



Welcome to Elizabethtown College's 10th Annual

Scholarship and Creative Arts Days!

Real-world learning is one of the hallmarks of the Elizabethtown College experience. Students who conduct original research, create artistic expressions and discover new perspectives learn more deeply and gain real-world skills. This year, SCAD features some of the most outstanding work of our students from 2016-2017. As a result of their hard work and superb mentoring by faculty advisors, these students are becoming a bigger part of the world—contributing fresh ideas and acquiring experiences that will help them build their careers. We congratulate and recognize our scholars for their outstanding efforts that have culminated with their participation in this prestigious student conference.

We are grateful to the Scholarship and Creative Arts Days committee and the dozens of faculty mentors who have made this scholarly celebration possible. By fostering the College's commitment to undergraduate research, these members of our community have created this remarkable forum for sharing scholarship and creative thinking.

Carl J. Strikwerda, President
Elizabeth A. Rider, Senior Vice President for Academic Affairs and
Dean of Faculty

Monday, April 24, 2017

- 30th-Annual Juried Student Art Show—5:00 p.m. Lyet Gallery in Leffler Chapel and Performance Center
- Occupational Therapy Graduate Research Symposium—5:00 p.m. Masters Atrium and Gibble Auditorium in the Master Center
- Showcase Music Recital—7:30 p.m. Musser Auditorium in Leffler Chapel



Tuesday, April 25, 2017

Showcase of Scholarship Presentations 8:00 a.m. to 5:10 p.m.

Presentations, panel discussions, posters, portfolios, exhibits in the lobby and lecture rooms of James B. Hoover Center for Business, Leffler Chapel, Master Center Atrium and lecture rooms, Gibble Auditorium in Masters Center, Winters Alcove in High Library, and Track Infield.



Presentation of Anna Carper Excellence in Library Research Award 11:00 a.m.



Keynote Event:

Alumni's Reflection on the Value of Research

Keynote Moderator: Dr. Kyle Kopko'05

11:00 a.m. to noon

Musser Auditorium, Leffler Chapel



Solar Car Race

30th Annual Juried Student Art Show

Lyet Gallery at Leffler Chapel and Performance Center

Monday, April 24, 5:00 p.m.

Monday 5:00 p.m.

30th Juried Art Show

Kristina Worobey

#M1

Presenters:

Noah Abbe, Maria Anderson, Shane Bahn, Conrad Bourdeau, Kyle Brodeur, Victoria Bueti, Esther Cargill, Muntabir Hasan Choudury, Renee Ciardullo, Ashley Gibson, Alyssa Ginder, Georgia Grimm, Kristin Halliday, Muntabir Hasan Choudury, Mattie Joyner, Kelly Klendienst, Megan McMurdy, Taylor Miles, Erin Morgan, Kearney Nevills, Olivia Powers, Christina Rupp, Shelby Simon, Cooper Seigel, Samantha Shotzberger, Mika Thomas, Adam Way, Ethan Weber, Gabi Weisfeild,

Mentors:
Kristi Arnold
Jeff Bye
Dan Burns
Linda Eberly
Milt Friedly
Jeff Geib
Katherine Hughes

Opening Reception: 30th Annual Student Art Show in Lyet Gallery April 4, 2017

The opening reception for the 30th Annual Juried Student Art Show took place Thursday, April 4, 2017, in Lyet Gallery. Juror Ann DeLaurentis, a fine artist from Lancaster, Pennsylvania, selected works from multiple categories. Awards sponsored by Gary Segal were announced during the reception. The exhibit runs through Sunday, April 27, 2017.



Photos from Art Show 2016











Occupational Therapy Graduate Research Symposium 2017 Expanding Knowledge: Using Research to Enhance Lives

Masters Center

5:00 PM-6:00 PM Reception and Keynote

Masters Atrium and Gibble Auditorium

6:00 PM- 9:00 PM Presentations, Posters

Posters		Esbenshade 373
6:00- 7:30PM	The BBC Sensory Scales: An Innovative Approach to Mea Patterns Among Pediatric Populations	suring Sensory #M2a
Presenters:	Katelyn Guilfoy, B.S., MOTS; Mikayla Kemmerly, B.S., MOTS; Carly, Mutter, B.S., MOTS	Steadman, Ph.D., OTR/L
7:30-9:00 PM	Discovering the Impact of Sensory Processing Disorder Cl Family Routines	haracteristics on # M2b
Presenters:	Audrey Barrett, B.S., MOTS; Allison Doughton, B.S., MOTS; Rebecca Roth, B.S., MOTS	Mentor: Nancy Carlson- Steadman, Ph.D., OTR/L
Posters		Esbenshade 362
6:00-7:30 PM	Exploring an Expert Occupational Therapist's Clinical Reas Trauma/Attachment and Sensory Processing	soning in Pediatric #M2c
Presenters:	Adriana Bertolino, B.S., MOTS Shannon Deck, B.S., MOTS Kathleen Wilkinson, B.S., MOTS	Mentor: Christine Achenbach, M.Ed., OTR/L
7:30-9:00 PM	Beyond Picky Eating: What do Parents Think?	#M2d
Presenters:	Rachel Engelhardt, B.S., MOTS; Markia Johnson, B.S., MOTS; Angela Meyers, B.S., MOTS	Mentor:Kerri Hample, OTD, OTR/L
Posters		Esbenshade 360
6:50-7:15 PM	Development of Real-Time Motion Capture Technology for Rehabilitation: A Clinical Perspective	Upper Extremity # M2e
Presenters:	Laiken McCleaf, B.S., MOTS; Jenna Nguyen, B.S., MOTS; Dana Robidoux, B.S., MOTS	Mentor: Daniel Panchik, D.Sc., OTR/L; Kurt DeGoede, Ph.D.
6:30- 8:00PM	Effectiveness of Advanced Pneumatic Compression Device A Systematic Review	
Presenters:	Ashley Cox, B.S., MOTS; Jessica Hornberger, B.S., MOTS; Siena Oropollo, B.S., MOTS	Mentor: Daniel Panchik, D.Sc., OTR/L
7:30-9:00 PM	A Needs Assessment of Home Modification Services in La	
Presenters:	Stephanie Antonik, B.S., MOTS Jacalyn Hikes, B.S., MOTS Sarah Inglis, B.S., MOTS	Mentors:Linda Leimbach, Sc.D., OTR/L; Kristin Hall, M.S., OTR/L; Tamera Keiter Humbert, D.Ed., OTR/L

