

11th Annual

SCAD

Scholarship and Creative Arts Days

APRIL 23 & APRIL 24



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SCHOLARSHIP and Creative Arts Days

APRIL 23 -24



Welcome to Elizabethtown College's 11th 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 2017-2018. 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 23, 2018

- 31st Annual Juried Student Art Show—5:00 PM Lyet Gallery in Leffler Chapel and Performance Center
- Occupational Therapy Graduate Research Symposium—5:00 PM Masters Atrium and Gibble Auditorium in the Master Center
- Showcase Music Recital—7:30 PM Musser Auditorium in Leffler Chapel



Tuesday, April 24, 2018

Showcase of Scholarship Presentations

8:00 AM to 5:10 PM

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, Nicarry Hall, and Track Infield.



Keynote Event:

The Courage to Care, the Strength to Serve

Kathleen Kennedy Townsend

11:00 AM to 12:00 PM

Gibble Auditorium, Master Center
Book signing in BC 200 at 12 noon



Solar Car Race

Track Infield

12:00 PM



Reception and Presentation of Anna Carper

Excellence in Library Research Award

5:10 PM

31st Annual Juried Student Art Show

Lyet Gallery at Leffler Chapel and Performance Center

Monday, April 23, 5:00 PM

**Monday
5:00 PM**

31st Juried Art Show

#M1

Presenters:

Maria Anderson, Elizabeth Bach, Abby Beyer, Katie Bibinski, Rachel Bickelman, Conrad Bourdeau, Ash Ezra Burdyn, Chris Carr, Renee Ciardullo, Amelia Cliften, Mercedes Geiger, Matt Godek, Georgia Grimm, Ailey Hostetter, Sofia Jurado, Mo Kalmbacher, Megan Kane, Keijiro Katayama, Brooke Landis, Mikenna Lehane, Emily Leister, Amy Liberman, Delaney McCracken, Brendan McDonough, Meg McMurdy, Phil Mehmet, Chloe Melton, Kimberly Morris, Kearney Nevills, Emily Patrick, Jenna Pelonero, Elizabeth Peters, Jordan Petersen, Morgan Popson, Mary Pugh, Ashley Reeb, Mortin Rodgers, Christina Rupp, Rebecca Russell, Dru Schneider, Cooper Siegal, Tanner Simon, Kristen Wade, Mary Walsh, Michael Wehman, Rebecca Williams, Kristina Worobey, Yawen Zhang

Mentors:

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

Opening Reception: 31st Annual Student Art Show in Lyet Gallery
April 12-24

The opening reception for the 31st Annual Juried Student Art Show took place Thursday, April 12, 2018, 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 Tuesday, April 24, 2018.



Photos from Art Show 2017



2018 Peace Education Symposium

N-106

5:00 PM *Policy and Practice for Exceptional Learners* # M2a

Presenters: Melissa Ailey, Maura McDonald, Nicole Boyd, Brianna Kreiss Mentor: Dr. Shannon Haley-Mize

5:40 PM *Context of Shared and Separate Schools* # M2b

Presenters: Jenna Hansell, Hannah Rosengrant, Abby Harvey, Allie Hoffman, Andrew Watts Mentor: Dr. Rachel Finley-Bowman

6:20 PM *Resources for Peace Education and Literacy* # M2c

Presenters: Delaney McCracken, Denaye Wyland, Emily Seiser, Becca Young, Victoria Ziemba Mentor: Professor Wendy Bellew

Occupational Therapy Graduate Research Symposium 2018

Masters Center

5:00 PM- 6:00 PM Reception and Keynote
 Masters Atrium and Gibble Auditorium

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

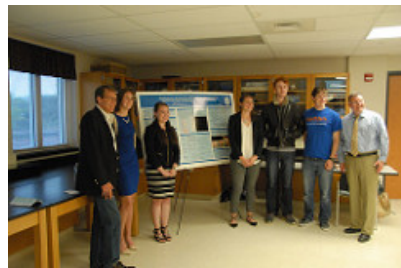
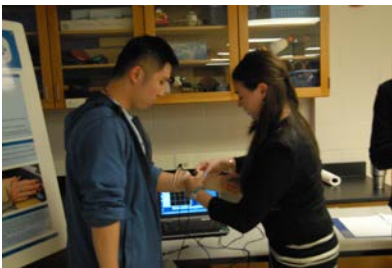
Posters

