Indiana University of Pennsylvania

The Eighth Annual

Undergraduate Scholars Forum

Tuesday, April 2, 2013

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 Anthropology and Research Praxis on Campus	HUB Monongahela Room 1
	A2 Health Care	HUB Monongahela Room 2
	A3 Applied Economics	HUB Allegheny Room 1
	A4 Art	HUB Allegheny Room 2
	A6 Freedom and Responsibility	Susquehanna
9:30 – 10:50	**Concurrent Sessions B**	
	B1 Community and Culture	HUB Monongahela Room 1
	B2 Health and Nutrition	HUB Monongahela Room 2
	B3 Economic Development	HUB Allegheny Room 1
	B4 Art and History	HUB Allegheny Room 2
9:30 – 12:20	B6 Business Case Competition	Susquehanna Room
9:30 – 10:10	B7 Percussion	Cogswell Room 126
11:00-12:20	**Concurrent Sessions C**	
	C1 Access to Education	HUB Monongahela Room 1
	C2 Energy Issues	HUB Monongahela Room 2
	C3 Environmentally Conscious Development	HUB Allegheny Room 1
	C4 Middle Eastern Religions	HUB Allegheny Room 2
12:30-1:45	**Poster Discussions**	HUB Ohio Room
2:00 – 3:20	**Concurrent Sessions D**	
	D1 Self and Emotions	HUB Monongahela Room 1
	D2 Natural Sciences	HUB Monongahela Room 2
	D3 Business	HUB Allegheny Room 1
	D4 Social Dynamics	HUB Allegheny Room 2
4:30 – 5:00	**Reception**	HUB, Ohio Room
5:00 – 6:00	**Awards Ceremony and Program**	HUB Ohio Room
	Juried Art Awards, Poster Session Awards, Bibliography Awards, Session Awards, Sigma Xi Awards, Best Computational Science Poster, and Door Prizes	
6:00–8:00 pm	**Undergraduate Juried Art Exhibition**	Kipp Gallery, Sprowls Hall

Eighth 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. J. Beth Mabry, Dr. Lisa Price

Special Thanks to:

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

Award Sponsors:

- ARAMARK
- Co-op Store
- IUP Research Institute
- S-COAM Program
- IUP Libraries
- Sigma Xi, the Scientific Research Society
- Academic Deans
- IUP Ecology Club

PROGRAM

Concurrent Sessions A

A1 Anthropology and Research Praxis on Campus
8:00am – 9:20am
Monongahela Room #1

Session Chair: Janet Mattern

Chronic Illness in Adolescence: A Comparative Ethnographic Study
Student: Katherine E. Fox
Faculty Advisor: Dr. Victor Q. Garcia

The Visitor Experience at the University Museum
Student: Robin M. Matty
Faculty Advisor: Dr. Victor Q. Garcia

Personality in Greek Life: 'Introvert, Extrovert, or Does it Really Matter'
Student: Carly L. Ryther
Faculty Advisor: Dr. Victor Q. Garcia

IUP ResLife Culture: The Community Assistant versus the Typical Student's Perspective
Student: Rachel S. Scherer
Faculty Advisor: Dr. Victor Q. Garcia

A2 Health Care
8:00am – 9:20am
Monongahela Room #2

Session Chair: Alisha Conway

How MELD Scores Affect the Survival Rate of Liver Transplant Patients
Students: Theresa A. Scarnati; Ashleigh N. Craig
Faculty Advisor: Dr. Frederick A. Adkins

The Invisible Wound: The Incident Rate and Treatment of Hearing Loss in Military Personnel
Student: Lauren A. McClellan
Faculty Advisor: Dr. Carolyn Camp

Minimizing the Occurrences of Drug Resistant Strands of Bacteria with Education and Antibiotic Regimen Compliance: An Exploratory Study of IUP Students
Student: Taqiyya Johnson
Faculty Advisor: Dr. Joyce Shanty

Quality of Care: Patient Satisfaction with Care Received at Rural and Urban Hospitals; and Factors that Contribute to Hospital Choice
Student: Brandon M. Bobbitt
Faculty Advisor: Dr. Teresa C. Shellenbarger

A3 Applied Economics
8:00am – 9:20am
Allegheny Room #1

Session Chair: Chioma Umunnakwe

The Combined Effects of Socioeconomic and Demographic Factors on State-Level Unemployment Rate Volatility
Student: Angela M. Rowland; Grey D. Berrier
Faculty Advisor: Dr. James J. Jozefowicz

Where Are You Shipping Out From?
Student: Shaye L. Kurdziel
Faculty Advisor: Dr. James J. Jozefowicz

The Effects of Power, Prestige and Performance on Salary in the National Hockey League
Students: Ashley M. Alt; Daniel R. Oberkofler
Faculty Advisor: Dr. James J. Jozefowicz

Determinants of Congressional Reelection Rates
Student: William L. Harman
Faculty Advisor: Dr. James J. Jozefowicz

A4 Art
8:00am – 9:20am
Allegheny Room #2

Session Chair: Jason D. Long

Goya's Perception of Time as an Allegorical Figure
Student: Nicolena F. Loshonkohl
Faculty Advisor: Dr. Brenda M. Mitchell

A New Flesh: The Inevitability of Transhumanity
Student: Seth A. Barnes
Faculty Advisor: Dr. Susan M. Palmisano

Explanations
Student: Chelsea K. Long
Faculty Advisor: Dr. Susan M. Palmisano

Sorry, Not Sorry
Student: Corey A. Lim
Faculty Advisor: Dr. Susan M. Palmisano

A6 Freedom and Responsibility
8:00am – 9:20am
Susquehanna Room

Session Chair: Samantha Gavin

Honor Killings: A Defense of Limited Freedom
Student: Kelly A. Muthler
Faculty Advisor: Dr. C. H. Pedersen

The Paradigm of Liberty: American Freedom and the Invitation to Struggle
Student: Kimberly D. Waddy
Faculty Advisor: Dr. Dighton M. Fiddner

Analysis: Foreign Policy of Obama Administration 2008-2012
Student: Sara L. Whitmore
Faculty Advisor: Dr. Dighton M. Fiddner

Results of the Survey and Analysis of Trends in Indiana Voters' Attitudes Towards the Media and Electoral Politics-2000 and 2012
Students: Kelly C. Ekdahl; Cassandra A. Doyle; Latoya Crump
Faculty Advisor: Dr. Stanford G. Mukasa

Concurrent Sessions B

B1 Community and Culture
9:30am – 10:50am
Monongahela Room #1

Session Chair: Courtney Gummo

Linguistic Politics: Language in the Ukraine
Student: Shandra A. Peelman
Faculty Advisor: Dr. Michael T. Williamson

Crime and Coffee: The Correlation between Gentrification and Crime Rates in Pittsburgh, 1991 to 2011
Student: Nicholas R. Fazio
Faculty Advisor: Dr. Calvin O. Masilela