P	resentatior	ns Esbenshade			Gibble
	6:00-6:25	Occupation-Based Coaching for Commercial Truck Driv	vers:	A Pilot Study	#M2h
	PM	LI DIL DO MOTO E ILO LEO MOTO D			. 5 "
	Presenters:	Jaime Deisher, B.S., MOTS; Emily Good, B.S., MOTS; Racl Sassaman, B.S., MOTS	hel	Mentor: Ann M M.S., OTR/L	arie Potter,
-	6:30-6:55	Developing a Learner-Centered Approach to Interprofes	seion:		#M2i
	PM	within an Occupational Therapy Curriculum	3310116	ar Education	,, <u>-</u> .
	Presenters:	Nicole Brackman, B.S., MOTS; Casey Farrell, B.S., MOTS;		Mentor: Angela	Salvadia,
		Jenny Laliberte, B.S., MOTS		Ed.D., OTR/L	
	7:00-7:25	Occupational Therapists' Perspectives on Home-Based	Inter	ventions	#M2j
	PM	Surrounding Obesity: A Pilot Study			
	Presenters:	Molly Hurley, B.S., MOTS; Erin Steingraber, B.S., MOTS; K	ayla		Dennehy,
-	7:30-7:55	Zwicharowski, B.S., MOTS		D.Ed., OTR/L	#M2k
	7.30-7.33 PM	Decision Making in the Occupational Therapy Evaluatio Grounded Theory Study	n Pro	cess: A	#IVIZK
	Presenters:	Adelyn Enders, B.S., MOTS; Elise Starkey, B.S., MOTS;	Ment	or: Judy B. Erick	sen PhD
	r rocomoro.	Megan Ziff, B.S., MOTS	OTR		.0011, 1 11.2.,
-	8:00-8:25	Psychosocial Demands of Caregiving for Individuals wi	ith Pa	rkinson's Disea	se: #M2l
	PM	Occupational Therapy's Role			
	Presenters:	Nicole Corcoran, B.S., MOTS; Megan Farrell, B.S.,	Ment		
-	8:30-8:55	MOTS; Sara Fronheiser, B.S., MOTS		Dennehy, D.Ed.	
	0:30-0:33 PM	Interoception: Implementing an Interoception Protocol Autism Spectrum Disorder	with	Children with	#M2m
	Presenters:	Adam Amspacher, B.S., MOTS; Elisabeth Niehaus, B.S.,	Ment	or:Kerri Hample	OTD
	i iosontois.	MOTS; Alyssa Rea, B.S., MOTS		L;Kelly Mahler,	
P	resentatio			<u> </u>	E 270
	6:00-6:25	Decision Making in the Occupational Therapy Evaluatio	n Pro	cess: A	#M2o
	6:00-6:25 PM	Grounded Theory Study		cess: A	#M2o
		Grounded Theory Study Adelyn Enders, B.S., MOTS; Elise Starkey, B.S., MOTS; Me		Mentor: Judy E	
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Monday, April 24th, 7:30 p.m. Leffler Chapel

Aire of the Falconer

Catherine McMichael (b. 1954)

Flute-Tastic Four Michaiah Hook, Emily Perry, Laura Slaybagh, Sam Fellner

"Sehnsucht"

Fanny Mendelssohn Hensel (1805-1847)

Celia Grove, soprano Dr. Justin Badgerow, piano

Pastorale No. 22 in F Major, BWV 590

J. S. Bach (1685-1750)

Justin Pechulis, organ

Sonata No. 4, op. 29

Sergei Prokofiev (1891-1953)

II. Andante assai

Drei Gladkowski, piano

Piano Trio No. 2, op. 26 II. Largo Antonin Dvořák (1841-1904)

Moutarde au Miel Trio Jennifer Noyd, cello; Julie Pham, violin; Steven Roldan, piano

Sonnets or monologues by William Shakespeare, performed by:

Katherine Campbell Emily Leister Amber Mangabat Lizzie Miller Tyler Rossi Capriccio No. 2 Felix Mendelssohn, arr. Lang (1809-1847)

Etown Clarinet Quartet
Delaney Klepper, Prof. Faith Shiffer, Samantha Fellner, Tamantha
Drexel

Symphonie Espagnol in D Minor, op. 21 Edouard Lalo (1823-1892)

IV. Andante

Emily Derstine, violin Justin Pechulis, piano

"Pa...pa...pa..." from *Die Zauberflöte* Wolfgang Amadeus Mozart (1756-1791)

Alyssa Schott, soprano A.J. Gaudreau, baritone Dr. Justin Badgerow, piano

Faculty mentors: Dr. Justin Badgerow, Anthony Ciucci, Dr. Anne Gross, Stephanie McCullough, Dr. Paula Nelson, Debra Ronning, Faith Shiffer, Dr. Michael Swanson

Please refrain from texting, computer usage, or flash and video photography during this performance.



Tuesday, April 25, 2017 Showcase of Scholarship Presentations

Presentations, panel discussions, posters, portfolios, exhibits: Hoover Lobby and lecture rooms, Leffler Chapel, Masters Atrium, Gibble Auditorium in Masters Center, Winters Alcove in High Library, Track Infield.

Session I 8:00 a.m. to 9:20 a.m.

- Honors in Education Symposium Session 1
- Social Work Honors Presentations
- Occupational Therapy
- Business
- Interfaith Leadership Studies and Religious Studies
- Sociology and Anthropology
- Biology-Honors in the Discipline
- Political Science Research Methods Survey Results
- Psychology
- Communications
- Chemistry
- History

Session II 9:30 a.m. to 10:50 a.m.

- Honors in Education Symposium Session 2
- Social Work—Honors in the Discipline
- Engineering
- Business—Investment Climate in International Business
- Religious Studies
- Biology
- Mathematics
- Music Therapy
- Applied Business Research
- Politics, Philosophy and Legal Studies Panel 1
- Realization and Signification: Music, Gender, Religion and Culture

Keynote Event: Alumni Discussion Panel 11:00 a.m to 12:00 p.m.

Musser Auditorium, Leffler Chapel

Lunch Break 12:00 p.m. to 1:00 p.m.

Solar-Powered Electric Racers, Track Infield



Session III 1:00 p.m. to 3:00 p.m.

- •Honors in Education Symposium Session 3
- Communications
- Family History in a Multicultural America
- Animation 211
- Sociology and Anthropology
- HOPES Initiative Think Tank
- •Modern Languages—Japanese Senior Theses
- •French Business, Biodiversity and Culture
- Politics, Philosophy and Legal Studies Panel 2
- •Politics, Philosophy and Legal Studies Panel 3
- Cultural Readings of American Short Stories: Murder, Magical Realism, and the Vietnam War
- Music Therapy Research
- Occupational Therapy
- Psychology
- •Honors
- Brontes and Vampires

Session IV 3:10 p.m. to 5:10 p.m.

- •Honors in Education Symposium Session 4
- Mathematical Sciences
- History of SCAD: 2007-2017
- Computer Science
- English
- Sociology and Anthropology
- •Modern Languages—German Language and Literature
- •Music Therapy Research
- Music
- Engineering
- Call to Lead



Lydia Dearie graduated from Elizabethtown College in May 2016. She earned a bachelor's degree in business administration with a management concentration and completed a minor in history. She is working through AmeriCorps as a Literacy Lab Pre-K tutor at Curtis Bay Elementary in Baltimore, Maryland. In fall 2017, Dearie will be the lead teacher of a primary level classroom at Ava Wanas Montessori in Carroll County, Maryland. While at Elizabethtown, Dearie participated in soccer, track and cross country and worked for the History Department, Business Department, Social Enterprise Institute and Learning Services.

Mila Henry is a New York-based pianist and music director who specializes in music theater projects. Lauded for her "sublime" playing (Feast of Music) and heralding orchestral scores of "incredible range and color" (OperaPulse), Henry is an integral member of the contemporary opera community, frequently collaborating with producers Beth Morrison Projects, HERE and their PROTOTYPE festival, as well as American Opera Projects, American Lyric Theater and OPERA America. Her versatility ranges from assisting on productions at Lincoln Center and the Brooklyn Academy of Music to performing at the Isabella Stewart Gardner Museum and the Library of Congress. She bachelor's degree in music from Elizabethtown in 2006 and her master's degree in music—accompanying from the Manhattan School of Music in 2008. www.milahenry.com.





