

13th Annual Scholarship and Creative Arts Days



Session I 12:00-1:00 PM



Live Q&A sessions



Presentation video

Additional presentation materials (optional)



By Invitation Only (contact Panel moderator for invite)

FAPA-Music

Paper Presentation

Meeting #1

Panel Moderator(s): Dr. Gene Behrens

The Influence of Thematic Piano Improvisations on Perceived Imagery

20

Presenters: Emily Perry, Lauren Shakes, Clare Wescott

Mentor: Dr. Gene Behrens

What is Music? Exploring Perceptions of Music Among Different Majors

21

Presenters: Katie Nevins, Taylor Hood

Mentor: Dr. Gene Behrens

Developing Mirror Neurons through Imitative Musicking—A Case Study with a Child with Pre-Verbal Trauma

22

Presenters: Katie Nevins, Emily Perry

Mentor: Dr. Gene Behrens

Sociology and Anthropology

Paper Presentations

Meeting #2

Panel Moderator(s): Dr. Michelle Kozimor, Dr. Conrad Kanagy

It's a Wild World: Changes in the Status of Women Related to Neopaganism in Iceland

30

Presenters: Delaney Dammeyer

Mentor: Dr. Conrad Kanagy

The Good, the Bad, the Deviant: The Effects of Sex, Athletic Participation, Class Standing, and Deviant Tendencies on Student Perceptions of Deviance at Elizabethtown College

31

Presenters: Emalie Rell

Mentor: Dr. Michele Lee Kozimor

Additional information:



Modern Languages

Paper Presentations

Meeting #3

Panel Moderator(s): Dr. Montserrat Linares, Dr. Mahua Bhattacharya

Sustainable Entrepreneurship as an Outlet to the Formal Sector for Women in the Gambia and Senegal: a study of Culture, Business, the Environment, and the Empowerment of Women.

36

Presenters: Liuba Miranosava

Mentor: Dr. Vanessa Borilot

Life's Form and Formlessness: Translating Yayoi Kusama's Infinity Net

38

Presenters: Mika Thomas

Mentor: Dr. Mahua Bhattacharya

Computer Science

Presentations

Meeting #4

Panel Moderator(s): **Dr. Joseph Wunderlich, Dr. Peilong Li**



"6th Annual Year-end Architecture Presentations"

40

Presenters: Joseph Wunderlich, Hugh Brolly, Donato Grimaldi, Alec Miller, Devon Moravec, Anh Nguyen, Colton Shriner, Zachary Silfies

Mentors: Dr. Joseph Wunderlich
Dr. Patricia Likos Ricci



Monitoring Public Sentiment of NFL Draft Picks via Machine Learning Techniques

41

Presenters: Jonathan Wiseman

Mentor: Dr. Peilong Li



Oculus Rift Virtual Reality of Etown Campus in 1924 and Present, with Buildings Rendered in Revit

42

Presenters: Joseph Wunderlich

Mentors: Ms. Sarah Penniman,
Dr. Patricia Likos Ricci

Poster Session

Occupational Therapy

Meeting #5

Panel Moderator(s): **Dr. Nancy Carlson, Dr. Judy Ericksen**



Pediatric Brain Injury; Exploring Parent Perceptions of the Discharge Process

45

Presenters: Erin Doherty

Mentor: Dr. Erica Wentzel

Additional information :



Wheeled Mobility: The Impact of Physical Accessibility on Mental Health

46

Presenters: Hailey Alger

Mentor: Dr. Judy Ericksen

Additional information :



Occupational Performance of Refugees

48

Presenters: Abigail Whitehead

Mentor: Dr. Nancy Carlson



The Use of Yoga in Occupational Therapy for Neurologically Involved Clients

49

Presenters: Madison Tyrrell

Mentor: Dr. Terri Dennehy

Poster Session

Biology, Chemistry and Biochemistry

Meeting #6

Panel Moderator(s): **Dr. Anya Goldina, Dr. James MacKay**



Assessing the Effects of the Antidepressant Sertraline on Agonistic Behavior of the Subordinate Crayfish *Orconectes rusticus*

55

Presenters: Amal Ismail

Mentor: Dr. Anya Goldina

Additional information :



Anatomy in Art: Exploring the Connection Between Science and Art

56

Presenters: Rebecca Kruse, Aubrey Mitchell

Mentors: Dr. Anya Goldina, Ms. Carol Ouimet

Additional information :