	<i>An Innovative Measure: Comparing the BBC Sensory Scales and Sensory Profile™ 2</i>	#M3a
Presenters:	Hannah Bacon, B.S., MOTS; Laurie Conran, B.S., MOTS; Camilla Keady, B.S., MOTS	Mentor: Nancy Carlson-Steadman, Ph.D., OTR/L
	<i>Exploring the Clinical Reasoning of Experienced Occupational Therapists: A Metacognitive Approach</i>	# M3b
Presenters:	Danielle Barattini, B.S., MOTS; Hannah Bowman, B.S., MOTS; Katherine Reitz, B.S., MOTS	Mentor: Tamera Keiter Humbert, D.Ed., OTR/L
	<i>The Effect of Exercise on Breast Cancer-Related Lymphedema: A Systematic Review and Meta-Analysis</i>	#M3c
Presenters:	Brooke Hillriegal, B.S., MOTS; Tori Lauder, B.S., MOTS; Erica Suttman, B.S., MOTS	Mentor: Daniel Panchik, D.Sc., OTR/L
	<i>Real-Time Motion Capture Technology: Development of a Business</i>	#M3d
Presenters:	Brianna Nilsen, B.S., MOTS; Brianna Vesuvio, B.S., MOTS; Angela Meyers, B.S., MOTS	Mentor: Daniel Panchik, D.Sc., OTR/L
	<i>Exploring the Influence of Coloring on Attachment: A Pilot Study</i>	# M3e
Presenters:	Shelby Brown, B.S., MOTS; Megan DiMichele, B.S., MOTS; Alyssa Frankenfield, B.S., MOTS; Victoria Pagano, B.S., MOTS	Mentor: Christine Achenbach, M.Ed., OTR/L
	<i>Intraprofessional Collaboration in Occupational Therapy Academia: Exploring OT/OTA Educational Practices</i>	#M3f
Presenters:	Taylor Brown, B.S., MOTS; Olivia Powers, B.S., MOTS; Janelle Sovay, B.S., MOTS	Mentor: Terri Dennehy, D.Ed., OTR/L



Presentations

	<i>Taking the Stress Out of Eating: An Innovative Occupational Therapy Intervention for Mothers of Children with Autism</i>	#M3g
Presenters:	Victoria Bueti, B.S., MOTS; Samantha Freas, B.S., MOTS; Nicole Thompson, B.S., MOTS	Mentor: Kerri Hample, OTD, OTR/L
	<i>Interoceptive Awareness Protocol to Improve Toileting in Children with Sensory Processing Disorder</i>	#M3h
Presenters:	Jennifer Gallo, B.S., MOTS; Megan Goss, B.S., MOTS; Melissa Keene, B.S., MOTS; Jennifer Newman, B.S., MOTS	Mentor: : Kerri Hample, OTD, OTR/L
	<i>Interoception and Emotional Regulation Intervention: An Occupational Therapy Pilot Study</i>	#M3i
Presenters:	Carly Ensor, B.S., MOTS; Mary Ludwig, B.S., MOTS; Adelaide Stang, B.S., MOTS	Mentor: Kerri Hample, OTD, OTR/L; Kelly Mahler, M.S., OTR/L
	<i>Professional Identity Formation: A Qualitative Study of Students in an Entry-Level Masters Occupational Therapy Program</i>	#M3j
Presenters:	Rebecca Dierken, B.S., MOTS; Juana Dobrzynski, B.S., MOTS; Kelly Kleindinst, B.S., MOTS	Mentor: Tamera Keiter Humbert, D.Ed., OTR/L
	<i>Examining the Perceptions of Occupational Therapy Students Regarding Interprofessional Education</i>	#M3k
Presenters:	Charity Good, B.S., MOTS; Lindsay Hockman, B.S., MOTS; Jessica Schultz, B.S., MOTS	Mentor: Angela Salvadia, Ed.D., OTR/L
	<i>Being Well: How Mindfulness is Perceived and Used by Occupational Therapy Students</i>	#M3l
Presenters:	Allison Gensemer, B.S., MOTS; Alexis Groce, B.S., MOTS; Emma Johnson, B.S., MOTS	Mentor: Terri Dennehy, D.Ed., OTR/L
	<i>A Feasibility Study of the Use of Occupation-Based Text Messaging to Provide Health-Based Support for Commercial Drivers</i>	#M3m
Presenters:	Caitlin Mitchell, B.S., MOTS; Samantha Tobon, B.S., MOTS	Mentor: Ann Marie Potter, PhD., OTR/L
	<i>Occupational Performance in Males with Breast Cancer</i>	#M3n
Presenters:	Breanne Bentz, B.S., MOTS; Lindsay Crue, B.S., MOTS; Stephanie Leiby, B.S., MOTS	Mentor: Ann Marie Potter, PhD., OTR/L
	<i>Living with a Congenital Heart Defect: Occupational Performance of Young Adults</i>	#M3o
Presenters:	Rachel Brubaker, B.S., MOTS; Emily Reese, B.S., MOTS; Samantha Speierman, B.S., MOTS	Mentor: Debbie Waltermire, Dr PH, OTR/L



“Winter” from *The Four Seasons*, op. 8, RV 297 Antonio Vivaldi (1678–1741)

Allegro non molto

Largo

Allegro

Jennifer Hesse, marimba

Justin Pechulis, piano

“Dream with Me” from *Peter Pan* Leonard Bernstein (1918–1990)

Hayley Spriggs, soprano

Jennifer Noyd, cello

Dr. Justin Badgerow, piano

Russian Rag Elena Kats-Chernin (b. 1957)

Giuliana Rinaldi, piano

Concerto No. 1 in G major, K. 313 W. A. Mozart (1756–1791)