Sarah Lanphier, founder and CEO of Nuts About Granola, graduated in 2009 with a bachelor's degree in business administration with a concentration in entrepreneurship from Elizabethtown College. She founded Nuts About Granola in conjunction with her business classes. Nuts About Granola-branded products have been featured on the Rachael Ray Show, in Emmy Awards gift bags, in Better Homes and Gardens and, most recently, she has partnered with the Martha Stewart Café to produce an exclusive line for their stores. Crafted, Nuts About Granola's manufacturing and development division, works with companies ranging from startups to billion dollar corporations to develop, test and launch new innovative concepts into the marketplace.

Amita Mehta is vice president of administration at Prudential Financial. She serves in a dual capacity as senior program manager and executive advisor to the U.S. Service Council. As senior program manager, she supports the chief operating officer in defining and managing a wide array of initiatives for the Individual Life Insurance Service & Operations organization. As executive advisor to the U.S. Service Council, Mehta's role is critical in employing a single lens onto overarching U.S. business priorities to shape service and operations strategy.



Jennifer Stanford is a 1999 graduate from Elizabethtown College, where she majored in biology and engaged in undergraduate research under the mentorship of Jane Cavender. Following her time at E-town, Stanford earned her doctorate at Harvard University, where she studied cell cycle regulation using Xenopus as a model system in the lab of Joan Ruderman. Currently, Stanford is an assistant professor of biology and co-director of the Center for the Advancement of STEM Teaching and Learning Excellence at Drexel University. Her research is focused on evaluating and improving approaches to teach STEM content in higher education environments to promote student learning, engagement in STEM courses and STEM student retention. Her current work focuses on evaluating approaches to

increase student access to undergraduate research opportunities, incorporating evidence-based thinking into diverse learning environments and developing practical training opportunities to support STEM student professional development.

Alumni's Reflections on the Values of Research

Marking the 10th anniversary of Scholarship and Creative Arts Days (SCAD) -- and for the first time in SCAD history - the SCAD committee is pleased to announce that five alumni are coming back to Elizabethtown College, a place they once called home, to share their experiences and success stories with fellow Blue Jays. The five panelists, with diverse backgrounds were nominated by faculty and staff members and SCAD committee members based on their significant accomplishments in the areas of entrepreneurship, graduate studies, interdisciplinary service and private-sector institutions. Moderated by Kyle Kopko, assistant dean for academic achievement and engagement, the Keynote Panel will center on how the experience of engaging in supervised undergraduate research and creative work, allowed our alumni to foster professional growth for future scholarly engagement, professional career and/or graduate education. During an Q&A, the panel will shed light on what it takes to succeed in their discipline or what is entailed in doing research in their field. Please join this historical SCAD keynote event to learn and be inspired by a series of insightful discussions!

Keynote Event Leffler Chapel, 11:00 a.m.

Kyle C. Kopko '05 is director of the Honors and Pre-Law Programs, and assistant professor of political science at Elizabethtown College. He regularly teaches courses on American politics, constitutional law, and judicial behavior. He is the co-author of the book, "The VP Advantage: How Running

Mates Influence Home State Voting in Presidential Elections" (Manchester University Press). His research has been featured in the Wall Street Journal, The Washington Post, The New York Times, the National Law Journal, C-SPAN and Fox News Channel.



10th Annual Scholarship and Creative Arts Days



Session I 8:00 AM-9:30 AM

	Honors in Education Symposiur	n
Education	Poster	 N-127
): Dr. Rachel Finley-Bowman
8:00 AM	Junior Honors Candidates	# 1
Presenter:	Miranda Clash, Gillian Englebrecht, Jennifer Lloyd,	Mentor: Dr. H. Elizabeth
	Cody Miller, Emily Nolte, Kendra Strickler	Coyle
	Social Work HID presentations	
Social Work		H-110
0.00 414		nel Moderator(s): Susan Mapp ing a Support Group # 6
8:00 AM	Coping with Anxiety and Depression: Does Attend Help Patients and Caregivers Cope with a Cancer I	
Presenter:	Casey Heinbaugh	Mentor: Dr. Susan Mapp
8:40 AM	Redefining Justice: Restorative Practices Within the School District	ne Lancaster Mennonite # 7
Presenter:	Zoie Martin	Mentor: Dr. Susan Mapp
Occupationa		H-114
8:00 AM	The Role of Occupational Therapy in Developing a	
	Christian Church Ministries for Adults and Children	n with
	Intellectual/Developmental Disabilities	
Presenter:		As. Deborah Waltermire-Burton
8:20 AM	Artificial Colors and Autism	# 12
Presenter:	Kelly Kleindienst	Mentor: Dr. Kerrie Hample
9:00 AM	Facilitating Participation of Children with Down Sy Classes: A Parent's Perspective	ndrome in Dance # 13
Presenter:	Alyssa Frankenfield	Mentor: Dr. Kerrie Hample
Business	Paper Presentations	H-211
8:00 AM	The Relationship Between Index Futures and Stock	k Market's Performance # 16
Presenter:		Mentor: Dr. Emma Neuhauser
8:20 AM	Impact Investing as a Way to Solve Social Problem	ns # 17
Presenter:	Madison McCall	Mentor: Dr. Hossein Varamini
8:40 AM	Rechorded: Creating an Interactive, Crowdsourced	d Song Database # 18
Presenter:	Tyler Latshaw	Mentor: Dr. Kristen Waughen
9:00 AM	A Small Hair Salon Gets a Technological Makeover	# 19







	Interfaith Leadership Studies and R	eligious Studies
Interfaith Lea	adership Studies	H-212
		anel Moderator(s): Dr. Michael Long
8:00 AM	International Interfaith Education	# 20
Presenter:	Luke Mackey	Mentor: The Rev. Tracy Sadd
8:20 AM	Immigration and Interfaith on the Ground	# 21
Presenter:	Pareesa Zaman	Mentor: The Rev. Tracy Sadd
9:00 AM	Interpretations of Zion in Deutero-Isaiah	# 22
Presenter:	Morgan Smith	Mentor: Dr. Christina Bucher
	Biology Panel	
Biology		H-213 Panel Moderator(s): Dr. Jodi Yorty
8:00 AM	The Effect of Oncogene Expression on CBR	
0.00 AW	in Culture	2 Agonist Treatment of Ochs # 20
Presenters:	Anushka Katikaneni, Kyle Brodeur	Mentor: Dr. Jane Cavender
1 Tosomors.	Biology - Honors in Disci	
Biology		H-213
0,		Panel Moderator(s): Dr. Jodi Yorty
8:20 AM	Investigating the Connection Between Apop	
	Induced Loss of Splenic Dendritic Cells in N	<i>f</i> lice
Presenter:	Morgan Chambers	Mentor: Dr. Jodi Yorty
8:40 AM	Inquiry Based Activities for Teaching About	Invasive Species in Grades # 28
	Seven and Eight	
Presenter:	Carly Egberts Mentors	s: Dr. Anya Goldina, Ms Wendy Martin
PPLS	Political Science Research Methods	
PPLS	Panel Mod	H-214 derator(s): Dr. April Kelly-Woessner
8:00 AM	Research Methods Student Survey Results:	
0.0071111	Tolerance, and Ideology	" 32
Presenters:	John Koons, Chris Jordan, Shannon Maquire,	Mentor: Dr. April Kelly-Woessner
	Brendan Bevel, Kyle Shaeffer	д д
8:20 AM	Research Methods Student Survey Results:	The Trump Effect # 33
Presenters:	Jamie Lees, Kyle Robinson, Jovanni Diaz	Mentor: Dr. April Kelly-Woessner
8:40 AM	Research Methods Student Survey Results:	
	Experience	•
Presenters:	Marc Unger, Stinar Braden, Ashley	Mentor: Dr. April Kelly-Woessner
	Shellenberger	, ,
9:00 AM	Research Methods Student Survey Results:	
Presenters:	Amanda Hafler, Cameron Dorr, Paige Oustrich	
	Catherine Canfield, Jagger McFarland, Kayla G	
	er for Anabaptist and Pietist Studies P	
8:40 AM	Educating For Service: The Church of the B	rethren and Nigerian Politics, # 38
	1950s-1960s	