Assessing Chemical Communication in the Invasive Crayfish *Orconectes rusticus*

57

Presenters: Elizabeth Lusavage

Mentor: Dr. Anya Goldina

Chemistry and Biochemistry



Luminescent Metal-Organic Frameworks: Zinc and Zirconium-based MOFs Doped with Emissive Polypyridyl Osmium Complexes

62

Presenters: Kaitlyn Mercado, Lucas Stehle

Mentors: Dr. Jeffrey Rood, Dr. Kristi Kneas

Additional information :



Emission Dependence on Guest Molecule Structure in Luminescent Metal-Organic Frameworks Doped with Polypyridyl Osmium Complexes

63

Presenters: Sarah Moyer

Mentors: Dr. Jeffrey Rood, Dr. Kristi Kneas



Detection of Mercury with a Rhodamine B Derivative Encapsulated Nanoparticle Incorporated into a Lateral Flow Assay

64

Presenters: Kaitlyn Jacoby

Mentor: Dr. Lauren Toote

Additional information :



Synthesis and Characterization of pH Sensitive Polymer Nanoparticles for Incorporation into a Lateral Flow Assay for Water Quality Testing

65

Presenters: Rachel Molino

Mentor: Dr. Lauren Toote

Additional information :



Detection of Lead(II) by Colorimetric Nanoparticles

66

Presenters: Michael Perzel

Mentor: Dr. Lauren Toote



Design of Novel PNA Nucleobases for Double-stranded RNA Recognition by Computational and Synthetic Approaches in a Senior Level Research Course

67













Presenters: Paul Andonie, Kaitlyn Jacoby, Michael Perzel, Sarah Moyer

Mentor: Dr. Thomas Hagan, Dr. James MacKay



Session II 1:00-2:00 PM



Honors in Education Symposium and SCAD Poster Sessions			Meeting #7
Education		Panel Moderator(s): Dr. Elizabeth Coyle, Dr. Kathryn Caprino	
	Supporting English Learners with Children's Picture Books		# 70
Presenters: Rebecca Wortmann, Caroline Piergiovanni		Mentor: Dr. Kathryn Caprino	
Additional information :			
	Implementing Waldorf- Inspired Practices in Early Childhood Public Education		# 71
Presenters: Celia Martone		Mentor: Dr. H. Elizabeth Coyle	
	Incorporating Movement-Based Activities through Picture Books in Early Childhood Classrooms		# 72
Presenters: Sara Lechner		Mentor: Dr. H. Elizabeth Coyle	
	The Miseducation of Black Women: Black Women and Their Contribution to Equitable Education		# 74
Presenters: Ilayna Brown		Mentor: Dr. Shannon Haley-Mize	
Paper Presentation		Meeting #8	
Religious Studies, Education and Business		Panel Moderator(s):Dr. Jeff Long, Dr. Peter Licona	
	The Buddhist Artifacts in the Puffenberger Collection		# 80
Presenters: Moh Mohammad		Mentors: Dr. Jeffery Long, Carol Ouimet	
Additional information :			
	An Examination of Science Education in Different Cultural Settings		# 81
Presenters: Rebecca Voler		Mentor: Dr. Peter Licona	
	An Examination of Science Education in Different Cultural Settings		# 82
Presenters: James Teal		Mentor: Dr. Emma Neuhauser	
Additional information :			



Themes in Italian Renaissance Art and Society



The Transitional Representation of Mary in Italian Renaissance Paintings

85

Presenters: Elizabeth Zonarich

Mentor: Dr. Patricia Likos Ricci

Additional information :



Presentation



Renditions of a Changing Environment in Lancaster County

88

Presenters: Tanner Simon

Mentor: Dr. Kristi Arnold

Additional information :



Occupational Therapy

Paper Presentation

Meeting #10

Panel Moderator(s):Dr. Terri Dennehy, Dr. Kerri Kample, Ms.Linda Macaulay



Investigating the Impact of College Stress and Utilization of Campus Wellness Services Through an Occupational Health Lens

90

Presenters: Hannah Paymer

Mentors: Dr. Terri Dennehy, Dr. Elizabeth Dalton



Technology for Function: Robots and More

91

Presenters: Melanie Schuller

Mentor: Dr. Terri Dennehy



Occupational Therapy (continued) “Elementary School Teachers’ Perception of Occupational Therapy in the Response to Intervention Model for Reading Delays”