Cultural Study of the Homer City Power Plant
Student: Gabrielle R. Lehigh
Faculty Advisor: Dr. Amanda B. Poole

Living Preferences for Students after Graduation
Student: Joseph J. Tokosh
Faculty Advisor: Dr. Calvin O. Masilela

B2 Health and Nutrition
9:30am – 10:50am
Monongahela Room #2

Session Chair: Jason A Smith

The Effects of a Single Bout of Aerobic Exercise on Resting Energy Expenditure in Sedentary, Obese College-Aged Students
Student: Joshua J. Riffe
Faculty Advisor: Dr. Madeline Paternostro Bayles

Food and Generational Dislocation in China: The Role of the Fast Food Industry
Student: Amanda Balough
Faculty Advisor: Dr. Francis Allard

Perceptions Vs. Misconceptions: What are the Indiana University of Pennsylvania Students' Perceptions and Beliefs Regarding Dietary Supplements Safety, Efficacy, and Regulation Policies?
Student: Christina J. Sponsky
Faculty Advisor: Dr. Nicole A. Clark

B3 Economic Development
9:30am – 10:50am
Allegheny Room #1

Session Chair: Ashleigh Craig

Uganda: An African Leader in Development
Student: Amanda C. Wade
Faculty Advisor: Dr. Yaya Sissoko

The Determinants of China's Economic Development
Student: Wenjing Yun
Faculty Advisor: Dr. Yaya Sissoko

Ethiopia's Underdevelopment: Rising Beyond Missed Opportunities
Student: Chioma C. Umunnakwe
Faculty Advisor: Dr. Yaya Sissoko

B4 History and Art
9:30am – 10:50am
Allegheny Room #2

Session Chair: Chelsea Long

Loyalism, Property and Widowhood in Revolutionary Pennsylvania: The Case of Hannah Lewis
Student: Camille A. Kaszubowski
Faculty Advisor: Dr. Wayne K. Bodle

Civil War! Dissolution of the Self in Researching the War of the Rebellion in Contemporary Art
Student: J. M. Wasko
Faculty Advisor: Dr. Sean M. Derry

Building Nieuw Netherlands: Early Dutch Architecture of the Hudson Valley Area
Student: Amanda E. Henretty
Faculty Advisor: Dr. Julie L. Gomboc-Turyan

Tracing Gothic Architectural Developments: An Iconographic Exploration of Chartres Cathedral's South Transept
Student: Nicole A. Reinaker
Faculty Advisor: Dr. Irene Kabala

B6 Business Case Competition
9:30am – 12:20pm
Susquehanna Room

Case Study on Google
Students: Jessica M. Black; Kathryn E. Boretzky
Faculty Advisors: Dr. Micki Hyde; Dr. Joette M. Wisnieski

Google's Strategy in 2010
Students: Sara M. Foessett; Sarah A. DuFresne; Nicholas R. Distefano; Nicholas G. Magas
Faculty Advisors: Dr. Joette M. Wisnieski; Dr. Micki Hyde

Skype versus AT&T
Students: Nadia C. Dadson; Amanda L. Wagner; Diane M. Killinger; Jason A. Kolenda
Faculty Advisors: Dr. Joette M. Wisnieski; Dr. Micki Hyde

Skype vs AT&T and the Future of Telecommunications
Students: Rachelle E. Ritchey; Rachel C. White; Alex Papadoplos
Faculty Advisors: Dr. Joette M. Wisnieski; Dr. Micki Hyde

B7 Percussion
9:30am – 10:10am
Cogswell Room 126

Session Chair: James S. Martin

The Method to Performing in the Style of Jazz Vibraphone
Student: Dakota J. Kaylor
Faculty Advisor: Dr. Michael G. Kingan

Exploring Music of the Marimba/Vibraphone Duo
Student: Brant E. Roberts
Faculty Advisor: Dr. Michael G. Kingan

Concurrent Sessions C

C1 Access to Education
11:00am – 12:20pm
Monongahela Room #1

Session Chair: Colleen Freyvogel

Where Do We Go From Here? Preliminary Findings on Latino Student Attrition and Retention Rates
Student: Altagracia B. Moquette
Faculty Advisor: Dr. Victor Q. Garcia

Bilingualism and Its Impact on Education
Student: Mary R. Cristello
Faculty Advisor: Dr. Kelli R. Paquette

Supporting the DREAM: An Analysis of Latino Student Perceptions of the DREAM Act
Student: Alyssa M. Ortega
Faculty Advisor: Dr. Victor Q. Garcia

"Does the Use of Admissions Criteria (GPA, SAT Scores) Disadvantage Students from Certain Geographic Locations?"
Student: Nicholas X. Brock
Faculty Advisor: Dr. Victor Q. Garcia

C2 Energy Issues
11:00am – 12:20pm
Monongahela Room #2

Session Chair: Jason A Smith

Clean Coal Technologies: Are Clean Coal Technologies Detrimental to Coal Produced Energies?
Student: Ryan M. Cunningham
Faculty Advisor: Dr. Calvin O. Masilela

Accurate Estimation of Forest Carbon by Remote Sensing and GIS
Student: Michael M. Bowser
Faculty Advisor: Dr. Calvin O. Masilela

A GIS Analysis of Unconventional Well Violations in Pennsylvania
Student: Rebecca F. West
Faculty Advisor: Dr. Calvin O. Masilela

C3 Environmentally Conscious Development
11:00am – 12:20pm
Allegheny Room #1

Session Chair: James S. Martin

The Urban Heat Island Effect: An Analysis on the Influence "Green" Technologies & Programs Have on Mitigating Southwestern United States Heat Islands
Student: Paige N. LaDuca
Faculty Advisor: Dr. Calvin O. Masilela

The Urban Drainage Problem: Effects of New Development and Redevelopment on Local Hydrology
Student: Aaron K. Shaffer
Faculty Advisor: Dr. Calvin O. Masilela

Storm Water Runoff Trends: A Study Employing Green Space Initiatives to Analyze the Decline of Non-point Source Pollutants in Philadelphia
Student: Andrew J. Trefny
Faculty Advisor: Dr. Calvin O. Masilela

The Micro-Economics of Green Infrastructure: It's Ability to Bolster Local Economies and Reduce the Costs of Traditional Infrastructure
Student: Langston H. Denner
Faculty Advisor: Dr. Calvin O. Masilela

C4 Middle Eastern Religions
11:00am – 12:20pm
Allegheny Room #2

Session Chair: Rachel Mihalik

The History and Origins of Satan
Student: Lucas C. Sweeney
Faculty Advisor: Dr. Tawny L. Holm

Demonic Mesopotamia
Student: Katelyn R. Mattes
Faculty Advisor: Dr. Tawny L. Holm

Women and Goddesses in the Ancient Near East
Student: Kristen L. Dewitt
Faculty Advisor: Dr. Tawny L. Holm

