; 9:30 AM - 10:50 AM; Hadley Union, Allegheny Room 1

Mercer, Devan; Perceived Effectiveness of Military Leadership through a Gendered Lens; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P72

Merlina, Max; A, B or Whatever: An Exploration of Grading Scales in American Higher Education; 9:30 AM - 10:50 AM; Hadley Union, Conemaugh Room

Meyer, Travis; Netflix; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Mohney, Samantha; Birth Order and Depression; 8:00 AM - 9:20 AM; Hadley Union, Knowlton Room

Montgomery, Tracy; Do As I Say Not As I Do: The Influence of Parental Substance Abuse on Adolescents Substance Abuse; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P61

Moon, Steven; Polyphony for the Solo String Instrument: Structural Expression in J.S. Bach's Works for Solo Violin and Cello; 11:00 AM - 12:20 PM; Hadley Union, Cogswell Room 126

Mullholand, Jonbrandon; A Novel Method for Purification of S. cerevisiae Srs2 helicase C-Terminal Domain Fragment (783-1144); 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P13

Mumau, Christina; Police Misconduct: To Protect and Deceive; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P77

Murdaugh, Laura; The Possible Involvement of Orexin in the Regulation of Green Anole (Anolis carolinensis) Aggressive Behavior; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P40

Nance, Caitlin; Power Girls Electronic Ensemble; 11:00 AM - 12:20 PM; Hadley Union, Cogswell Room 126

Nelson, Zackary; Factors Affecting Economic Growth and Development in Jordan: An Empirical Study; 11:00 AM - 12:20 PM; Hadley Union, Allegheny Room 2

Nelson, Zackary; A Revolution on Tap: Determinants of Microbrewery Prevalence at the State Level; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 2

Nicholson, Ashley; Drug Education Programs: Effective Drug Use Prevention?; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P70

Nolen, Cody; Land Use and Walkability Analysis of New Kensington, Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P81

Osborn, John; Student Involvement in a Digital Age: How Social Networking Relates to Students' Level of Involvement at their University; 9:30 AM - 10:50 AM; Hadley Union, Conemaugh Room

Osborn, John; Digital Ethnography for Sustainable Development in Indiana, PA; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P73

Pannabecker, Olivia; Analysis of Academic Success Factors in Student Athletes; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P48

Paparella, Vincent; How Smart Growth is Shaping New Ideas of Development in American Cities: The Case of Pittsburgh; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 1

Paparella, Vincent; White Township Stormwater Resource Invetory; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P56

Papinchak, Matthew; The Possible Involvement of Orexin in the Regulation of Green Anole (Anolis carolinensis) Aggressive Behavior; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P40

Paronish, Thomas; Analysis of Field Based Fault Kinematic and Structural Fabric Data from Southwestern Taiwan to Determine Stress Geometry During Early Mountain Building; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P23

Paronish, Thomas; A Geospatial Analysis of Marcellus Shale Gas Production and Associated Activities within the Commonwealth of Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P30

Patterson, Alexander; Environmental Site Assessment of the former Josephine Iron Works in Indiana County, Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P34

Patterson, Elizabeth; Analysis of Student Learning in a 9th Grade Biology Class; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P07

Patton, Tanner; Netflix's Business Model and Strategy in Renting Movies and TV Episodes; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Pavucsko, Brandon; Relationship Between Music and Crime; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P52

Petrusic, Kelsey; Police Misconduct: To Protect and Deceive; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P77

Pettie, Devon; The Optimist - Dramaturgy; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P100

Pfeil, Jennifer; Health & Wealth on Campus; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P94

Pitzerell, Kayla; Police Misconduct: To Protect and Deceive; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P77

Pollagi, Tyler; Upper Chest Creek Restoration Initiative; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P93

Port, Emily; Determinants of Economic Growth; 9:30 AM - 10:50 AM; Hadley Union, Allegheny Room 2