92

Presenters: Sarah Guttman

Mentor: Dr. Kerri Hample

Additional information :




High Points and Low Points: Athlete Perspectives on Transitioning into a Wheelchair Rugby Team Member Role

93

Presenters: Sara Lingo

Mentor: Ms. Gina Fox

Psychology




Associations Between Sleep Quality and Stress among College Students


97

Presenters: Nakita Edwards

Mentor: Dr. Elizabeth Dalton

Additional information :






Mindset and the Naturalness Bias


98

Presenters: Anthony Gambino, Lydia Stone, Emily Lamison

Mentor: Dr. Michael Roy

Additional information :






Oral Menthol Preference Among Adolescent and Adult Sprague-Dawley Rats.

99


Presenters: Lauryn Mitchell, Lauren Kerr, Kaylee Kline

Mentor: Dr. Robert Wickham

Additional information :



Sociology and Anthropology




Down and Working in the Dumps: The Effects of Job Satisfaction and Work Stress on Depression

100

Presenters: Rachel Bickelman

Mentor: Dr. Michele Lee Kozimor

Additional information :





Session III

2:00-3:20 PM

Education

Education Panel I Paper Presentation

Meeting #12



Panel Moderator(s): Dr. Shannon Haley-Mize, Dr. Kathryn Caprino



Education is a Right, Not a Privilege: UDL in Social Studies Unit Planning

105

Presenters: Aubrey Mitchell

Mentor: Dr. Shannon Haley-Mize



The Effect of Sentence Diagramming Instruction on a Middle Level Learner's Composition

106

Presenters: Alyssa VanLenten

Mentor: Dr. Kathryn Caprino

Political Science and International Studies

Politics, Philosophy and Legal Studies

Meeting #13



Panel Moderator(s): Dr. Fletcher McClellan, Dr. Oya Dursun-Ozkanca



Professionalizing the Medical Marijuana Industry

110

Presenters: Abigail Evans

Mentor: Dr. E. Fletcher McClellan



Governmental Structure and Indigenous Social Policy: The Cases of the Lakota and Maori

111

Presenters: Caitlin Olivas

Mentor: Dr. E. Fletcher McClellan

Additional information :



National Self-Determination in Catalonia: A Study in the Practical Limitations on Theoretical Democratic Rights

112

Presenters: Ethan Waugh

Mentor: Dr. E. Fletcher McClellan

Additional information :



The Effects of Gun Control

113

Presenters: Ashlee Reick

Mentor: Dr. E. Fletcher McClellan

Additional information :



The Need of Occupational Therapy with the Palestinians: The Unseen Occupational Deprivation

114

Presenters: Nameer Kazzaz

Mentors: Dr. Oya Dursun-Ozkanca, Dr. Judy Ericksen



"America First" as a Foreign Policy: Multilateralism and Security Policy

116

Presenters: Alissa Stoneking

Mentors: Dr. Oya Dursun-Ozkanca, Dr. E. Fletcher McClellan

Business**Paper Presentation****Meeting #14**Panel Moderator(s): **Dr. Hossein Varamini, Dr. Petru Sandu**

120

**Transgenerational Entrepreneurship**

Presenters: Amber Swanick

Mentors: Dr. Petru Sandu, Mr. Dmitriy Krichevskiy

Additional information :

**An Analysis of the Indian Food Processing Industry**

121

Presenters: Leaslie Alejandres

Mentor: Dr. Hossein Varamini

**Using E-Commerce Mechanisms to Promote Economic Development in Nigeria**

122

Presenters: Laura Cardona

Mentor: Dr. Hossein Varamini

**Aerospace and Defense in Singapore**

123

Presenters: Zoe Goebel

Mentor: Dr. Hossein Varamini

**The Longevity of Spanish Tourism and Its Effects on Culture, Economy and Environment**

124

Presenters: Alexandra Kunkel

Mentor: Dr. Hossein Varamini

**An Analysis on Japan's Condition and Automobile Industry Outlook**

125

Presenters: Nicole Rodak

Mentor: Dr. Hossein Varamini

Poster Session**Engineering, Computer Science and Institutional Advancement****Meeting #16**Panel Moderator(s): **Dr. Sara Atwood****Computer Science****Cosmic: A Stellar 8-bit Computer Architecture**