II. Adagio ma non troppo

Emily Perry, flute

Dr. Justin Badgerow, piano

“Blute nur” from *St. Matthew Passion* J. S. Bach (1685–1750)

Lauren Shakes, mezzo-soprano

Dr. Justin Badgerow, piano

Obsession, op. 27 no. 2 Eugene Ysaÿe (1858–1931)

Bruno Coletta, violin

“The Sunken Cathedral” from Preludes, Book I Claude Debussy (1862–1918)

Lucas Finet, piano

“Bella siccome un angelo” from *Don Pasquale* Gaetano Donizetti (1797–1848)

A. J. Gaudreau, baritone

Steven Roldan, piano

TRANSLATIONS

Blute nur, du liebes Herz

The soprano sings this aria after Judas agrees to betray Jesus to the Pharisees.

Only bleed, you beloved heart!

Oh, a child that you brought up,
that nursed at your breast,
threatens to murder the guardian,
for (the child) has become the serpent.

Translation: Richard Walters

Bella siccome un'angelo

Don Pasquale is searching for a wife. Doctor Malatesta describes the wonders of Norina, trying to convince Don Pasquale to marry her (since Malatesta will benefit from the match!).

Beautiful as an angel

on earth as a pilgrim.

Fresh as a lily

that opens at morning.

Eyes that speak and laugh,

glances that conquer the heart,

hair that surpasses ebony,

enchanting smile!

A soul innocent and ingenuous
that ignores itself.

Modesty incomparable,

goodness that makes one fall in love.

To the poor piteous,

gentle, sweet, loving!

Heaven made her be born

to make a heart beat!

Translation: Robert Glaubitz

Tuesday, April 24, 2018

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 AM to 9:20 AM

- Honors in Education Symposium Session 1
- Case Studies in Applied Philosophy
- English-Gender/Trouble/Coercion: Theory and Literature
- English
- Religious Studies-Religion in Public Life 1
- Politics, Philosophy and Legal Studies
- Business
- Business-Applied Family Business Research
- Social Work Honors Presentations
- Sociology and Anthropology
- Biology-Honors in the Discipline
- Political Science Research Methods Survey Results
- Communications
- Engineering



Session II 9:30 AM to 10:50 AM

- Honors in Education Symposium Session 2
- History
- English
- Religious Studies-Religion in Public Life 2
- PPLS-Terrorism and Counterterrorism Panel 1
- Business-Applied Family Business Research
- Communications
- Engineering
- Mathematical Sciences
- Sociology and Anthropology
- Biology
- Chemistry and Biochemistry



Keynote Event: Kathleen Kennedy Townsend

11:00 AM to 12:00 PM

Gibble Auditorium

Lunch Break 12:00 PM to 1:00 PM

Book Signing, Brossman Commons 200

Solar-Powered Electric Racers, Track Infield



Session III 1:00 PM to 3:00 PM

- Honors in Education Symposium Session 3
- English-War and Violence in Modern British Literature: At the Front, at Home
- English-Shards of Memory: Excerpts from Student Memoirs
- Fine and Performing Arts
- Biology
- Sociology and Anthropology-Amish Life and Culture 1
- Modern Languages—Japanese Senior Theses
- Modern Languages– From Anime to Zen
- PPLS-Terrorism and Counterterrorism Panel 2
- Business
- Religious Studies
- Occupational Therapy

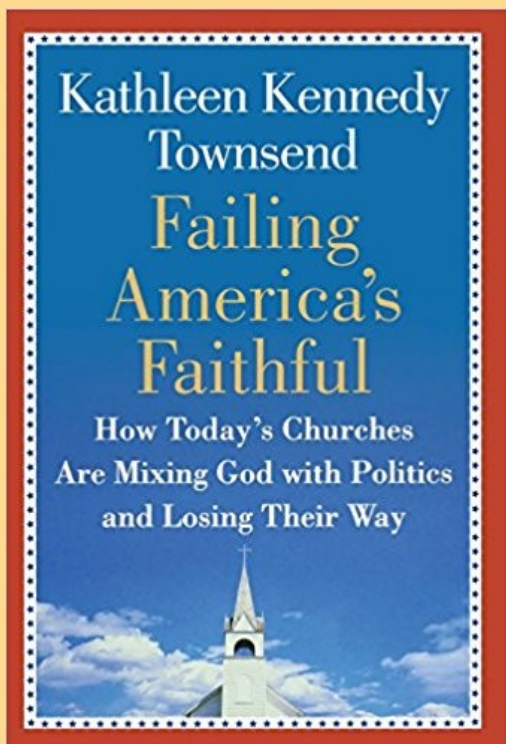


Session IV 3:10 PM to 5:10 PM

- Honors in Education Symposium Session 4
- Religious Studies
- English Honors in the Discipline
- English
- Sociology and Anthropology
- Peace and Conflict Studies– Field Research Reports from the Philippines, Zanzibar, and Japan
- Music Therapy Research
- Modern Languages
- PPLS-Sustainability and Environmental Ethics
- Communications
- Occupational Therapy
- Sociology and Anthropology-Amish Life and Culture 2
- Psychology