Presenter:

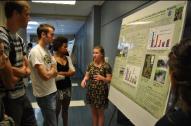




Mentor: Dr. Steven Nolt

Emily Wieder

Education	Paper Prese	entation	H-215
9:00 AM	What Future Teachers Don't Know		# 40
Presenters:	Angela Wesneski, Katey Mowery	Mentor: Dr. Carroll Ty	/minski
	nd Biochemistry Poste		trium
8:00 AM	DFT Calculations on Alanine - An	Assessment on Methods	# 41
Presenter:	Ryan Thomas	Mentor: Dr. Gary Ho	offman
8:00 AM	Synthesis of (2E,4E)-N-isobutyIdo	deca-2,4-dienamide, an Alkamide	# 42
	Produced in Ecinacea Species		
Presenter:	Alexandra Plowman	Mentor: Dr. James M	
8:00 AM		substitued Oxazole Nucleobase for	# 43
		rick A-U Base Pairs in Double Stranded	
	Rna		.,
Presenter:	Holly Sofka	Mentor: Dr. James M	
8:00 AM	•	quence Selective Recognition of the C-C	# 44
5 .	Base Pair in Dsrna		17
Presenter:	Brian Lupold	Mentor: Dr. James M	· · · · <u>· · · · · · · · · · · · · · · </u>
8:00 AM		f Dapoxyl Sulfonic Acid Analogues for	# 45
Б	Use in Aqueous Phase Luminesco	J .	17
Presenter:	Christopher Ryan	Mentors: Dr. James MacKay, Dr. Kristi	
8:00 AM		Signaling Molecules Produced by	# 46
Dragantar	Hermetia Illucens Larvae	Mantara Dr. Jaffray Dood Dr. Krist	Vacco
Presenter:	Tyler Butkus	Mentors: Dr. Jeffrey Rood Dr. Krist	
8:00 AM	Development of Luminescent Met Luminescence-Based Sensing	ai-Organic Frameworks for	# 47
Drocontor	•	Montara Dr. Laffray Dood Dr. Kristi	Vnooc
Presenter: 8:00 AM	Ricky Castro	Mentors: Dr. Jeffrey Rood, Dr. Kristi exes Into Metal-Organic Frameworks for	
8:00 AW	Use as Luminescence-Based Sen		# 48
Drocontor			Vnooc
Presenter: 8:00 AM	Jacob Lenkiewicz	Mentors: Dr. Jeffrey Rood, Dr. Kristi eworks Containing Osmium Carbonyl	# 49
0.00 AW	Metal Complexes: Framework Str		# 47
	Photophysical Properties	ucture and Solvent Dependent	
Presenter:	Kayla Hess	Mentors: Dr. Jeffrey Rood, Dr. Kristi	Knoas
	d Anthropology Poste		
8:00 AM	#Trending: A Content Analysis of		# 60
0.0071111	Urbanicity	Tronding ridsmags on Times by	" 00
Presenters:	Ashley Hullihan, Breanne Bentz	Mentor: Dr. Michele Lee Kozimo	r-Kina
8:00 AM		ess and Altruism on General Happiness	
Presenter:	Anh Bui	Mentor: Dr. Michele Lee Kozimo	
Communicat			
8:00 AM	What's in a Name? The Gap Between		# 70
	Interpretations of Common Comm		
Presenters:	Abbie Erickson, Jake Deacon	Mentor: Dr. Tamara	Gillis



FAPA	Posters	Masters Atri	um
8:00 AM	Case Study of Early Childhood Trauma: Music Thera Promote Child Regulation	py Strategies That #	[#] 75
Presenter:	Bethany Wentling	Mentor: Dr. Gene Behrei	ns
8:00 AM	Differences in Identifying Accuracy of Emotions Who Definite Versus Indefinite-Pitched Instruments	en Performed on	#76
Presenters:	Cody Thompson, Madison Button, Ashley Doron, Sarah McCollum, Zoe Robinson, Bethany Wentling	Mentor: Dr. Gene Behrei	ns
8:00 AM	Relationships Between Personality Traits and Choic Instruments for College-Aged Students	e of Rhythm #	‡ 77
Presenters:	Jennifer Messner, Andrei Gladkowski, Lydia Anthony, Alyssa Schott, Samantha Wasson	Mentor: Dr. Gene Behrei	ns
8:00 AM	Status of Music Therapists' Involvement in Medical I	Research #	78
Presenter:	Andrei Gladkowski	Mentor: Dr. Gene Behrei	ns
8:00 AM	Survey of Early Music Programs for Children with Do Status and Benefits	own Syndrome: #	[‡] 79
Presenter:	Ashley Doron	Mentor: Dr. Gene Behrei	ns

2016 Anna Carper Award



Session II 9:30 AM-10:50 AM

	Honors in Education Symposium
Education	Paper Presentation N-106
9:30 AM	Panel Moderator(s): Dr. Rachel Finley-Bowman Ancient Athenian Education in Modern Social Studies Curriculum # 101
Presenter:	Kayla Robinson Mentor:Dr. Rachel Finley-Bowman Honors in Education Symposium –
	Senior Honors Candidates Thesis Presentations
Education	Paper Presentation N-106
	Panel Moderator(s): Dr. Rachel Finley-Bowman
10:10 AM	From Paper to Practice: An Analysis of the Political and Cultural # 102
	Development of Italian Inclusive Education
Presenter:	Sarah Fuller Mentor: Dr. Elizabeth Coyle
0 : - \\\ -	Social Work HID presentations
Social Work	H-110 Panel Moderator(s): Dr. Susan Map p
9:30 AM	An Analysis Of Housing First-Informed Policy: The HEARTH Act # 106
Presenter:	Kendra Smith Mentor: Dr. Susan Mapp
10:10 AM	The Disparity Of Hispanic And African American Families in Lancaster # 107
	County Children and Youth Agency
Presenter:	Katelyn Trupe Mentor: Dr. Susan Mapp
	HOPES Initiative Think Tank
Interdisciplin	
9:30 AM	Hopes Initiative Think Tank # 113
Presenters:	Zoe Robinson, Rita Eisner, Brenna McNamee, Mentors: Dr. Peggy McFarland,
	Maddie Rutherford, Allie Vaccaro Dr. Judy Ericksen
Business	Investment Climate in International Business H-211
Business	Panel Moderator(s): Dr. Hossein Varamin i
9:30 AM	Foreign Investment in Steel And Metal Processing Industry in Bosnia- # 116
	Herzegovina
Presenter:	Catherine Hughes Mentor: Dr. Hossein Varamini
9:50 AM	Software Development in Argentina: A Look at a Growing Industry # 117
Presenter:	Dylan Warner Mentor: Dr. Hossein Varamini
10:10 AM	The Investment Climate of The Auto Manufacturing Industry in Mexico # 118
Presenter:	Natalie Nye Mentor: Dr. Hossein Varamini
10:30 AM	The Investment Climate of the Diamond Mining Industry in the # 119
	Democratic Republic of the Congo
Presenter:	Rachel Craft Mentor: Dr. Hossein Varamini
Deligious Stu	Religious Studies Panel H-212
Religious Stu	Panel Moderator(s): Dr. Michael Long
9:30 AM	Can Rich Christians and Poor Christians Be Equally Blessed and # 120
	Happy? Turning to the Lukan Beatitudes to Understand Happiness
Presenter:	Morgan King Mentor: Dr. Christina Bucher
9:50 AM	King and the Klan: Protestant America in the Mid-20th Century # 121
Presenter:	Payton Wagmeister Mentor: Dr. Richard Newton
10:10 AM	Reevaluating Race and Religious Heritage at Elizabethtown # 122
Drocontor	College Amanda Robbins Mentor: Dr. Christina Bucher
Presenter:	Amanda Robbins Mentor: Dr. Christina Bucher