"When Above" According to Foucault: A Postmodern Perspective on the Enuma Elish
Student: Anthony M. Farella
Faculty Advisor: Dr. Tawny L. Holm

Concurrent Sessions D

D1 Self and Emotions
2:00pm – 3:20pm
Monongahela Room #1

Session Chair: Jaing Ying

Are All Women Emotional? A Portrayal of Women in Reality TV
Student: Amy E. Paine
Faculty Advisor: Dr. Nurhaya Muchtar

The Effect of Self-Selected vs. Experimenter-Selected Music on Task Performance, Persistence and Mood
Student: Michael E. Knapp
Faculty Advisor: Dr. Donald U. Robertson

Effects of Trauma Exposure on Personality Variables, Self-esteem, Coping, and Psychological Outcomes
Student: Sarah A. Bedwell
Faculty Advisor: Dr. Laura A. Knight

Adaptation After-effects as a Function of Self-reported Autistic-like Traits: A Study of Typically Developing Individuals Whilst Viewing Emotional Faces
Student: Emily L. Silvis
Faculty Advisor: Dr. Lisa C. Newell

D2 Natural Sciences
2:00pm – 3:20pm
Monongahela Room #2

Session Chair: Huachuan Wen

The Salad Bowl in Western Pennsylvania: An Investigation Into Heavy Metal Concentrations in Local Leaf Crops in Consideration With Coal Burning Electric Generating Units
Student: Robin D. Fulmer
Faculty Advisor: Dr. Nathan R. McElroy

A Comparison of Lepidoptera Communities Inhabiting Restored and Degraded Pitch Pine-scrub Oak Barrens in Pennsylvania
Student: Wendy M. Leuenberger
Faculty Advisor: Dr. Jeffery Larkin

D3 Business
2:00pm – 3:20pm
Allegheny Room #1

Session Chair: Colleen Freyvogel

Disney
Students: Barbara A. Yockey; Kaitlin M. Andrasko; Taylor C. Stutzman
Faculty Advisor: Dr. Jennifer C. Jones

Has Teaching of Business Ethics Become a Core Mission of Business School?: An Analysis of PASSHE Business Schools Curriculum
Student: Anthony D. Flowers
Faculty Advisor: Dr. James A. Rodger

D4 Social Dynamics
2:00pm – 3:20pm
Allegheny Room #2

Session Chair: Amanda Balough

Sifting Behaviors: A Look at Methods in the Field
Student: Michelle L. Dufford
Faculty Advisor: Dr. Victor Q. Garcia

The Influence of High School Cliques
Student: Susan A. Scott
Faculty Advisor: Dr. Jennifer M. Woolston

The "Bullying Cycle"
Student: Alexander W. Quail
Faculty Advisor: Dr. Jennifer M. Woolston

Heathers and Teen Suicide
Student: Nathan D. Joyce
Faculty Advisor: Dr. Jennifer M. Woolston

D6 Language and Learning
2:00pm – 3:20pm
Susquehanna Room

Session Chair: TBA

Qu Sabe la Mujer Sabia?: The Power of Knowledge in La Celestina and Donzella Teodor
Student: Jovana Ramos
Faculty Advisor: Dr. Laura L. Delbrugge

Teaching English/Language Arts for the Digital Native
Student: Thomas A. Zupko
Faculty Advisor: Dr. Jo Anne Kerr

Texting the Write Way: How Texting is Beneficial to Students' Writing
Student: Ashley E. Bronakowski
Faculty Advisors: Dr. Helen C. Sitler; Dr. Susan E. Welsh

Educational Aspects of Undergraduate Research on Smartphone Application Development
Students: Thomas E. Taylor; Joseph C. Gibson; Zachary A. Seymour
Faculty Advisors: Dr. David T. Smith; Dr. Terrence P. Fries

Juried Art Exhibit
6:00 pm-8:00 pm
Sprowls Hall

Ben Pyles
Chelsea Long
Corey Lim
David Havrilla
Kathryn Gagnier
Laura Shinn
Nicole Gencarelli
Rachel McHugh
Seth Barnes
Britni Rajter
Chelsea McDonnel
Danielle Heckman
Erika Schnaas
Kelly Nonnemacher
Maraina Miles
Nicolena Loshonkohl
Alyssa Richman
Taylor Gonzales

Poster Session Details

HUB Ohio Room
Time: 8:00-3:20
Setup 7:00 - 8:00 am; Q & A 12:30 - 1:45pm; Removal 3:20 - 4:00 pm

P01 *An Evaluation of Mini Gas Chromatographs in the Undergraduate Organic Chemistry Laboratory*
Student: Elyse M. Kleist
Faculty Advisor: Dr. Justin D. Fair

P02 *Analysis of the zebrafish lhx1a Gene, a Transcription Factor Important for Kidney Development and Regeneration*
Student: Samantha L. Eichelberger
Faculty Advisor: Dr. Cuong Q. Diep

P03 *Biannual Reproduction in Pennsylvania Stream Fishes*
Students: Amy I. Binion; Lee A. New
Faculty Advisor: Dr. William M. Brenneman

P04 *Cellulose Particle Size and Crystallinity Influence Cellulase Kinetics*
Student: Breeanna N. Mintmier
Faculty Advisor: Dr. John C. Ford

P05 *Ethanol Preference in Sexually Deprived Houseflies (*Musca domestica*)*
Student: Lee A. New
Faculty Advisor: Dr. Megan E. Knoch

P06 *How Can We Decrease the Number of Handicapped Babies*
Student: Basma D. Adeeb
Faculty Advisor: Dr. Michele L. Petrucci

P07 *Paving the Way Into an Ancient Eco-Friendly Superfiber: Characterization of Recombinant Spider Silk Expression in* Escherichia coli *Bacteria*
Student: John K Kamau
Faculty Advisors: Dr. Jeffery Larkin; Dr. Robert D. Hinrichsen

P08 *Resonance-Assisted Hydrogen Bonding (RAHB) in Carboxyphosphate*
Student: Teresa M. Dierks
Faculty Advisor: Dr. Justin D. Fair

P09 *Use of DNA Barcoding to Identify Cryptic Species of Caterpillars*
Student: Julie C. Scott
Faculty Advisor: Dr. Ellen H. Yerger

P10 *How to Build a Computer that Suits your Needs*
Student: Mahmood H. Al Homoud
Faculty Advisor: Dr. Michele Petrucci

P11 *"IUP Campus GIS Development"*
Students: Evan J. Tobin; Nicholas R. Fazio; Matthew D. Silveira
Faculty Advisor: Dr. John E. Benhart

P12 *3D Interpretation of Mass Transport Deposits on the East Scotian Rise, Eastern Canada*
Student: Matthew L. Toland
Faculty Advisor: Dr. Thomas P. Gerber