Kathleen Kennedy Townsend has a long history of accomplishment in the public arena, and for the last six years she has been making her mark in the private sector. After two years at Lehman Brothers, she is now a senior advisor at a hedge fund run by the former treasurer of the World Bank. In the public sector, she held a variety of roles but also worked on important issues such as public safety, improving access to higher education, and the importance of public service. As Lt. Governor of Maryland, the first woman in this role, Townsend had direct command over a variety of major cabinet departments. In her previous role as U.S. Deputy Assistant Attorney General, she worked diligently on the Police Corps, a program granting higher education scholarships to those who pledged to work as police officers. Townsend is a member of the Council of Foreign Relations, the Inter-American Dialogue and serves on the boards of the John F. Kennedy Library Foundation, the Robert Kennedy Memorial, and the Brady Campaign. She is the author of *Failing America's Faithful: How Today's Churches Are Mixing God with Politics and Losing Their Way* (2007). She has taught at the University of Pennsylvania, the University of Maryland, and St. Mary's College (MD) and is currently a visiting fellow at Harvard Kennedy School of Government and adjunct professor at Georgetown University's McCourt School of Public Policy. She has appeared on *Meet the Press*, *The Colbert Report*, *Larry King Live*, and *On the Record with Greta Van Susteran*. She is the eldest child of U.S. Senator and Attorney General Robert F. Kennedy and Ethel Kennedy.



The Courage to Care, the Strength to Serve

Marking the 11th anniversary of Scholarship and Creative Arts Days (SCAD) — the SCAD committee is pleased to announce that Kathleen Kennedy Townsend will be our 2018 Keynote Speaker.

Kathleen Kennedy Townsend, former governor of Maryland and the daughter of Robert F. Kennedy will present her keynote address entitled “the courage to care, the strength to serve” on April 24, 2018 at 11 am in Gible Auditorium. She will discuss her pioneering efforts to incorporate community contribution and service into the educational model for the curricula of the state of Maryland, as well as the importance and significance of service in education.



Keynote Event

**Gible
Auditorium**

**11:00 AM to
11:50 AM**

Book Signing

**Brossman Commons
Room 200**

**12:00 PM to
12:30 PM**

11th Annual Scholarship and Creative Arts Days



Session I 8:00 AM-9:30 AM

Education		Junior Honors Candidates Poster Session		N-127
8:00 AM	Junior Honors Candidates Poster Session	Panel Moderator(s): Dr. Elizabeth Coyle		# 1
Presenters:	Kelly Barnett, Kayla Hall, Rebekah Kroll, Amy Lieberman, Katey Mowery, Madisyn Palmer	Mentor: Dr. H. Elizabeth Coyle		
Education		Junior Honors Candidates Poster Session		N-129
8:00 AM	Junior Honors Candidates Poster Session	Panel Moderator(s): Dr. Elizabeth Coyle		# 2
Presenters:	Gabby Anders, Kendra Fix	Mentor: Dr. H. Elizabeth Coyle		
Education		Junior Honors Candidates Poster Session		N-131
8:00 AM	Junior Honors Candidates Poster Session	Panel Moderator(s): Dr. Elizabeth Coyle		# 3
Presenters:	Sean McCubbin, Angela Wesneski	Mentor: Dr. H. Elizabeth Coyle		
PPLS		Case Studies in Applied Philosophy		N-202
8:00 AM	Your Doctor Knows Best but That's Between You and Your Doctor: a Case Study of the Complications and Contradictions Between Autonomy and Patient Privacy of Minors	Panel Moderator(s): Dr. Alexandria K. Poole		# 8
Presenter:	Zachary Gibbons	Mentor: Dr. Alexandria Poole		
8:20 AM	Confronting Digital Alienation and the Internet of Things: Digital Spatial Dialects in the Global Sharing Economy for Socio-Ecological Well-Being			# 9
Presenter:	Michael Derr-Haverlach	Mentor: Dr. Alexandria Poole		
8:40 AM	The Presence and Nature of Brutality in Law Enforcement: Resisting Troubling Realities Within the American Justice System			# 10
Presenter:	Patrick Oursler	Mentor: Dr. Alexandria Poole		
9:00 AM	Case Study on Jane Jacob's Idea of City Diversity: How Community Involvement in Lancaster, Pennsylvania Affects Gentrification			# 11
Presenter:	Brendan Bevel	Mentor: Dr. Alexandria Poole		
English		Gender/Trouble/Coercion: Theory and Literature		N-210
8:00 AM	Gender Trouble in Virginia Woolf's <i>Orlando</i>	Panel Moderator(s): Dr. Kimberly VanEsveld Adams		# 15
Presenters:	Elizabeth Hendershot, Lauren Trevino, Katherine Campbell	Mentor: Dr. Kimberly Adams		
8:40 AM	Freedom From: Michel Foucault's <i>Discipline and Punish</i> and Margaret Atwood's <i>The Handmaid's Tale</i>			# 16
Presenter:	Katherine Campbell	Mentor: Dr. Kimberly Adams		