	Applied Business Research
Business	H-213
	Panel Moderator(s): Dr. Neuhauser and Dr. Sandu
9:30 AM	Motivitality Systems and the Targeted Neurostimulation Device: # 125 Business Plan Research
Presenters:	Kevin Gorenberg, Seth Decker Mentor: Dr. Petru Sandu
9:50 AM	Student Entrepreneurs: Founding a Startup as Full-Time Students # 126
Presenters:	Michael Twist, Tyler Butkus, Max Mahan, Nick Callahan Mentor: Dr. Petru Sandu
10:10 AM	CFA Research Challenge – A Sell Recommendation on Axalta Coating # 127 Systems Ltd.
Presenters:	Hellesen Joachim, Jessica Rinaldi, Nathadon Mentor: Dr. Emma Neuhauser Suksiritarnan, Kevin Tacchino, Anders Nilsson
Engineering	Paper Presentation H-213
10:30 AM	Comprehensive Analysis of Digital Optic Modulation Circuits for the # 129 Application of Fiber Optically Tethered Unmanned Aerial Vehicles
Presenter:	Brandon Diaz Mentor: Dr. Tomás Estrada
	PPLS Panel #1
PPLS	H-214
9:30 AM	Panel Moderator(s): Dr. April Kelly-Woessner Financial Exploitation of the Elderly: A Comparison of State Laws and a # 131
	Proposed Standard
Presenter:	Tiana Ferrante Mentor: Dr. Kyle Kopko
9:50 AM	History and Development of Herbert Marcuse's Aesthetics # 132
Presenter:	Eric Sevareid Mentor: Dr. Gabriel Ricci
10:10 AM	Personal Identity and Self In Everett's Emergent Multiverse # 133
Presenter:	Andrew Kile Mentor: Dr. Michael Silberstein
Realiz	ation and Signification: Music, Gender, Religion, and Culture forming Arts H-215
rine and Pen	Panel Moderator(s): Dr. Kevin Shorner-Johnson
9:30 AM	Sikhism: Musical Realization of the Granth Sahib # 135
Presenter:	Amanda Pawlewicz Mentor: Dr. Kevin Shorner-Johnson
9:50 AM	Chinese Pipa as a Cultural Tool # 136
Presenter:	Ryan Sagedy Mentor: Dr. Kevin Shorner-Johnson
10:10 AM	Visual-Kei as Gender Identity Realization: Influences of Kabuki Theater, #137
	Geisha Culture, and Otaku Culture
Presenter:	Sarah McCollum Mentor: Dr. Kevin Shorner-Johnson
10:30 AM	Flamenco Development and Role in Andalucian Culture # 138
Presenter:	Andrei Gladkowski Mentor: Dr. Kevin Shorner-Johnson
Biology	Poster Masters Atrium
9:30 AM	Individual Recognition in the Crayfish Genus Orconectes # 140
Presenter:	Miriam Balasundram Mentor: Dr. Anya Goldina
9:30 AM	Using a Controlled Water-Flow Enclosure System to Assess Ability of # 141
	Orconectes Rusticus to Discriminate Between Different Chemical Cues
Presenters:	Jakob Stonecipher, Marquise Henry Mentor: Dr. Anya Goldina
9:30 AM	Comparing the Oral Microbiome of the Amish and Non-Amish # 142 Communities
Presenter:	Esther Rei Mentor: Dr. Debra Wohl

Biology	Posters		Masters A	Atrium
9:30 AM	Do Genetics, Environment, and Lifestyle A	All Affect the Or	al	# 143
	Microbiome? A Comparative Study of the	Oral Microbiom	e Between	
	Amish, Non-Amish, and Twins.			
Presenter:	Brittany Custer		Mentor: Dr. Deb	
9:30 AM	Converting Conventional Microscopes to		•	# 144
Presenters:		ntors: Dr. Diane B		
9:30 AM	Developing a Protocol for CRISPR/Cas9 G			# 145
Presenter:	Brady Morgan		entor: Dr. Diane	
9:30 AM	Sequence-Based Analyses of The Evolution Heat Shock Proteins	, ,	•	# 146
Presenter:	Colin Todd		entor: Dr. Diane	Bridge
9:30 AM	Investigating the Effects of Anti-CD40 Tre Induced Apoptosis in Dendritic Cells	atment on Fas L	igand-	# 147
Presenter:	Eric Zimmerman		Mentor: Dr. Joo	di Yorty
9:30 AM	Utilizing an Immunofluorescence Assay to Corticosterone Induces Apoptosis of Den		er	# 148
Presenter:	Kendra Ormsbee		Mentor: Dr. Joo	di Yorty
9:30 AM	Impact of Glyphosate on Crassostrea Virg	ginica Growth		# 149
Presenter:	Sarah Roesner		tor: Dr. Thomas	Murray
Engineering	Electric Car Race			Track
12:00 PM	First-Year Engineering Student Solar-Pow			# 200
Presenter:	Daniel Buttorff, Clay Buxton, Dallas Fleck, Ch		Mentors:	
	Andrew Brndjar, Kevin Carman, Chris Carr, C		Dr. Kurt De	
	Brandon Huey, Grant Michal, Kyle Pienik, Ry		Dr. Brenda	L Daily
	Brendan Burke, Lacie Flores, Robert Pavlik,			
	Justin Cherry, Alberto Miguez Dominguez, K			
	Steven Sacks, Will Connolly IV, Conor Csono			
	Sargent, Elle Shatto, Lianne Uroda, Jordan B			
	Burnham, Lauren Cugliotta, Miguel Gonzalez			
	Nicholas Miller, Damon Edwards, Henry Gold ShultzTravis Wilson, Olivia Beachley, Baizhor			
	Novak, Annie Novy, Joseph Rue, Thomas Ar		ın	
	Hiltebeitel, Lousheng Moua, Dan Patterson,			
	Reynolds, Michael Ryzuk, Tyler Spinello	Scott Neary, Cur	ແວ	
-	reynolus, Michael Ryzuk, Tylei Spillello			