P13 *Bootstraps and Planar Regression: An Algorithm to Identify Possible Faults Using Background Seismicity*
Student: Daniel J. O'Hara
Faculty Advisor: Dr. Jonathan C. Lewis

P14 *Development of a GIS for the Western Pennsylvania Conservancy - Watersheds of the West Branch of the Susquehanna River*
Student: Brian R. Sharkey
Faculty Advisor: Dr. John E. Benhart

P15 *Defining the Time Interval for the Formation of Pedestal Craters on Mars*
Student: James A. Harley
Faculty Advisor: Dr. Kenneth S. Coles

P16 *Correlating Levels of Salt and Metal Contamination in Beaver Run Reservoir to Hydraulic Fracturing of Nearby Marcellus Drill Site Locations*
Student: Adam T. Quinn
Faculty Advisor: Dr. Karen R. Cercone

P17 *Estimating the Amount of Total Organic Carbon in Devonian Shales of the Appalachian Basin Using Wireline Logs: A Case Study from Eastern Kentucky*
Student: Anthony N. Vaiana
Faculty Advisor: Dr. Thomas P. Gerber

P18 *Spatial Analysis of Non-point Nutrient Loading in a Watershed*
Students: Ewelina K. Zielinska-Thomas; Ryan M. Cunningham
Faculty Advisor: Dr. John E. Benhart

P19 *Investigating the Seasons: A New Method in Teaching Science*
Student: Nicole D. Mountain
Faculty Advisor: Dr. Karen R. Cercone; Dr. Calvin O. Masilela

P20 *Refinement of Species Within the Lower Ordovician trilobite Genus* Bellefontia
Student: John C. Kearney
Faculty Advisor: Dr. John F. Taylor

P21 *Sedimentological Analysis of the Black River Bay*
Student: Kellie R. Kerner
Faculty Advisor: Dr. Katherine Farnsworth

P22 *Setting a Standard: Powdermill Nature Reserve Wetland Delineation and Inventor*
Students: Jared W. Barnett; Lydia S. Dehaven; Thomas M. Foy
Faculty Advisor: Dr. John E. Benhart

P23 *Small-Scale Folding Related to Detachment Tectonics - Northern Snake Range, NV*
Student: William D. Watkins
Faculty Advisor: Dr. Thomas P. Gerber

P24 *GIS Analysis of Bathymetric Data and Accumulation Rates in Yellow Creek Lake*
Student: Erin M. McGowan
Faculty Advisor: Dr. Katherine L. Farnsworth

P25 *Spatial Distribution of West Nile Virus in Pennsylvania*
Students: Michael A. Perry; David M. Fulton; Michael M. Hogan; Corey D. Reigh
Faculty Advisor: Dr. John E. Benhart

P26 *Species Diversity of the trilobite Genus* Paraplethopeltis *in the Manitou Formation of Colorado and El Paso Group of New Mexico*
Student: Joy J. Kiefer
Faculty Advisor: Dr. John F. Taylor

P27 *Stream Remediation as an Essential Component to Healthy Watersheds*
Student: Aaron M. Blair
Faculty Advisor: Dr. Karen R. Cercone

P28 *The Influence of Habitat Connectivity on Pennsylvania Fisher Dispersal*
Student: Danielle E. Frye
Faculty Advisor: Dr. John E. Benhart

P29 *Total Dissolved Solids in Twolick Creek Watershed*
Student: Zachary A. Carr
Faculty Advisor: Dr. Katherine L. Farnsworth

P30 *Unconventional Resources in the Appalachian Basin: Understanding the Utica Shale*
Student: Aaron R. Brownley
Faculty Advisor: Dr. Thomas P. Gerber

P31 *Effectiveness of ReadyPA Emergency Preparedness Program in Rural Western Pennsylvania in the Event of a Prolonged Power Failure*
Students: Brandon M. Bobbitt; Brittany C. Delgado
Faculty Advisors: Dr. Cynthia K. Zidek; Dr. Edith A. West; Dr. Michele L. Crytzer

P32 *Financial, Branding, and Service Strategies Play Vital Roles in Hospitality*
Student: Shi-Ting Yan
Faculty Advisor: Dr. Michele Petrucci

P33 *Managing Network & Servers*
Student: Mohemmed A. Masoud
Faculty Advisor: Dr. Michele Petrucci

P34 *Marketing*
Student: Nana A. Haidara
Faculty Advisor: Dr. Michele Petrucci

P35 *Is a Career in Advertising Right for You?*
Student: Yun Ti Huang
Faculty Advisor: Dr. Michele Petrucci

P36 *How to do a Good Marketing*
Student: Nana A. Haidara
Faculty Advisor: Dr. Michele Petrucci

P37 *Production of Cellulase from* Trichoderma reesei *by Solid-state Fermentation on Mixed Waste Paper*
Student: Andrew E. Owens
Faculty Advisor: Dr. John C. Ford

P38 *Physical Activity Levels Among HPED Students*
Students: Rachel M. Ward; Monica K. Laird; Breanne A. Miller
Faculty Advisor: Dr. Richard Hsiao

P39 *Lithic Analysis: The Raw Materials Present in the Lithic Artifacts of the Johnston Site (36In2)*
Student: Michele L. Troutman
Faculty Advisor: Dr. Beverly M. Chiarulli

P40 *Snoring: Risks and Prevention*
Student: Abdulrahman Alanazi
Faculty Advisor: Dr. Michele L. Petrucci

P41 *From Head Lice to HIV: Medical Issues Plaguing America's Prisons*
Student: Cassandra L. Stroman
Faculty Advisor: Dr. Jonathon A. Cooper

P42 *Slapshot Speeds and the Variables that Affect Them*
Students: Cody A. Krynock; Franklinn M. Alexander
Faculty Advisor: Dr. Richard Hsiao

P43 *Sustainable Indiana*
Students: Kelly A. Muthler; Chloe S. Stevens; Bryana G. Urban; Sean M. Herald; Gabrielle R. Lehigh; Kathryn E. Edmondson; Katherine E. Fox
Faculty Advisor: Dr. Amanda B. Poole

P44 *Cultural Questions at the Johnston Site*
Student: Samantha A. Conklin; Chloe S. Stevens; Erin E. Wright; Matthew D. Allen
Faculty Advisor: Dr. Beverly M. Chiarulli

P45 *Dance It, Move It, Learn It: Creating an Interdisciplinary Classroom*
Student: Lindsey R. Grove
Faculty Advisor: Dr. Holly R. Boda-Sutton

P46 *Do You Believe in God?.....*
Student: Danielle L. Lewis
Faculty Advisor: Dr. Raymond W. Beisel

P47 *English Language Acquisition in Saudi Schools*
Student: Hisham A. Sabbagh
Faculty Advisor: Dr. Michele Petrucci

P48 *Gaming and Violence: Is There a Way Out?*
Student: Asim H. Alahmadi
Faculty Advisors: Dr. Michele L. Petrucci; Dr. Maria A. Ananyeva