140

Presenters: Kevin Carman, Clay Buxton

Mentor: Dr. Peilong Li

Additional information :

**Institutional Advancement****"Exploring the Implications of Virtual Reality in Elementary Learning Environments"**













141

Presenters: Celia Martone

Mentor: Mr. Marty Thomas Brumme

Additional information :



	Athletic Ice Bag Production Improvement	# 142
Presenters:	Olivia Beachley, Annie Novy, Isabella Panzica, Kyle Pienik	Mentor: Dr. Sara Atwood
	Sustainable Greenhouse	# 143
Presenters:	Andrew Brndjar, Madison Burnham, Chris Carr, Will Connolly, Kyla Strickler	Mentor: Dr. Sara Atwood
Additional information :	 	
	Waste Compaction Solution	# 144
Presenters:	Brendan Burke, Dallas Fleck, Henry Golden, Scott Nizolak, Dan Patterson	Mentor: Dr. Sara Atwood
	3D Printed Finger Prosthetic	# 145
Presenters:	Damon Edwards, Robert Pavlik, Elle Shatto, Travis Wilson	Mentor: Dr. Sara Atwood
Additional information :		
	Upcycling Electric Surrey Bike Assist Plastic via Thermal Compression	# 146
Presenters:	Spencer Fallon, Collin McGovern, Alberto Miguez, Tyler Spinello	Mentor: Dr. Sara Atwood
Additional information :		
	Upcycling Plastic via Thermal Compression	# 147
Presenters:	Thomas Giorgi, Grant Michal, Kendall Sargent, Lianne Uroda	Mentor: Dr. Sara Atwood
	Mailbox Alert System	# 148
Presenters:	Brandon Huey, Connor Martin, Curtis Reynolds	Mentor: Dr. Sara Atwood
Additional information :		



Session IV

3:20-4:40 PM



English

English Department Presentations

Meeting #18



Panel Moderator(s): Dr. Tara Moore and Ms. Erica Dolson

Presentations



Resources for Writing in the Workplace

160a

Presenters: Emma Danae Droz

Mentor: Ms. Erica Dolson

Additional information :



Resources for Writing in the Workplace

160b

Presenters: JayIn Maulfair

Mentor: Ms. Erica Dolson



Resources for Writing in the Workplace

160c

Presenters: Isabella Panzica

Mentor: Ms. Erica Dolson

Additional information :



The Moral Polarity of Women in Shakespeare's King Lear

161

Presenters: Elizabeth Gipe

Mentor: Dr. Louis Martin

English Honors in the Discipline



A Writer's Journey: The Process of Writing and Editing a Young Adult Novel

162

Presenters: Megan White

Mentors: Dr. Tara Moore, Dr. Erica Dolson

Additional information :



A Life with a View: Reflections on Stories, Art, & Identity

163

Presenters: Grace Gibson

Mentors: Dr. Tara Moore, Dr. Erica Dolson

Additional information :



The Natural, Sexual, and Spiritual in Modern American Literature

Panel Moderator(s): Dr. John Rohrkemper



There is Life and Death in Spring

164

Presenters: Morgan Kerrick

Mentor: Dr. John Rohrkemper

Additional information :


