Session III 1:00 PM-3:00 PM

	Honors in Education S	
	Senior Honors Candidates Th	
Education	Dec. 11	N-106
1.00 DM		Moderator(s): Dr. Rachel Finley-Bowman
1:00 PM	Accommodations Provided for Studen	it with IEPs in Elementary Physical # 201
5 .	Education Classes	
Presenter:	Allison McLamb	Mentor: Dr. Shannon Haley-Mize
1:40 PM	Differentialing Instruction for English Learning Disabilities	Language Learners with Specific # 202
Presenter:	Ashlee Punte	Mentor: Dr. Shannon Haley-Mize
1 Tosomor.	Albinoo F dinto	Monton Dr. Orlamon Flato, Miles
	Communication	ons
Communicat		H-110
1:00 PM	Women's Rights in Saudi Arabia: The	· ·
Presenter:	Paige Williams	Mentor: Dr. Colin Helb
1:20 PM	Work-Life Balance in Media Newsroom	ns # 206
Presenter:	Irene Snyder	Mentors: Dr. Kirsten Johnson,
	-	Dr. Michele Lee Kozimor-King
	Family History in a Multic	ultural America
English		H-110
		anel Moderator(s): Dr. John Rohrkemper
2:00 PM	From Pre-Colonialism to Present Day:	My German Roots in Lancaster # 208
	County	
Presenter:	Megan Kane	Mentor: Dr. John Rohrkemper
2:20 PM	Connecting the Dots: An African-Amer	,
Presenter:	Regan Barlow	Mentor: Dr. John Rohrkemper
2:40 PM	How China's One-Child Policy Brough	t Me to America: The Tale of a # 210
	Fortunate Cookie	
Presenter:	Kelsey Brady	Mentor: Dr. John Rohrkemper
	Animation	
Fine Arts	Art Work	H-114
1:00 PM	Hand Drawn Animation Project, Art 37	0 # 211
Presenters:	Conrad Bourdeau, Kristina Worobey	Mentor: Dr. Kristi Arnold
History	Paper Preser	ntations H-114
2:00 PM	Empowering Vulnerable Populations T	Through the Paul M. Grubb Peace # 213
	Award	
Presenter:	Sarah Fuller	Mentor: Dr. David Kenley
	Cultural Readings of Americ	
	Murder, Magical Realism, and	
English		H-211
1:00 PM	Immigration in George Saunders's "Th	Panel Moderator(s): Dr. Tara Moore semplica Girl Diaries" # 216
Presenter:	Angela Wesneski	Mentor: Dr. Tara Moore





Cultural Rea	dings of American Short Stories:		the
En allah	Vietnam War		044
English		H- Panel Moderator(s): Dr.Tara M o	-211
1:20 PM	"'On the Rainy River' And The Dilemma:		217
Presenter:	Sean McCubbin	* Mentor: Dr. Tara Mod	
1:40 PM	Where is the Magic, Where is Reality?:		# 218
1.40 FW	"Where Are You Going, Where Have You		210
Presenter:	Rebecca Easton	Mentor: Dr. Tara Moore	`
r resemer.	Brontes and Vam		,
English	Diontes and vani		211
Liigiioii	Panel Moder	rator(s): Dr.Kimberly VanEsveld Ad	
2:00 PM	"We Claw Into the Stars Like the Sky Is		219
Presenters:	Colleen Wells	Mentor: Dr. Kimberly Ada	ams
2:30 PM	Classic And Contemporary Vampires	1	220
Presenters:	Katherine Campbell	Mentor: Dr. Kimberly Ada	ams
	d Anthropology Paper Presentation		212
1:00 PM	Another Piece Of The Puzzle: A Content	t Analysis Of Social Media #	225
	Comments To The Personal Identity Car		
Presenters:	Erin Mowery, Rebecca Slack	Mentor: Dr. Michele Lee Kozimor-Kii	na
1:20 PM	I Got My Kids On My Money And My Mo		226
	Socioeconomic Status And Age Of Pare		
Presenter:	Alvssa Vielee	Mentor: Dr. Michele Lee Kozimor-Ki	na
1:40 PM	Is This Land Made For You And Me? Th		227
	And Age On Views Of Immigrants	3,	
Presenter:	Courtney Shaffer	Mentor: Dr. Michele Lee Kozimor-Kii	ng
2:00 PM	U-S-A! U-S-A! U-S-A! The Effects Of Sex		228
	Sports-Related National Pride	,	
Presenter:	Daniel Gittis	Mentor: Dr. Michele Lee Kozimor-Ki	ng
2:20 PM	Peace-Ing It All Together: Examining Th		229
	Foundation Inc.© Alumni Peace		
Presenters:	Anh Bui, Cody Aspril, Daniel Gittis, Ashley	Hullihan. Mentor: Dr. Michele Lee	е
	Elizabeth Kauffman, Olivia LoGiurato, Ama		
	Robbins	3	
	French Business, Biodivers	ity and Culture	
Modern Lang	uages	H-2	213
		Panel Moderator(s): Dr. Vanessa Bo	
1:00 PM	Thinking Outside The EU: How Can Fran	nce Regain Its Economic #	230
	Influence?		
Presenter:	Aimee Cutri	Mentor: Dr. Vanessa Bor	
1:20 PM	The Calanques National Park: Obstacles	s In The Race To Preserve #	231
	Provence		
Presenter:	Emily Lawrence	Mentor: Dr. Vanessa Borilo	
1:40 PM	From Lavender Fields To Corn Fields: T	he Adventure Of Rouge De #	232
ъ .	Colère		
Presenter:	Megan Tindell	Mentor: Dr. Vanessa Borilot	





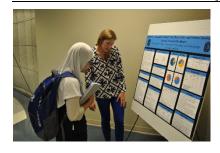


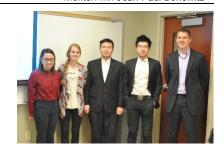


Scholarship and Creative Arts Days

	Japanese Senior Theses
Modern Lang	guages H-213
2.00 DM	Panel Moderator(s): Dr. Nobuaki Takahashi
2:00 PM	A Call To Action: Augmenting Japanese Support For Syrian Refugees # 234
Presenter:	Alex Krause Mentor: Dr. Nobuaki Takahashi
2:20 PM	Japanglish: The Ever-Growing Influence Of Loanwords In Japanese - A Critical Analysis # 235
Presenter:	Gabriel Edwards Mentor: Dr. Nobuaki Takahashi
2:40 PM	Will God Save His Creation? The Relationship Between Traditional # 236 Religion And The Environmental Policy Of Japan And America
Presenter:	Sarah McCarron Mentors: Dr. Nobuaki Takahashi, Dr. Mahua Bhattacharya
	PPLS Panel #2
PPLS	H-214
1.00 DM	Panel Moderator(s): Dr. Oya Ozkanca
1:00 PM	A Comparative Analysis Of Counterterrorism In Western Europe: The # 237 Madrid, London, Paris And Brussels Attacks
Presenter:	Emily West Mentors: Dr. Oya Ozkanca, Dr. E. Fletcher McClellan
1:20 PM	Brexit: How Did This Happen? # 238
Presenter:	Andrew Lesko Mentors: Dr. Oya Ozkanca, Dr. E. Fletcher McClellan
1:40 PM	An Analysis Of The Criticisms Of The World-Systems Theory # 239
Presenter:	Eric Sevareid Mentors: Dr. Oya Ozkanca, Dr. Michele Lee Kozimor-King
	PPLS Panel #3
PPLS	H-214
2.00 DM	Panel Moderator(s): Dr. Fletcher McClelan An Analysis Of Hate And Hate Groups In The United States # 240
2:00 PM	,
Presenter:	Matthew Rucci Mentors: Dr. E. Fletcher McClellan, Dr. April Kelly-Woessner
2:20 PM	The Party Didn't Decide: How Party Division And A Rise In Voter # 241
Dragontor	Activism Produced Trump's Victory In The 2016 Republican Primaries
Presenter:	Brianna Wenger Mentor: Dr. E. Fletcher McClellan
2:20 PM	The Rise of Populism in Modern Politics # 242
Presenter:	Brendan Rawa Mentor: Dr. E. Fletcher McClellan
ine and Per	forming Arts H-215
1:00 PM	Case Study Of Early Childhood Trauma: Music Therapy Strategies That # 244 Promote Child Regulation
Presenter:	Bethany Wentling Mentor: Dr. Gene Behrens
1:40 PM	Differences In Identifying Accuracy Of Emotions When Performed On # 245 Definite Versus Indefinite-Pitched Instruments
Presenters:	Cody Thompson, Madison Button, Ashley Doron, Sarah McCollum, Zoe Robinson, Bethany Wentling Mentor: Dr. Gene Behrens
2:20 PM	Relationships Between Personality Traits And Choice Of Rhythm # 246
	Instruments For College-Aged Students
Presenters:	Jennifer Messner, Andrei Gladkowski, Lydia Anthony, Mentor: Dr. Gene Behrens Alyssa Schott, Samantha Wasson
Occupationa	
1:00 PM	A Walker Attachment To Increase Stabilization And Reduce Falls # 249
Presenter:	Jennifer L. Newman Mentor: Dr. Judy Ericksen
1:00 PM	The Effect Of Sensory Processing On Non-Suicidal Self-Injury: A # 250 Scoping Review # 250
Presenter:	Emma Johnson Mentor:Terri Dennehy