P49 *Spanish Language*
Student: Noriddin M. Abudabos
Faculty Advisor: Dr. Michele Petrucci

P50 *Production and Purification of* Mus musculus *Prolactin 7d1 Protein to Establish a Relation to Autism*
Student: Margaret T Shaba
Faculty Advisor: Dr. Jonathan N. Southard

P51 *Using Transitions to Enhance Clarity in Writing*
Students: Nicholas Marsellas; Victoria A. Loch
Faculty Advisor: Dr. Jo Anne Kerr

P52 *Using Computer in Learning English*
Student: Noorah Y. Alahsaie
Faculty Advisor: Dr. Michele L. Petrucci

Presentation and Poster Session Judges

Francis Allard
Joseph Baunoch
Kristy Chunta
Sean Derry
Wendy Elcesser
Susan Fello
Riah Hoffman
Micki Hyde
James Jozefowicz
Becky Knickelbein
Crystal Machado
Christopher McGinnis
Paul Nealen
Mark Palumbo
Shannon Phillips-Shyrock
Bryna Siegel Finer
Jin Su
Peizhen Wang
Joette Wisnieski
Luis Almeida
John Chrispell
Jonathon Cooper
Cuong Diep
Katherine Farnsworth
Michelle Fryling
Richard Hsiao
Vida Irani
Alexandria Kappel
Laura Knight
Dante Mancini
Joann Migyanka
Lisa Newell
Kelli Paquette
Margaret Reardon
Yaya Sissoko
Todd Thompson
Daniel Weinstein
Jessica Baum
Christine Clewell
Erika Davis-Frenzel
Joseph Domaracki
William Farrell
Abdul-Jawad Haija
Eun Jin Hwang
Rita Johnson
John Kilmarx
Anson Long
Joseph Mannard
Channa Navaratna
Susan Palmisano
Gloria Park
Camilo Rubbini
Ramesh Soni
Christian Vaccaro
Kustim Wibowo

Session Chairs

Amanda Balough
Colleen Freyvogel
Chelsea Long
Janet Mattern
Chioma Umunnakwe
Alisha Conway
Samantha Gavin
Jason D. Long
Rachael Mihalik
Huachuan Wen
Ashleigh Craig
Courtney Gummo
James S. Martin
Jason A. Smith
Jaing Ying

Presenters

Abudabos, Noriddin; Spanish language; 12:30 - 1:45; Hadley Union, Ohio Room; P49
Adeeb, Basma; How can we decrease the number of handicapped babies; 12:30 - 1:45; Hadley Union, Ohio Room; P06
Al Homoud, Mahmood; How to Build a Computer that Suits your Needs; 12:30 - 1:45; Hadley Union, Ohio Room; P10
Alahmadi, Asim; Gaming and Violence: Is there a way out ?; 12:30 - 1:45; Hadley Union, Ohio Room; P48
Alahsaie, Noorah; Using Computer in Learning English; 12:30 - 1:45; Hadley Union, Ohio Room; P52
Alanazi, Abdulrahman; Snoring: Risks and Prevention.; 12:30 - 1:45; Hadley Union, Ohio Room;P40
Alexander, Franklinn; Slapshot Speeds and the Variables that Affect Them; 12:30 - 1:45; Hadley Union, Ohio Room; P42
Allen, Matthew; Cultural Questions at the Johnston Site; 12:30 - 1:45; Hadley Union, Ohio Room; P44
Alt, Ashley; The Effects of Power, Prestige and Performance on Salary in the National Hockey League; 8:00 - 9:20; Hadley Union, Allegheny Room 1
Andrasko, Kaitlin; Disney; 2:00 - 3:20; Hadley Union, Allegheny Room 1
Balough, Amanda; Food and generational dislocation in China: The role of the fast food industry; 9:30 – 10:50; Hadley Union, Monongahela Room 2
Barnes, Seth; A New Flesh: The Inevitability of Transhumanity; 8:00 - 9:20; Hadley Union, Allegheny Room 2
Barnett, Jared; Setting a Standard: Powdermill Nature Reserve Wetland Delineation and Inventor; 12:30 - 1:20; Hadley Union, Ohio Room; P22
Bedwell, Sarah; Effects of Trauma Exposure on Personality Variables, Self-esteem, Coping, and Psychological Outcomes.; 2:00 - 3:20; Hadley Union, Monongahela Room 1
Berrier, Grey; The Combined Effects of Socioeconomic and Demographic Factors on State-Level Unemployment Rate Volatility; 8:00 - 9:20; Hadley Union, Allegheny Room 1
Binion, Amy; Biannual Reproduction in Pennsylvania Stream Fishes; 12:30 - 1:45; Hadley Union, Ohio Room; P03
Black, Jessica; Case Study on Google; 9:30 - 12:20; Hadley Union, Susquehanna Room
Blair, Aaron; Stream Remediation as an Essential Component to Healthy Watersheds; 12:30 - 1:45; Hadley Union, Ohio Room; P27
Bobbitt, Brandon; Effectiveness of ReadyPA Emergency Preparedness Program in Rural Western Pennsylvania in the Event of a Prolonged Power Failure; 12:30 - 1:45; Hadley Union, Ohio Room; P31
Boretzky, Kathryn; Case Study on Google; 9:30 - 12:20; Hadley Union, Susquehanna Room
Bowser, Michael; Accurate Estimation of Forest Carbon by Remote Sensing and GIS; 11:00 - 12:20; Hadley Union, Monongahela Room 2
Brock, Nicholas; "Does the use of admissions criteria (GPA, SAT Scores) disadvantage students from certain geographic locations?"; 11:00 - 12:20; Hadley Union, Monongahela Room 1
Bronakowski, Ashley; Texting the Write Way: How Texting is Beneficial to Students' Writing; 2:00 - 3:20; Hadley Union, Susquehanna Room
Brownley, Aaron; Unconventional Resources in the Appalachian Basin: Understanding the Utica Shale; 12:30 - 1:45; Hadley Union, Ohio Room; P30
Carr, Zachary; Total Dissolved Solids In Twolick Creek Watershed; 12:30 - 1:45; Hadley Union, Ohio Room; P29
Conklin, Samantha; Cultural Questions at the Johnston Site; 12:30 - 1:45; Hadley Union, Ohio Room; P44

Craig, Ashleigh; How MELD Scores Affect the Survival Rate of Liver Transplant Patients; 8:00 - 9:20; Hadley Union, Monongahela Room 2

Cristello, Mary; Bilingualism and Its Impact on Education; 11:00 - 12:20; Hadley Union, Monongahela Room 1

Crump, Latoya; Results of the survey and analysis of trends in Indiana Voters' attitudes towards the media and electoral politics-2000 and 2012.; 8:00 – 9:20; Hadley Union, Susquehanna Room

Cunningham, Ryan; Spatial Analysis of Non-point Nutrient Loading in a Watershed; 12:30 - 1:45; Hadley Union, Ohio Room; P18