English	Performance	N-210
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9:00 AM	"The Convert's Farewell": A Scene from an Original Full-Length Play	# 17
Presenters:	Tyler Rossi, Quintin George, Dante Sarracino, David Callahan	Mentor: Dr. John Rohrkemper

Religious Studies	Religion in Public Life Paper Presentation	N-228
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Panel Moderator(s): **Dr. Richard Newton**

8:00 AM	Think E-Town: Building Empathy through the Public Study of Religion	# 19
Presenter:	Sabria Fountain	Mentor: Dr. Richard Newton

8:40 AM	Cancer as a Religion	# 20
Presenter:	Marlee Schwalm	Mentor: Dr. Richard Newton

PPLS	Paper Presentations	N-232
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8:00 AM	The Role of the Media in Trump's Victory and Presidency	# 22
Presenter:	Matthew Pysher	Mentor: Dr. Dan Chen

8:20 AM	Rhetorical Strategies in Reducing Political Polarization: The Case of Thailand	# 23
Presenter:	Maya Aphornsuvan	Mentor: Dr. Dan Chen

8:40 AM	Disparities in Mental Health Treatment for Chinese Migrant Workers	# 24
Presenter:	Sara Allocco	Mentor: Dr. Dan Chen

9:00 AM	Economic, Social, and Political Ramifications of China's One Child Policy	# 25
Presenter:	Paige Oustrich	Mentor: Dr. Dan Chen

Business	Applied Family Business Research	H-211
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Panel Moderator(s): **Dr. Petru Sandu**

8:00 AM	Family Business Professionalization Processes	# 27
Presenters:	Megan Stone, Allie Slate, Patrick Oursler	Mentor: Dr. Petru Sandu

8:20 AM	Designing Effective Family Business Boards and Family Governance	# 28
Presenters:	Jamil Pines-Elliott, Jaill Pines-Elliott, William Jackson, Michael Pastore	Mentor: Dr. Petru Sandu

8:40 AM	Assessing the Level of Entrepreneurship in Family Businesses	# 29
Presenters:	Francesca Galarza, Nickolas Levin, Santiago Garcia Ruiz, Alessandro Berti	Mentor: Dr. Petru Sandu

9:00 AM	Managing Family Dynamics and Family Conflicts	# 30
Presenters:	Brandon Wissler, Jeff Gamble, Brennan Snyder, Zac Knapp	Mentor: Dr. Petru Sandu

Social Work	Paper Presentation	H-212
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8:00 AM	Caregiver Perceptions of Services and the Intake Process for their Loved One's with an Autism-Only Diagnosis	# 35
Presenter:	Ashley Boland	Mentor: Dr. Susan Mapp

Communications	Perspectives of "The Other": International Communications from a Global Perspective	H-212
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Panel Moderator(s): **Colin Helb**

8:40 AM	Perspectives of "The Other": International Communications from a Global Perspective	# 36
Presenters:	Tara Siano, Jaime Ramos	Mentor: Dr. Colin Helb



Biology Honors in the Discipline

Biology

H-213

Panel Moderator(s): **Dr. Jodi Yorty**

8:00 AM	Characterization of Saccades to Moving Targets	# 40
Presenter:	Ryan Kenney	Mentor: Dr. Aaron Cecala
8:15 AM	Motor Learning Using Eye Movements to Moving Targets	# 41
Presenter:	Aaron Rathsam	Mentor: Dr. Aaron Cecala
8:30 AM	Characterizing Mutu Dendritic Cells in Response to Maturation Ligands	# 42
Presenter:	Eric Zimmerman	Mentor: Dr. Jodi Yorty
8:45 AM	Correlation of SAM68 Levels to SF2-Mediated Alternative Splicing of RON in Human Diploid Fibroblasts Transformed Cells	# 43
Presenters:	Jenna Aumiller, Meghan Dolan	Mentor: Dr. Jane Cavender
9:00 AM	The Effect of Oncogene Expression and Confluence on Alternative Splicing Factor 2 (SF2) Levels in Human Diploid Fibroblast Cells	# 44
Presenter:	Anushka Katikaneni	Mentor: Dr. Jane Cavender
9:15 AM	Testing Protocols for CRISPR/Cas9 Editing in Hydra	# 45
Presenter:	Brady Morgan	Mentor: Dr. Diane Bridge

Sociology and Anthropology

H-214

8:00 AM	Jays of a Feather Flock Together: An Evaluation of the Student-Athlete Mentor Program at Elizabethtown College	# 50
Presenter:	Katie Thompson	Mentor: Dr. Michele Lee Kozimor-King
8:40 AM	Global Jays: Student Perspectives of Study Abroad at Elizabethtown College	# 51
Presenter:	Alyssa Vielee	Mentor: Dr. Michele Lee Kozimor-King