The White Mulberry Tree of Tragedy: O Pioneers! and Its Tragic Precedents

165

Presenters: Elizabeth Gipe

Mentor: Dr. John Rohrkemper

Psychology		Psychology Honors in the Discipline Paper Presentations		Meeting #19	
		Panel Moderator(s): Dr. Jean Pretz, Dr. Robert Wickham			
	Clinical Reasoning and Intuition in Occupational Therapy Students				# 170
Presenters:	Hannah Leibensperger			Mentor: Dr. Jean Pretz	
Additional information :					
	Student Leadership and Decision Making				# 171
Presenters:	Lydia Stone			Mentor: Dr. Jean Pretz	
Residence Life		Community Living Poster		Meeting #20	
		Panel Moderator(s): Mr. Dominick Diloreto, Mr. Brian Helm			
	Student Directed Learning Communities				# 175
Presenters:	Catherine Amos, Kari Brown, Janelle Nolt			Mentor: Mr. Dominick Diloreto	
	Student Directed Learning Communities				# 176
Presenters:	Andrew Boeren, Lucas Stehle, Max Cojocar, Matthew Harnsberger			Mentor: Mr. Dominick Diloreto	
	Student Directed Learning Communities				# 177
Presenters:	Adam Bogobiri, Jessica Cox, Alejandro Chicas			Mentor: Mr. Dominick Diloreto	
Additional information :					
	Student Directed Learning Communities				# 178
Presenters:	Lucy Conrey, Kayla Wolf			Mentor: Mr. Dominick Diloreto	
	Student Directed Learning Communities				# 179
Presenters:	Tyler Dunbar, Reece Jones, Jonathan Thompson, Kelly Holdren			Mentor: Mr. Dominick Diloreto	
Additional information :					
	Student Directed Learning Communities				# 181
Presenters:	Samuel Gerstenbacher, Liam Coverdale, Christopher Myers, James Teal			Mentor: Mr. Dominick Diloreto	
	Student Directed Learning Communities				# 182
Presenters:	Sofia Gonda, Carly Patterson, Paige Phillips, Emma Romeo			Mentor: Mr. Dominick Diloreto	
Additional information :					
	Student Directed Learning Communities				# 183
Presenters:	Wendy Header, Kimberly Stratton, Megan MacNair			Mentor: Mr. Dominick Diloreto	

**Student Directed Learning Communities**

185

Presenters: Emily Perry, Julia Aleo, Erin Dart, Katie Nevins

Mentor: Mr. Dominick Diloreto

**Student Directed Learning Communities**

186

Presenters: Michael Rajnik, Joseph Sarich, Arley Shepherd, Andrew Fisher

Mentor: Mr. Dominick Diloreto

Additional information :

**Photography Exhibit (Online)****Communications****No Q & A Session****Etown Close-Up**

189

Presenters: Benjamin Brown, Logan Byas, TJ Daino, Tyler Dunbar, Christine Fox, Brandon Hackman, Tom Mahoney, Rachel Nelson, Cam Robbins, Dayne Ross, Richie Scott, Kilie Smith, Matt Strubinger, Amber Swanick, Billy Utzinger, Matthew Van Heesewijk, Kevin Wenger, Owen Yake

Mentor: Dr. Katherine Hughes

Additional information :

**Spirit of E-town (Online exhibit)**

190

Presenters: Ian Bowler, Ezekiel Ciafre, Rachel Freed, Duncan George, Meghan Kenney, Derek Manning, Kimberly, Morris Amy Reynolds, Chris Reynolds, Curtis Reynolds, Michael Snyder, Kaileigh Tinnin, Kory Trout, Hannah Weaver, Nicholas Wnuk

Mentor: Dr. Katherine Hughes

Additional information :

**Putting Historic Marietta on The Map: This Place Matters! The National Trust for Historic Preservation Honors Program****Poster Session****No Q&A session****"Irishtown Mehaffey Family:Colonel John W. Clark (1819-1865) Residence (1853)"**

191

Presenters: Kyle Cappucci

Mentor: Mr. Jean-Paul Benowitz

Additional information :

**"Moraviantown Cassel Family East Market Street: Henry Cassel (1776-1864) Residence (1814)"**

192

Presenters: Zoe Williams

Mentor: Mr. Jean-Paul Benowitz

Additional information :

**Abraham N. Cassel (1810-1895) Residence (1852)**

193

Presenters: Samantha Phillips

Mentor: Mr. Jean-Paul Benowitz

Additional information :





George Lincoln Cassel, M.D. (1861-1932) Residence (1855)

194

Presenters: Sriya Vontela

Mentor: Mr. Jean-Paul Benowitz

Additional information :



U.S. Congressman Henry Burd Cassel (1855-1926) Residence (1878)

195

Presenters: Tyler Gamble

Mentor: Mr. Jean-Paul Benowitz

Additional information :



"Moraviantown Spangler & Rich Families East Fairview Avenue Barr Spangler (1822-1922) Residence (1861)"

196

Presenters: Ezekiel Ciafre

Mentor: Mr. Jean-Paul Benowitz

Additional information :



John W. Rich (1836-1885) Residence (1873)

197

Presenters: Giselle Taylor

Mentor: Mr. Jean-Paul Benowitz

Additional information :



Charles S. Spangler (1857-1926) Residence (1893)

198

Presenters: Eric Schubert

Mentor: Mr. Jean-Paul Benowitz

Additional information :