Dadson, Nadia; Skype versus AT&T; 9:30 - 12:20; Hadley Union, Susquehanna Room

Dehaven, Lydia; Setting a Standard: Powdermill Nature Reserve Wetland Delineation and Inventor; 12:30 - 1:45; Hadley Union, Ohio Room; P22

Delgado, Brittany; Effectiveness of ReadyPA Emergency Preparedness Program in Rural Western Pennsylvania in the Event of a Prolonged Power Failure; 12:30 - 1:45; Hadley Union, Ohio Room; P31

Denner, Langston; The Micro-Economics of Green Infrastructure: It's Ability to Bolster Local Economies and Reduce the Costs of Traditional Infrastructure; 11:00 - 12:20; Hadley Union, Allegheny Room 1

Dewitt, Kristen; Women and Goddesses in the Ancient Near East; 11:00 - 12:20; Hadley Union, Allegheny Room 2

Dierks, Teresa; Resonance-Assisted Hydrogen Bonding (RAHB) in Carboxyphosphate; 12:30 - 1:45; Hadley Union, Ohio Room; P08

Distefano, Nicholas; Google's strategy in 2010; 9:30 - 12:20; Hadley Union, Susquehanna Room

Doyle, Cassandra; Results of the survey and analysis of trends in Indiana Voters' attitudes towards the media and electoral politics-2000 and 2012.; 8:00 - 9:20; Hadley Union, Susquehanna Room

Dufford, Michelle; Sifting Behaviors: A Look at Methods in the Field; 2:00 - 3:20; Hadley Union, Allegheny Room 2

DuFresne, Sarah; Google's strategy in 2010; 9:30 - 12:20; Hadley Union, Susquehanna Room

Edmondson, Kathryn; Sustainable Indiana; 12:30 - 1:45; Hadley Union, Ohio Room; P43

Eichelberger, Samantha; Analysis of the zebrafish lhx1a gene, a transcription factor important for kidney development and regeneration; 12:30 - 1:45; Hadley Union, Ohio Room; P02

Ekdahl, Kelly; Results of the survey and analysis of trends in Indiana Voters' attitudes towards the media and electoral politics-2000 and 2012.; 8:00 – 9:20; Hadley Union, Susquehanna Room

Farella, Anthony; "When Above" according to Foucault: A Postmodern Perspective on the Enuma Elish; 11:00 - 12:20; Hadley Union, Allegheny Room 2

Fazio, Nicholas; IUP Campus GIS Development; 12:30 - 1:45; Hadley Union, Ohio Room; P11

Flowers, Anthony; Has Teaching of Business Ethics Become a Core Mission of Business School?: An Analysis of PASSHE Business Schools Curriculum; 2:00 - 3:20; Hadley Union, Allegheny Room 1

Foessett, Sara; Google's strategy in 2010; 9:30 - 12:20; Hadley Union, Susquehanna Room

Fox, Katherine; Chronic Illness in Adolescence: A Comparative Ethnographic Study; 12:30 - 1:45; Hadley Union, Ohio Room; Sustainable Indiana; 12:30 – 1:20; Hadley Union, Ohio Room; P43

Foy, Thomas; Setting a Standard: Powdermill Nature Reserve Wetland Delineation and Inventor; 12:30 – 1:20; Hadley Union, Ohio Room; P22

Frye, Danielle; The Influence of Habitat Connectivity on Pennsylvania Fisher Dispersal; 12:30 - 1:45; Hadley Union, Ohio Room; P28

Fulmer, Robin; The Salad Bowl in Western Pennsylvania: An Investigation Into Heavy Metal Concentrations in Local Leaf Crops in Consideration With Coal Burning Electric Generating Units; 2:00 - 3:20; Hadley Union, Monongahela Room 2

Fulton, David; Spatial Distribution of West Nile Virus in Pennsylvania*;* 12:30-1:45; Hadley Union, Ohio Room; P25

Gibson, Joseph; Educational Aspects of Undergraduate Research on Smartphone Application Development; 2:00 - 3:20; Hadley Union, Susquehanna Room

Grove, Lindsey; Dance It, Move It, Learn It: Creating an Interdisciplinary Classroom; 12:30 - 1:45; Hadley Union, Ohio Room; P45

Haidara, Nana; Marketing; 12:30 - 1:20; Hadley Union, Ohio Room; -34; Who to do a Good Marketing; 12:30 - 1:20; Hadley Union, Ohio Room; P36

Harley, James; Defining the time interval for the formation of pedestal craters on Mars; 12:30 - 1:45; Hadley Union, Ohio Room; P15

Harman, William; Determinants of Congressional Reelection Rates; 8:00 - 9:20; Hadley Union, Allegheny Room 1

Henretty, Amanda; Building Nieuw Netherlands: Early Dutch Archiecture of the Hudson Valley Area; 9:30 - 10:50; Hadley Union, Allegheny Room 2

Herald, Sean; Sustainable Indiana; 12:30 - 1:45; Hadley Union, Ohio Room; P43

Hogan, Michael; Spatial Distribution of West Nile Virus in Pennsylvania; 12:30 - 1:45; Hadley Union, Ohio Room; -25

Huang, Yun Ti; Is a Career in Advertising Right for You?; 12:30 - 1:45; Hadley Union, Ohio Room; P35

Johnson, Taqiyya; Minimizing the Occurrences of Drug Resistant Strands of Bacteria with Education and Antibiotic Regimen Compliance: An Exploratory Study of IUP Students; 8:00 - 9:20; Hadley Union, Monongahela Room 2

Joyce, Nathan; Heathers and Teen Suicide; 2:00 - 3:20; Hadley Union, Allegheny Room 2

Kamau, John; Paving the Way Into an Ancient Eco-Friendly Superfiber: Characterization of Recombinant Spider Silk Expression in *Escherichia coli* Bacteria; 12:30 - 1:45; Hadley Union, Ohio Room; P07

Kaszubowski, Camille; Loyalism, Property and Widowhood in Revolutionary Pennsylvania: The Case of Hannah Lewis; 9:30 - 10:50; Hadley Union, Allegheny Room 2

Kaylor, Dakota; The Method to Performing in the Style of Jazz Vibraphone; 9:30 - 10:10; Cogswell, Room 126

Kearney, John; Refinement of species within the Lower Ordovician trilobite genus Bellefontia; 12:30 – 1:20; Hadley Union, Ohio Room; P20

Kerner, Kellie; Sedimentological Analysis of the Black River Bay; 12:30 - 1:45; Hadley Union, Ohio Room; P21

Kiefer, Joy; Species diversity of the trilobite genus Paraplethopeltis in the Manitou Formation of Colorado and El Paso Group of New Mexico.; 12:30 – 1:20; Hadley Union, Ohio Room; P26