Prunty, Gary; Tired of Speaking for Change?: Gender Progressives and Burnout; 2:00 PM - 3:20 PM; Hadley Union, Monongahela Room 1

Quinn, Kristi; ESL students: Growing rates, unprepared staff—a look into the future ; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P79

Rape, Bryan; GIS Development for Indiana University of Pennsylvania Americans with Disabilities Act Compliance; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P83

Rector, Nathan; GIS Mapping for the Pennsylvania Environmental Council-Land Trail Alternatives from New Alexandria to Keystone State Park; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P91

Reynolds, Elizabeth; Double eyelids and egg-shaped faces: Using the language of Korean women to better understand the standards of female beauty; 11:00 AM - 12:20 PM; Hadley Union, Monongahela Room 1

Rice, Jessica; Power Girls Electronic Ensemble; 11:00 AM - 12:20 PM; Hadley Union, Cogswell Room 126

Richards, Ashante; Are Zero Tolerance Policies the "Silver Bullet" for Reducing Juvenile Violence?: A Review of Reported Crime in the Philadelphia Metropolitan Area; 11:00 AM - 12:20 PM; Hadley Union, Allegheny Room 1

Ridinger, Lakota; Disability Visibility and Stigma; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P39

Rigano, Lisa; Understanding the Pathophysiology behind Ventricular Remodeling; 9:30 AM - 10:50 AM; Hadley Union, Knowlton Room

Ritzer, Samantha; Sediment Flux Over Time in California Rivers: Correlation with Climatic and Anthropogenic Events; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P35

Rohde, Gabriella; Family Instability, Risk Behaviors and Detrimental Outcomes Among Teenage Girls; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P84

Romanelli, Daniel; Winds of Change? A Study of Wind Energy Potential in Pennsylvania; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 1

Romberger, Emily; Impacts on Health and Hearing from Hydraulic Fracturing ("Fracking") in Local PA Residents; 9:30 AM - 10:50 AM; Hadley Union, Knowlton Room

Rooney, Shawn; THE PHILANTHROPIC EFFECT: A study of how professional small market NFL teams giving back to the community has contributed to creating a concrete fan base, and overall team success; 8:00 AM - 9:20 AM; Hadley Union, Monongahela Room 2

Rubash, Lauren; Medicine and Culture in Early Modern Europe; 2:00 PM - 3:20 PM; Hadley Union, Knowlton Room

Rubin, Cody; Relationship Between Music and Crime; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P67

Sam, Corey; Gender Role Attitudes & Marital/Partner Relationship Satisfaction; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P80

Sampsell, Ty; A Novel Approach for Detecting and Monitoring the Health Status of Environmental Waters for Tomato Mosaic Virus (ToMV); 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P04

Savage, Keyonna; A, B or Whatever: An Exploration of Grading Scales in American Higher Education; 9:30 AM - 10:50 AM; Hadley Union, Conemaugh Room

Scarnati, Theresa; Pricing Behaviors of Large Carriers in the United States Airline Industry; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 2

Scherer, Rachel; IUP ResLife Culture: The Impact of Residence Hall Structure on Student Life and the University Experience; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P62

Schmidt, Angela; Family Instability, Risk Behaviors and Detrimental Outcomes Among Teenage Girls; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P84

Schmidt, Deric; Blue Nile Inc.; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Schmitt, Jenna; Sustainable Development; 8:00 AM - 9:20 AM; Hadley Union, Monongahela Room 2

Scott, Jera; Analysis of Academic Success Factors in Student Athletes; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P48

Scott, Shawni; Group Presentation: Picturing power, gender, and prejudice; 8:00 AM - 9:20 AM; Hadley Union, Allegheny Room 1

Shaw, Abigail; Do As I Say Not As I Do: The Influence of Parental Substance Abuse on Adolescents Substance Abuse; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P61

Shea, James; Seasonal Activity and Abundance of the Blacklegged Tick (Ixodes scapularis) and Infection Prevalence of the Lyme Disease Bacterium (Borrelia burgdorferi) in Mid-Western Pennsylvania; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P10