Psychology	Posters	Masters Atrium
1:00 PM	Refugee Resettlement In Lancaster Pennsylvania	
Presenter:	Kayla Furman	Mentor: Dr. Paul Dennis
1:00 PM	An Investigation Of The Effect Of Concussions O	
	Integration	•
Presenter:	Halley Donlin	Mentor: Dr. Catherine Lemley
1:00 PM	Athletes Utilize Object Imagery Over Spatial Imag	
Presenter:	John Bush	Mentor: Dr. Catherine Lemley
1:00 PM	Enhanced Auditory Memory Associated With Bet	ter Learning In Music- # 263
	Color Synesthetes	
Presenter:	Halley Donlin	Mentor: Dr. Catherine Lemley
1:00 PM	The Influence Of Visual Emotional Cues On Chan	•
Presenter:		therine Lemley, Dr. Michael Roy
1:00 PM	The Perky Effect Is No Longer Robust With Acuit	
Presenters:	Morgan Smith, Cara Nunn	Mentor: Dr. Catherine Lemley
1:00 PM	Single-Session Loving-Kindness Meditation Prac Social Emotion	tices Increase Positive # 266
Drocontore	Josh Ruszala	Mentor: Dr. Catherine Lemley
Presenters: 1:00 PM	Using Creativity and Critical Thinking to Predict (
Presenter:	Megan Kuczma	Mentor: Dr. Jean Pretz
1:00 PM	Going with Your Gut: How Intuition is Related to	
1.00 1 101	Behaviors	Thoughts, beliefs, and # 200
Presenters:		Dr. Michael Roy, Dr. Jean Pretz
E	lizabethtown Borough Historic Preservation	on Section 106
	Review For Penndot Posters	
Honors Prog		Masters Atrium
1:00 PM	#1-Market Street Bridge, High Street Bridge, Popl	ŭ
Presenters:	Robert Pavlik, Robert Yahara	Mentor: Mr. Jean-Paul Benowitz
1:00 PM	#2 South East Square	# 271
Presenter:	Kenneth Wallace, Riley McGinley	Mentor: Mr. Jean-Paul Benowitz
1:00 PM	#3 South West Square	# 272
Presenter:	Kory Trout, Ramon Rios	Mentor: Mr. Jean-Paul Benowitz
1:00 PM	#4 North West Square	# 273
Presenter:	Rider Brandau, Joseph Rue	Mentor: Mr. Jean-Paul Benowitz
1:00 PM	#5 North East Square	# 274
Presenter:	Aubrey Mitchell, , Zach Gibbons #6 West Side of South Market Street	Mentor: Mr. Jean-Paul Benowitz # 275
1:00 PM		" =·-
Presenter: 1:00 PM	Lizzie Miller, Joseph Santos #7 East Side of South Market Street & Elizabethto	Mentor: Mr. Jean-Paul Benowitz wn College # 276
		· ·
Presenter:	Olivia LoGiurato, Jennifer Lloyd	Mentor: Mr. Jean-Paul Benowitz





Session IV 3:10 PM-5:10 PM

Honors in Education Symposium –				
Education	Senior Honors Candidates Thesis P	resentations N-106		
Education	Paper Presentation	tor(s): Dr. Rachel Finley-Bowman		
3:10 PM	Integrating the Arts in the Early Childhood Cla			
Presenter:	Casey Shedlock	Mentor: Professor Wendy Bellew		
	The History of SCAD: 2007-2			
History		H-110		
		l Moderator(s): Ramon R. Rios, III		
4:10 PM	The History Of SCAD: 2007-2017	# 305		
Presenters:	Ramon Rios, Kelly Knorr, Kyle Kopko, Jessica	Mentors: Mr. Jean-Paul Benowitz,		
_	Binnig, Jane Cavender, Rachel Finley-Bowman	Carol Ouimet		
Commuter C	Computer Science	LI 444		
Computer S 3:10 PM		H-114 # 313		
Presenter:	Detecting Sarcasm On Twitter Ryan Schubert	Mentor: Dr. Barry Wittman		
3:30 PM	Gengo: Random Language Generator	# 314		
Presenter:	Gabriel Edwards	Mentor: Dr. Barry Wittman		
Mathematica		H-114		
3:50 PM	Convergence Rates For Standard Quadrature			
Presenter:	Kayla Novak	Mentor: Dr. Timothy McDevitt		
English	Paper Presentations	H-211		
3:10 PM	Here Be Dragons	# 320		
Presenter:	Megan Tindell	Mentor: Dr. Louis Martin		
3:30 PM	Reading The Bible Independently: A Resource	For # 321		
	Adolescent Readers			
Presenter:	Emily Drinks	Mentor: Dr. Matthew Skillen		
3:50 PM	The African American Hero's Quest: The Search			
	Solomon, Joe Turner's Come And Gone, And			
Presenter:	Casey Quinto	Mentor: Dr. Matthew Skillen		
4:10 PM	The Reception And Progression Of The Libera	Il Arts In Twenty-First # 323		
Drocontor	Century America	Matthou Chillon Dr. Douid Downing		
Presenter: 4:30 PM	Kelly Bergh Mentors: Dr. Reaching Your Audience: Multimodal Compo	Matthew Skillen, Dr. David Downing sition # 324		
Presenters:	Taj Baker, Mika Cook, Marylyn Lamourt, Scarlett	Mentor: Erica Dolson		
Fresenters:	Lehman	IVIEHIUI. EHCA DUISUH		
	LUIIIIaii			