Killinger, Diane; Skype versus AT&T; 9:30 - 12:20; Hadley Union, Susquehanna Room

Kleist, Elyse; An Evaluation of Mini Gas Chromatographs in the Undergraduate Organic Chemistry Laboratory; 12:30 - 1:45; Hadley Union, Ohio Room; P01

Knapp, Michael; The Effect of Self-Selected vs. Experimenter-Selected Music on Task Performance, Persistence and Mood; 2:00 - 3:20; Hadley Union, Monongahela Room 1

Kolenda, Jason; Skype versus AT&T; 9:30 - 12:20; Hadley Union, Susquehanna Room

Krynock, Cody; Slapshot Speeds and the Variables that Affect Them; 12:30 - 1:45; Hadley Union, Ohio Room; P42

Kurdziel, Shaye; Where Are You Shipping Out From?; 8:00 - 9:20; Hadley Union, Allegheny Room 1

LaDuca, Paige; The Urban Heat Island Effect: An Analysis on the Influence "Green" Technologies & Programs Have on Mitigating Southwestern United States Heat Islands; 11:00 - 12:20; Hadley Union, Allegheny Room 1

Laird, Monica; Physical Activity Levels Among HPED Students; 12:30 - 1:45; Hadley Union, Ohio Room; P38

Lehigh, Gabrielle; Cultural Study of the Homer City Power Plant; 9:30 - 10:50; Hadley Union, Monongahela Room 1

Leuenberger, Wendy; A comparison of Lepidoptera communities inhabiting restored and degraded pitch pine-scrub oak barrens in Pennsylvania; 2:00 – 3:20; Hadley Union, Monongahela Room 2

Lewis, Danielle; Do you believe in God?.....; 12:30 - 1:45; Hadley Union, Ohio Room; -46

Lim, Corey; Sorry, Not Sorry; 8:00 - 9:20; Hadley Union, Allegheny Room 2

Loch, Victoria; Using Transitions to Enhance Clarity in Writing; 12:30 - 1:45; Hadley Union, Ohio Room; P51

Long, Chelsea; Explanations; 8:00 - 9:20; Hadley Union, Allegheny Room 2

Loshonkohl, Nicolena; Goya's Perception of Time as an Allegorical Figure; 8:00 - 9:20; Hadley Union, Allegheny Room 2

Magas, Nicholas; Google's strategy in 2010; 9:30 - 12:20; Hadley Union, Susquehanna Room

Marsellas, Nicholas; Using Transitions to Enhance Clarity in Writing; 12:30 - 1:45; Hadley Union, Ohio Room; P51

Masoud, Mohemmed; Managing Network & Servers; 12:30 - 1:45; Hadley Union, Ohio Room; P33

Mattes, Katelyn; Demonic Mesopotamia; 11:00 - 12:20; Hadley Union, Allegheny Room 2

Matty, Robin; The Visitor Experience at the University Museum; 8:00 - 9:20; Hadley Union, Monongahela Room 1

McClellan, Lauren; The Invisible Wound: The Incident Rate and Treatment of Hearing Loss in Military Personnel; 8:00 - 9:20; Hadley Union, Monongahela Room 2

McGowan, Erin; GIS Analysis of Bathymetric Data and Accumulation Rates in Yellow Creek Lake; 12:30 – 1:20; Hadley Union, Ohio Room; P24

Miller, Breanne; Physical Activity Levels Among HPED Students; 12:30 - 1:45; Hadley Union, Ohio Room; P38

Mintmier, Breeanna; Cellulose particle size and crystallinity influence cellulase kinetics.; 12:30 - 1:45; Hadley Union, Ohio Room; P04

Moquette, Altagracia; Where Do We Go From Here? Preliminary Findings on Latino Student Attrition and Retention Rates; 11:00 - 12:20; Hadley Union, Monongahela Room 1

Mountain, Nicole; Investigating the Seasons: A New Method in Teaching Science; 12:30 - 1:45; Hadley Union, Ohio Room; P19

Muthler, Kelly; Honor Killings: A Defense of Limited Freedom; 8:00 - 9:20; Hadley Union, Susquehanna Room

New, Lee; Biannual Reproduction in Pennsylvania Stream Fishes; 12:30 - 1:45; Hadley Union, Ohio Room; -3; Ethanol preference in sexually deprived houseflies (*Musca domestica*); 12:30 - 1:45; Hadley Union, Ohio Room; P05

O'Hara, Daniel; Bootstraps and Planar Regression: an Algorithm to Identify Possible Faults Using Background Seismicity; 12:30 - 1:45; Hadley Union, Ohio Room; P13

Oberkofler, Daniel; The Effects of Power, Prestige and Performance on Salary in the National Hockey League; 8:00 - 9:20; Hadley Union, Allegheny Room 1

Ortega, Alyssa; Supporting the DREAM: An Analysis of Latino Student Perceptions of the DREAM Act; 11:00 - 12:20; Hadley Union, Monongahela Room 1

Owens, Andrew; Production of cellulase from *Trichoderma reesei* by solid-state fermentation on mixed waste paper.; 12:30 - 1:45; Hadley Union, Ohio Room; P37

Paine, Amy; Are All Women Emotional? A Portrayal of Women in Reality TV; 2:00 - 3:20; Hadley Union, Monongahela Room 1

Papadoplos, Alex; Skype vs AT&T and the Future of Telecommunications; 9:30 - 12:20; Hadley Union, Susquehanna Room

Peelman, Shandra; Linguistic Politics: Language in the Ukraine; 9:30 - 10:50; Hadley Union, Monongahela Room 1

Perry, Michael; Spatial Distribution of West Nile Virus in Pennsylvania; 12:30 - 1:45; Hadley Union, Ohio Room; P25

Quail, Alexander; The "Bullying Cycle"; 2:00 - 3:20; Hadley Union, Allegheny Room 2

Quinn, Adam; Correlating levels of salt and metal contamination in Beaver Run Reservoir to hydraulic fracturing of nearby Marcellus drill site locations; 12:30 - 1:45; Hadley Union, Ohio Room; P16

Ramos, Jovana; Qu Sabe la Mujer Sabia?: The Power of Knowledge in La Celestina and Donzella Teodor; 2:00 - 3:20; Hadley Union, Susquehanna Room

Reigh, Corey; Spatial Distribution of West Nile Virus in Pennsylvania; 12:30 - 1:45; Hadley Union, Ohio Room; P25

Reinaker, Nicole; Tracing Gothic Architectural Developments: An Iconographic Exploration of Chartres Cathedral's South Transept; 9:30 - 10:50; Hadley Union, Allegheny Room 2

Riffe, Joshua; The Effects of a Single Bout of Aerobic Exercise on Resting Energy Expenditure in Sedentary, Obese College-Aged Students; 9:30 - 10:50; Hadley Union, Monongahela Room 2

Ritchey, Rachelle; Skype vs AT&T and the Future of Telecommunications; 9:30 - 12:20; Hadley Union, Susquehanna Room