Shelton, Samantha; Peer Influence on Body Image Dissatisfaction ; 11:00 AM - 12:20 PM; Hadley Union, Monongahela Room 1

Sherry, Angela; Relationship Between Music and Crime; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P52

Shontz, Christine; Blue Nile Inc. in 2010: Will Its Strategy to Remain Number One in Online Diamond Retailing Work?; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Shreffler, Luke; Blue Nile Inc. in 2010: Will Its Strategy to Remain Number One in Online Diamond Retailing Work?; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Simile, Kelly; Occupational Stress & Alcohol Use; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P55

Singleton, Jerry; Sustainable Development; 8:00 AM - 9:20 AM; Hadley Union, Monongahela Room 2

Smiley, Sarah; Blue Nile Inc.; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Smith, Justin; Upper Chest Creek Restoration Initiative; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P93

Smith, Riley; A Revolution on Tap: Determinants of Microbrewery Prevalence at the State Level; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 2

Smith, Riley; Assessing Stock Performance: Analysis of a Virtual Stock Exchange Game; 8:00 AM - 9:20 AM; Hadley Union, Allegheny Room 2

Smith, Stephanie; Post 9/11 War Veteran Life: Investigating the Relationship between Combat Exposure and Substance Abuse; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P49

Smola, Abbey; Following Protein Trafficking in Yeast Using FluorescenceConfocal Microscopy; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P18

Sport, Christopher; A, B or Whatever: An Exploration of Grading Scales in American Higher Education; 9:30 AM - 10:50 AM; Hadley Union, Conemaugh Room

Stanko, Katie; Utilizing Imagery to Improve Destination Memory in Younger and Older Adults; 11:00 AM - 12:20 PM; Hadley Union, Monongahela Room 2

Steetle, Leah; Does Age Matter? Blame Placed On Child Sexual Abuse Perpetrators; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P63

Stevens, Chloë; Geophysical Perspective of Hanna's Town; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P60

Stiffler, Shannen; Energy Consumption Analysis of Indiana University of Pennsylvania Residence Halls; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P25

Stimmell, Elizabeth; Synthesis, Characterization, Spectroscopic, and Electrochemical Studies of Ruthenium Complexes; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P17

Stoehr, Michael; Three dimensional stream flow imaging of an EmRiver Em2 stream table with a Microsoft Kinect sensor; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P21

Stover, Adrienne; Internet-related Predictors of Perceived Stress in College Students; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P46

Stroup, Halee; Jurors and Eyewitness Identifications: Can Videotaped Line-Up Procedures Assist Jurors in Discriminating Between Accurate and Inaccurate Eyewitnesses in Cross-Race Identifications?; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P38

Swope, Kristen; Gender Bias in the Diagnosis of Cluster B Personality Disorders; 8:00 AM - 9:20 AM; Hadley Union, Knowlton Room

Tappe, Ali; Blue Nile Inc.; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Thompson, Johanna; Othello in the Modern World of Reader's Theater; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P101

Thompson, Samantha; Teacher Work Sample; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P03

Timko, Tanya; Internet-related Predictors of Perceived Stress in College Students; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P46

Tolbart, Zachary; Trilobite Biostratigraphy Near the Base of the Proposed "Lawsonian Stage" Across Southern North America (Western Laurentia); 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P33

Tomajko, Hannah; Bilingualism: a comparative analysis among Indiana University of Pennsylvania Bilingual international students and U.S. domestic monolingual students on the perceived importance of being bilingual.; 8:00 AM - 9:20 AM; Hadley Union, Conemaugh Room

Turby, Megan; The Cost of College and Decisions about Pursuing Higher Education; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P102

Varner, Mason; Blue Nile Inc.; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Varner, Victoria; Social Forces Impact on Students College Attendance ; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P99

Vaughn, Brina; Health & Wealth on Campus; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P94