PPLS

Paper Presentation

N-204

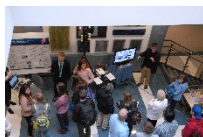
8:00 AM	Political Science Research Methods: Campus Survey Results	# 52
Presenters:	Ana Alcantara, Frank Coster, Samantha Dickson, Abigail Evans, Joey Kobus, Alec Miller, Nadia Mourtaj, Caitlin Olivas, Amanda Ralff, James Spearman, Alissa Stoneking, Kory Trout	Mentor: Dr. April Kelly-Woessner

Engineering

Poster

Masters Atrium

8:00 AM	Automated Solar Panel Cleaner	# 55
Presenters:	Erich Holtzer, Zach Dennin, Michael Hofstedt	Mentor: Dr. Brenda L Daily
8:00 AM	Programmable Basketball Rebounding Machine	# 56
Presenters:	Tasin Choudhury, Nathan Copros, Ryan Shick, Patrick Durofchalk	Mentor: Dr. Joseph Wunderlich
8:00 AM	Engine Valve Optimization Utilizing Camless Technology	# 57
Presenters:	Martin Rodgers, Jacob Marunich, Kyle Coats, Gabriel MacDonald	Mentor: Dr. Kurt DeGoede
8:00 AM	Wind Turbine for the Gambia	# 58
Presenters:	Gaia Lazzarini, Alyssa Pumputis, Haley Vozzella, Josh Buel, Dillon Dotson	Mentor: Dr. Kurt DeGoede



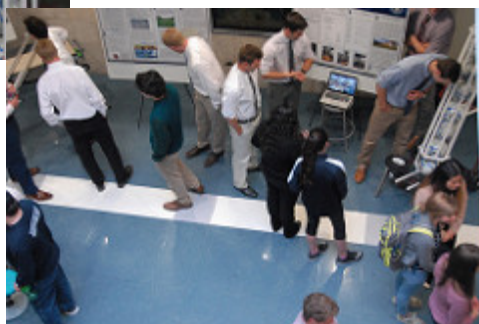
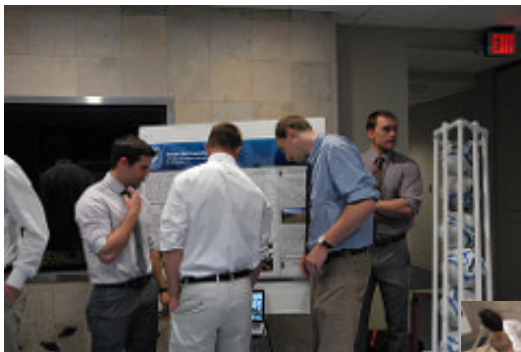
Engineering Capstone Projects

Engineering

Masters Atrium

Panel Moderator(s): **Engineering faculty**

8:00 AM Presenters:	Vision Sense - A Device to Help the Visually Impaired Matthew Koerber, Jon Lane, Mitchell Schlegel, Otis Statham, Robert Wilcox	# 59 Mentor: Dr. Sara Atwood
8:00 AM Presenters:	Self-Sustaining Aquaponics System Aleeyah Colbert, Taylor DeBlock, Nolan Ovelman	# 60 Mentor: Dr. Tomás Estrada
8:00 AM Presenters:	Automated Bike Checkout System David Foery, Jordan Nelson, Antonio Pacelli, Andruw Szczawinski	# 61 Mentor: Dr. Tomás Estrada
8:00 AM Presenters:	Automated Fish Tank System Sam Ortiz, Victoria Tassallo	# 62 Mentor: Dr. Tomás Estrada
Engineering	Posters	Masters Atrium
8:00 AM Presenter:	Engineering Sophomore Design Community-Based Projects Olivia M Beachley, Andrew S Brndjar, Brendan A Burke, Madison P Burnham, Guadalupe Carnero, Chris Carr, Will IV Connolly, Damon R Edwards, Dallas Fleck, Thomas Anthony Giorgi, Henry Golden, Brandon J Huey, Connor Martin, Collin R McGovern, Samantha A McNulty, Grant P Michal, Alberto Miguez Dominguez, Scott Nizolak, Anna A Novak, Annie J Novy, Dan S Patterson, Robert Pavlik, Kyle A Pienik, Alyssa M Pumputis, Curtis R Reynolds, V. Ryan R Rippeon, Michael Ryzuk, Kendall G Sargent, Elle E Shatto, Cooper W Siegel, Tyler D Spinello, Catherine A Stencler, Kyla M Strickler, Lianne Uroda, Robert T Wilcox, Travis P Wilson	# 63 Mentors: Dr. Brenda L Daily, Dr. Tomás Estrada



Session II 9:30 AM-10:50 AM

Honors in Education Symposium

Education

N-106

Panel Moderator(s): **Dr. Rachel Finley-Bowman**

9:30 AM	How Do Current World History Curricula Map to a Global Perspective Approach to Multicultural Education?	# 70
Presenter:	Gillian Engelbrecht	Mentor: Dr. Rachel Finley-Bowman
10:10 AM	Building Political Tolerance in a World of Intolerance	# 71
Presenter:	Jennifer Lloyd	Mentor: Dr. Rachel Finley-Bowman