Roberts, Brant; Exploring music of the marimba/vibraphone duo; 9:30 - 10:10; Cogswell, Room 126

Rowland, Angela; The Combined Effects of Socioeconomic and Demographic Factors on State-Level Unemployment Rate Volatility; 8:00 - 9:20; Hadley Union, Allegheny Room 1

Ryther, Carly; Personality in Greek Life: 'Introvert, Extrovert, or Does it Really Matter'; 8:00 - 9:20; Hadley Union, Monongahela Room 1

Sabbagh, Hisham; English Language Acquisition in Saudi Schools; 12:30 - 1:45; Hadley Union, Ohio Room; P47

Scarnati, Theresa; How MELD Scores Affect the Survival Rate of Liver Transplant Patients; 8:00 - 9:20; Hadley Union, Monongahela Room 2

Scherer, Rachel; IUP ResLife Culture: The Community Assistant versus the Typical Student's Perspective.; 12:30 - 1:45; Hadley Union, Ohio Room

Scott, Julie; Use of DNA Barcoding to Identify Cryptic Species of Caterpillars; 12:30 - 1:45; Hadley Union, Ohio Room; P09

Scott, Susan; The Influence of High School Cliques; 2:00 - 3:20; Hadley Union, Allegheny Room 2

Seymour, Zachary; Educational Aspects of Undergraduate Research on Smartphone Application Development; 2:00 - 3:20; Hadley Union, Susquehanna Room

Shaba, Margaret; Production and Purification of *Mus musculus* Prolactin 7d1 Protein to Establish a Relation to Autism; 2:00 - 3:20; Hadley Union, Monongahela Room 2

Shaffer, Aaron; The Urban Drainage Problem: Effects of New Development and Redevelopment on Local Hydrology; 11:00 - 12:20; Hadley Union, Allegheny Room 1

Sharkey, Brian; Development of a GIS for the Western Pennsylvania Conservancy - Watersheds of the West Branch of the Susquehanna River; 12:30 – 1:20; Hadley Union, Ohio Room; P14

Silveira, Matthew; IUP Campus GIS Development; 12:30 - 1:45; Hadley Union, Ohio Room; P11

Silvis, Emily; Adaptation after-effects as a function of self-reported autistic-like traits: A study of typically developing individuals whilst viewing emotional faces; 2:00 - 3:20; Hadley Union, Monongahela Room 1

Sponsky, Christina; Perceptions Vs. Misconceptions: What are the Indiana University of Pennsylvania students' perceptions and beliefs regarding dietary supplements safety, efficacy, and regulation policies?; 9:30 - 10:50; Hadley Union, Monongahela Room 2

Stevens, Chloe; Sustainable Indiana; 12:30 - 1:45; Hadley Union, Ohio Room; P43
Stroman, Cassandra; From Head Lice to HIV: Medical Issues Plaguing America's Prisons; P41
Stutzman, Taylor; Disney; 2:00 - 3:20; Hadley Union, Allegheny Room 1
Sweeney, Lucas; The History and Origins of Satan; 11:00 - 12:20; Hadley Union, Allegheny Room 2
Taylor, Thomas; Educational Aspects of Undergraduate Research on Smartphone Application Development; 2:00 - 3:20; Hadley Union, Susquehanna Room
Tobin, Evan; IUP Campus GIS Development; 12:30 - 1:45; Hadley Union, Ohio Room; P11
Tokosh, Joseph; Living Preferences for Students after Graduation; 9:30 - 10:50; Hadley Union, Monongahela Room 1
Toland, Matthew; 3D Interpretation of Mass Transport Deposits on the East Scotian Rise, eastern Canada; 12:30 - 1:45; Hadley Union, Ohio Room; P12
Trefny, Andrew; Storm Water Runoff Trends: A Study Employing Green Space Initiatives to Analyze the Decline of Non-point Source Pollutants in Philadelphia; 11:00 - 12:20; Hadley Union, Allegheny 1
Troutman, Michele; Lithic Analysis: The Raw Materials Present in the Lithic Artifacts of the Johnston Site (36In2); 12:30 - 1:45; Hadley Union, Ohio Room; P39
Umunnakwe, Chioma; Ethiopia's Underdevelopment: Rising Beyond Missed Opportunities; 9:30 - 10:50; Hadley Union, Allegheny Room 1
Urban, Bryana; Sustainable Indiana; 12:30 - 1:45; Hadley Union, Ohio Room; P43
Vaiana, Anthony; Estimating the amount of total organic carbon in Devonian shales of the Appalachian Basin using wireline logs: a case study from eastern Kentucky.; 12:30 - 1:45; Hadley Union, Ohio Room; P17
Waddy, Kimberly; The Paradigm of Liberty: American Freedom and the Invitation to Struggle; 8:00 – 9:20; Hadley Union, Susquehanna Room
Wade, Amanda; Uganda: An African Leader in Development; 9:30 - 10:50; Hadley Union, Allegheny Room 1
Wagner, Amanda; Skype versus AT&T; 9:30 - 12:20; Hadley Union, Susquehanna Room
Ward, Rachel; Physical Activity Levels Among HPED Students; 12:30 - 1:45; Hadley Union, Ohio Room; P38
Wasko, J.; Civil War! Dissolution of the Self in Researching the War of the Rebellion in Contemporary Art; 9:30 - 10:50; Hadley Union, Allegheny Room 2
Watkins, William; Small-Scale Folding Related to Detachment Tectonics - Northern Snake Range, NV; 12:30 - 1:45; Hadley Union, Ohio Room; P23
West, Rebecca; A GIS Analysis of Unconventional Well Violations in Pennsylvania; 11:00 - 12:20; Hadley Union, Monongahela Room 2
White, Rachel; Skype vs AT&T and the Future of Telecommunications; 9:30 - 12:20; Hadley Union, Susquehanna Room
Whitmore, Sara; Analysis: Foreign Policy of Obama Administration 2008-2012; 8:00 - 9:20; Hadley Union, Susquehanna Room
Wright, Erin; Cultural Questions at the Johnston Site; 12:30 - 1:45; Hadley Union, Ohio Room; P44
Yan, Shi-Ting; Financial, Branding, and Service Strategies Play Vital Roles in Hospitality.; 12:30 - 1:45; Hadley Union, Ohio Room; P32
Yockey, Barbara; Disney; 2:00 - 3:20; Hadley Union, Allegheny Room 1
Yun, Wenjing; The Determinants of China's Economic Development; 9:30 - 10:50; Hadley Union, Allegheny Room 1
Zielinska-Thomas, Ewelina; Spatial Analysis of Non-point Nutrient Loading in a Watershed; 12:30 - 1:45; Hadley Union, Ohio Room; P18
Zupko, Thomas; Teaching English/Language Arts for the Digital Native; 2:00 - 3:20; Hadley Union, Susquehanna Room