Vigo, Orren; The Mind of Music: How Our Brain Can Be Changed Using Symphonies and Songs; 9:30 AM - 10:50 AM; Hadley Union, Monongahela Room 2

Villareale, Rachel; Power Girls Electronic Ensemble; 11:00 AM - 12:20 PM; Hadley Union, Cogswell Room 126

Vogel, Erik; The impact of the Sulphur Creek Acid Mine Drainage site on the macro invertebrate community in Adams Township; 9:30 AM - 10:50 AM; Hadley Union, Allegheny Room 1

Volosky, James; Spatial Improvement Analysis for the Dirt and Gravel Roads in the Little Mahoning Watershed; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P96

Wade, Amanda; Hedonic Model Remix: The Determinants of Rum Prices; 2:00 PM - 3:20 PM; Hadley Union, Allegheny Room 2

Wagner, James; Morphometric Analysis for Characterizing Submarine Drainage Networks: East Scotian Slope Canyon System, Offshore Nova Scotia; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P32

Wagner, Jennifer; Traditional Chinese Medicine is Historically On Point; 9:30 AM - 10:50 AM; Hadley Union, Knowlton Room

Wallace, Jessica ; Analysis of Academic Success Factors in Student Athletes; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P48

Walton, Cykhira; Relationship Between Music and Crime; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P67

Ward, Melissa; Crisis In Chad; 11:00 AM - 12:20 PM; Hadley Union, Allegheny Room 2

Wasko, J.M.; Makers; or the Cultural Dynamics of a Civil War & Research Notes; 2:00 PM - 3:20 PM; Hadley Union, Knowlton Room

Watkins, William; Potential causes for along-strike variability of slow slip events in south-central Alaska; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P28

Weaver, Timothy; Relationship Between Music and Crime; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P67

Weber, Kristen; The Positive Role Parents Can Have in Preventing Cyber-bullying; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P88

Weinfurther, Kayla; Mitochondrial phylogenetics of a rainforest frog, Lithobates warszewitschii (Anura: Ranidae), from the Caribbean Lowlands of Central America ; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P11

Weisbach, Lara; Blue Nile Inc.; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1
Weiser, Wade; Blue Nile Inc.; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Williams, Alison; Combat Exposure and Drug Abuse among Male War Veterans ; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P47

Williams, Shannon; Demonstrating Dynamical Perception in Humans using Topological Features: A Study Replicating the Discovery of Hysteresis in Neural Networks; 11:00 AM - 12:20 PM; Hadley Union, Monongahela Room 2

Willis, Naria; Case Study: Netflix; 8:00 AM - 10:50 AM; Hadley Union, Monongahela Room 1

Willis, Naria; Introversion and Happiness: Introverts Are Happy Too; 8:00 AM - 9:20 AM; Hadley Union, Knowlton Room

Wyant, Phillip; The Conductor's Effect on the Listening Experience; 9:30 AM - 10:50 AM; Hadley Union, Monongahela Room 2

Young, Kerry; Effects of Breakfast Composition on Cognitive Performance; 8:00 AM - 9:20 AM; Hadley Union, Knowlton Room

Zacchero, Sara; A Lasting Impact: What College Students Remember About Effective and Ineffective Anti-Bullying Programs in Secondary Education; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P90

Zbur, Nicholas; Effects of Dual-Phase Extraction on Benzene/MTBE Concentrations for a Site with a Historic Underground Petroleum Release; 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P22

Zele, Christopher; Exposure to Movie/TV Violence and Interpersonal Aggression; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P51

Zelesnick, Kyle; A Novel Approach for Detecting and Monitoring the Health Status of Environmental Waters for Tomato Mosaic Virus (ToMV); 12:00 PM - 1:45 PM; Hadley Union, Susquehanna Room; P04

Zimmerman, Hilary; How Mentors Make a Long Term Difference; 12:00 PM - 1:45 PM; Hadley Union, Ohio Room; P45