Sociology ar	nd Anthropology Paper Presentations	H-212
3:10 PM	Clay Faces: The Intersection and Application of Anthropolog and Art	gy, Anatomy, # 325
Presenter:	Nicole Leaf Mentor	: Dr. Elizabeth Newell
3:30 PM	The Good, The Bad, and TheHuh?: Perceptions of the An Crime Shows	ti-Hero in US # 326
Presenter:	Emily Soltys M	entor: Dr. Rita Shah
3:50 PM	Will and Julian: An LGBTQ Inspired Adaptation of Romeo ar	nd Juliet # 327
Presenter:		nah, Dr. Susan Mapp
4:30 PM	An Examination Of Work-Life Balance At Elizabethtown Coll	ege # 328
Presenter:		e Lee Kozimor-King
	German Language and Literature	
Modern Lan		H-213
3:10 PM	Warding Off Language Death: Survival Strategies of Pennsy	s): Dr. Mark Harman Ivania # 330
3.10 F W	German	Ivaliia # 330
Presenter:	Kevin Hughes Mento	or: Dr. Mark Harman
3:30 PM	Franz Kafka: Life Into Art?	# 331
Presenter:	Paige Williams Mento	or: Dr. Mark Harman
Called To Le	ead Program Paper Presentation	H-214
3:10 PM	When Passion and Employment Collide, Fulfillment Emerge	s # 335
Presenter:	Emily Wieder Mentors: Ms. Stacy Zimmerman	, Dr. Brian Newsome
Fine and Per	rforming Arts Paper Presentations	H-215
3:10 PM	Survey of Early Music Programs for Children with Down Syr Status and Benefits	
Presenter:		or: Dr. Gene Behrens
3:50 PM	Status of Music Therapists' Involvement in Medical Researc	
Presenter:		or: Dr. Gene Behrens
4:30 PM	Artistic Influences On Debussy's Sunken Cathedral	# 348
Presenter:		Douglas Bomberger
Engineering	Poster	Masters Atrium
3:10 PM	Community Based Engineering Projects 1	# 350
Presenter:	Abby Beyer, Jennifer Gorel, Hui Lui, Nick Petrella, Ruth	Mentors:
	Ashlan, Jeffrey Bloom, Aleeyah Colbert, Lousheng Moua, Audrey Shultz, Yue Yangpeng, Margo Donlin, Abby Kopytko,	Dr. Joseph Seidel, Dr. Sara Atwood
	Sarah Schneider, Victoria Tassallo, Alexandra Moore	DI. Sala Alwoou
3:10 PM	Community Based Engineering Project 2	# 351
Presenter:	Daniel Buttorff, Guillaume Gouronc, Tristan Koehler, Kyle	Mentors:
i icaciici.	Lumbert, Matthew Schappell, Nick Winch, Ben Hiltebeitel,	Dr. Joseph Seidel,
	Samuel Hirshberg, Baizhong Jin, Jonathan Knapp, Thomas	Dr. Sara Atwood
	Huhn, Angel Sosa Rodriguez, Josh Fishman, Dominic	
	Giancarlo, Kurt Holtzer, Andrew Mangabat, Austin Reth, Justin	
	Cherry, Zach Dennin, Darren Labenberg, Derek Manning,	
-	Gerald Romich	
3:10 PM	Siding Cutting Table	# 352
Presenters:	Tyler Buskirk, Kyle Fackler, Kyle Hakun, John Pacy Mentor	: Dr. Brenda L Daily

Engineerir	ng Posters	Masters Atrium
3:10 PM	Soccer Ball Launcher	# 353
Presenters:	Josh Rinehart, Josh McMahon, Jake Sweger, Jeff Light	Mentor: Dr. Brenda L Daily
3:10 PM	Turf Snow Blower	# 354
Presenters:	Nick Specht, Mike Specht, Luke Stephens	Mentor: Dr. Brenda L Daily
3:10 PM	The Halo: Concussion Detecting Device	# 355
Presenters:	Julie Hess, Austin Frey, Kimberly Kim, Erin Clay	Mentor: Dr. Kurt DeGoede
3:10 PM	Device for Walker Stability	# 356
Presenters:	Seth Decker, Kevin Gorenberg, William Kenney, Kieran	Mentor: Dr. Sara
	Koehler, Nicholas Wagner	Atwood
3:10 PM	Drag Racing Timing System	# 357
Presenter:	Jacob Marunich	Mentor: Dr. Sara Atwood
3:10 PM Presenters:	Comprehensive Analysis of Fiber Optic Data-Rate ar Capacities and Insusceptibility to Electromagnetic D Application of Fiber Optically Tethered Unmanned A Brandon Diaz, Jamey Hogarth, Chandler Maclaren, Nicholas Stratton	istortion for the
3:10 PM	Internet of Things Energy Efficient Solution	# 359
Presenters:	Claude Abounegm, Nathaniel Dowling, Abigail Haines, Austin Hooper	Mentor: Dr. Tomás Estrada
3:10 PM	Leeb: Electronic Gaming Board	# 360
Presenters:	Hiroki Asakawa, Alex Chavez	Mentor: Dr. Tomás Estrada
3:10 PM	Lighthouse Tracking	# 361
Presenters:	Michael Twist, Max Mahan, William Gushue	Mentor: Dr. Tomás Estrada
3:10 PM	Mathematical Model for Autonomous Path Following	
Presenter:	Gonzalo Miguez Dominguez Mentors: Dr. Tomás Es	strada, Dr. Timothy McDevitt
3:10 PM	Pedal Powered Electric Bike	# 363
Presenters:	Peter Bogush, Benjamin Martin, Philip Kyger, Tyler Robbins	Mentor: Dr. Tomás Estrada
3:10 PM	Charge The Gambia: Designing A Manufacturing Pro	ocess # 364
Presenters:	Kevin Elwell, Brian Portillo, Reid Seifert	Mentor: Mr. William Gordon
3:10 PM	Improving The CRM Process At An Electrical Supply	
Presenters:	Adam Strayton, Alec Proffitt	Mentor: Mr. William Gordon
3:10 PM	Process Improvement At Lighthouse Vocational Serv	vices # 366
Presenters:	Daniel Esteves, Paul Lecurieux-Lafayette, Mary Stoltzfus	Mentor: Mr. William Gordon
Communicat	ions Art Work	Library
	Scars	# 370
Presenter:		Mentor: Dr. Katherine Hughes
FAPA	Photography Exhibit	Library
	So You Think You Know Etown? A Photography Exh	
Presenters:	Hannah Beatty, Kaylin Echterling, Angelina Farole, Cara Glynn, Guillaume Gouronc, Cassandra Hoben, Katie Ke	



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2017 Scholarship and Creative Arts Days Committee

Scholarship and Creative Arts Days are made possible by contributions of many faculty, staff members and students. Serving on the SCAD committee, this year, are:

- •Emma Neuhauser (chair)
- •Carol Ouimet '96
 (assistant to the chair & program design)
- •Ron Heasley
 (Program scheduler)
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- Mahua Bhattacharya
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- Tomás Estrada
- Shannon Haley-Mize
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- Tamara Humbert
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- •E. Fletcher McClellan
- Brian Newsome
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- Angela Salvadia
- Kevin Shorner-Johnson
- Jesse Waters
- Richard Wolf-Spencer
- Jodi Yorty
- SCAD interns
 - Jessica Binnig '17
 - •Kelly Knorr '18



Anna Carper Award

The Anna Carper Excellence in Library Research Award is intended to recognize that the library is a "laboratory for scholarship," from the first year of college study onward. The award identifies those first-year students who have demonstrated exemplary integrative skills in using library resources.

2017 Anna Carper Award Winner Margaret Boccella '20

Honorable Mentions:

Alyssa VanLenten '19 Rebecca Voler '19

Cover by Monica Venturella '17



Congratulations to Monica Venturella '17, winner of the

2017 Scholarship and Creative Arts Day program cover contest!

Artist Statement: SCAD is all about bringing ideas from different disciplines together. The design brings together the sciences and the arts into one cohesive piece. Following graduation I hope to do the same by combining my psychology major and communications minor into a career in college admissions.

The Scholarship and Creative Arts Days Committee also congratulates Taylor Miles who was recognized with an honorable mention for the cover contest.