History

Posters/Digital Humanities

N-127

9:30 AM	Honors City as Text: Elizabethtown Borough Historic Preservation Project	# 75
Presenters:	Benjamin Erickson, Shannon Clarke, Michael Derr-Haverlach, Emmett Ferree, Thomas Holcomb, Meghan Kenney, Megan Kuczma, Caitlin Rossiter, Timothy Witmer, Aprille Mohn, Sofia Jurado	Mentor: Mr. Jean-Paul Benowitz

PPLS

Paper Presentation

N-202

9:30 PM	When Good Faith Breaks: How Environment Decides the Composition of Irredentist Conflict	# 80
Presenter:	Kayla Gruber	Mentors: Dr. E. Fletcher McClellan, Dr. Oya Ozkanca
9:50 AM	The Effects of Comprehensive Sex Education on Rates of Teen Pregnancy and Sexually Transmitted Infections	# 81
Presenter:	Janel Myers	Mentor: Dr. E. Fletcher McClellan
10:10 AM	RT "@Realdonaldtrump: The Social Media Presidency"	# 82
Presenter:	Nicole McGlynn	Mentor: Dr. E. Fletcher McClellan
10:30 AM	Juggling the Judiciary: President Obama's Legacy of Revolutionary Revolution	# 83
Presenter:	Amanda Hafler	Mentor: Dr. E. Fletcher McClellan

English

Paper Presentations

N-210

9:30 AM	Radical Revisions: Reaching an Audience through Multimodal Composition	# 85
Presenters:	Janelle Barna, Brittany Freed, Sara Lingo	Mentor: Ms. Erica Dolson
10:10 AM	Pesticide Use and the Environment: A Writing Project	# 86
Presenter:	Julia Chojnacki	Mentor: Ms. Erica Dolson
10:30 AM	The Storm Was Not Just Any God: The Divine Feminine in <i>Their Eyes Were Watching God</i>	# 87
Presenter:	Sam Friedline	Mentor: Dr. John Rohrkemper

Religion in Public Life

Religious Studies

N-228

Panel Moderator(s): **Dr. Richard Newton**

9:30 AM	Excavating Religion from Ethnocentrism	# 90
Presenter:	Jessica Royal	Mentor: Dr. Richard Newton
10:10 AM	Maya Clare Cares About Religion	# 91
Presenter:	Maya Clare Aphornsuvan	Mentor: Dr. Richard Newton



Terrorism and Counterterrorism Panel 1**PPLS****N-232**Panel Moderator(s): **Dr. Oya Ozkanca**

9:30 AM	International Approaches to Counterterrorism	# 95
Presenters:	Sara Allocco, Francis Coster, Samantha Dickson	Mentors: Dr. Oya Ozkanca, Dr. John Craig
9:50 AM	State Sponsors of Terrorism: How Nations Get on the List What Can Be Done About It	# 96
Presenter:	Brendan Bevel	Mentors: Dr. Oya Ozkanca, Dr. John Craig
10:10 AM	An Examination of the 2004 Madrid Train Bombings	# 97
Presenters:	Daniel Gittis, Alec Miller, Ana Alcantara, Hugh McLaughlin	Mentors: Dr. Oya Ozkanca, Dr. John Craig
10:30 AM	Globalization's Impact on Terrorist Financing	# 98
Presenters:	Nathaniel Groff, Sabria Fountain	Mentors: Dr. Oya Ozkanca, Dr. John Craig

Applied Family Business Research**Business****H-211**Panel Moderator(s): **Dr. Petru Sandu**

9:30 AM	H&H Chevrolet and Cadillac - A Family Business Case Study	# 100
Presenters:	Natalie Nye, David Callahan, Maggie Fees, James Spearman, Juan Fernando Mora	Mentor: Dr. Petru Sandu
9:50 AM	The Flower Station - A Family Business Case Study	# 101
Presenters:	Kevin Meakim, Jonathan Allen, Kenneth Washington	Mentor: Dr. Petru Sandu
10:10 AM	Maxwell Levin Insurance - A Family Business Case Study	# 102
Presenters:	Nickolas Levin, Francesca Galarza, Chris Reynolds, Isaac Garrett	Mentor: Dr. Petru Sandu
10:30 AM	How Far Have They Come? An Analysis of the LDC's of Sub-Saharan Africa and Southern Asia and the Sustainable Development Goals	# 103
Presenter:	Kristen Flaherty	Mentor: Dr. Sanjay Paul

Film Genre, Representation, and Analysis**Film Studies****H-212**Panel Moderator(s): **Dr. Colin Helb**

9:30 AM	A Look at the Indiana Jones Franchise Through a Feminist Lens	# 105
Presenter:	Leo Costello	Mentor: Dr. Colin Helb
9:50 AM	Inglourious Basterds: An Introspection at the Vague Morality of Man	# 106
Presenter:	Quintin George	Mentor: Dr. Colin Helb
10:10 AM	Dario Argento's Contributions to the Giallo Genre	# 107
Presenter:	Lucas Garges	Mentor: Dr. Colin Helb

Engineering**Presentation and Product Demonstration****H-213**

9:30 AM	Emat (Electronic Motor Assessment Tool)	# 110
Presenter:	Joshua Fishman	Mentor: Dr. Kurt DeGoede

Mathematical Sciences**Paper Presentation****H-213**

9:50 AM	Proofs in the Classroom: Introducing Geogebra as an Intuition-Building Tool	# 111
Presenter:	Angela Wesneski	Mentor: Dr. Gabriela Sanchis
10:10 AM	Monopoly as an Application of Markov Chains	# 112
Presenter:	Emily Overfield	Mentor: Dr. Leyla Batakci

Sociology and Anthropology

H-214

9:30 AM	I Read the (Fake) News Today, Oh Boy: The Effects of Race, Age, and Social Media Use on Confidence in The Press	# 115
Presenter:	Delaney Dammeyer	Mentor: Dr. Michele Lee Kozimor-King
9:50 AM	Spending Green to Go Green: The Effects of Political Ideology, Sex, and Spirituality on Views of U.S. Government Spending on the Environment	# 116
Presenter:	Zachary Gibbons	Mentor: Dr. Michele Lee Kozimor-King
10:10 AM	Tell God I Quit: The Effects of Social Connectedness and Spirituality on Views of Suicide	# 117
Presenter:	Stevie Caronia	Mentor: Dr. Michele Lee Kozimor-King
10:30 AM	The "F" Word No One Wants to Hear: The Effects of Sex and News Source on Views of Police Use of Force	# 118
Presenter:	Emily Modrak	Mentor: Dr. Michele Lee Kozimor-King

Biology

Art Work

Masters Atrium

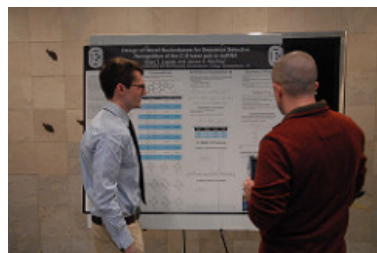
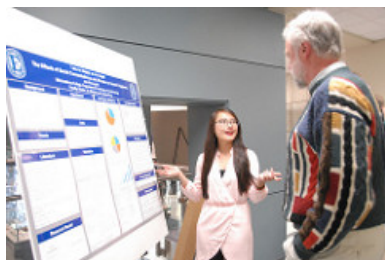
9:30 AM	Crayfish Whisperers	# 120
Presenter:	Mo Kalmbacher	Mentor: Dr. Anya Goldina

Biology

Poster

Masters Atrium

9:30 AM	Behavioral Response of the Invasive Crayfish <i>Orconectes Rusticus</i> to Opposite-Sex Chemical Signals.	# 121
Presenter:	Mo Kalmbacher	Mentor: Dr. Anya Goldina
9:30 AM	Testing the Effects of Light Pollution on Growth and Intraspecific Competition in Common Milkweed, <i>Asclepias Syriaca</i>	# 122
Presenter:	Elizabeth DiBiase	Mentor: Dr. David Bowne
9:30 AM	Fecal Matter Transplants: Determining the Best Preservation Method for Fecal Matter	# 123
Presenters:	Yanellis Bonano, Cecelia Martin	Mentor: Dr. Debra Wohl
9:30 AM	Manipulating Sulfur in Agricultural Soils to Stimulate Sulfur-Based Autotrophic Denitrification and Other Changes in Microbial Community Composition	# 124
Presenters:	Soz Al absi, Alexandra Charnigo	Mentors: Dr. Debra Wohl, Dr. Brenda L Daily
9:30 AM	Use of a Short Hairpin RNA to Reduce Expression of an Amyloid Precursor Protein in Hydra	# 125
Presenter:	Jason Weitzman	Mentor: Dr. Diane Bridge
9:30 AM	39 and Me: Single Nucleotide Polymorphisms Associated with Physical Differences in Morphologically Different Dogs	# 126
Presenters:	Willow Bystrom, Emma Frennborn, Grace Gibson, Makensie Kilby, Carli Monostra, Jessica Rubelmann, Ryan Runkle, John Sterbens, Hailey Strohl	Mentor: Dr. Diane Bridge
9:30 AM	Conversion of Conventional Microscopes to Fluorescence Microscopes	# 126
Presenters:	Robert Wilcox, Austin Reth	Mentors: Dr. Diane Bridge, Dr. Sara Atwood



Chemistry and Biochemistry		Masters Atrium
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9:30 AM	Design and Synthesis of Triazole Containing PNA Monomers Capable of Triplex Formation with the A-U Base Pair in Double-Stranded RNA	# 127
Presenter:	Amanda Williams	Mentor: Dr. James MacKay
9:30 AM	Luminescent Metal-Organic Frameworks Containing Osmium or Rhenium Transition Metal Complexes: Synthesis and Photophysical Properties	# 128
Presenters:	Steven Reehl, Kaitlyn Jacoby	Mentors: Dr. Jeffrey Rood, Dr. Kristi Kneas
9:30 AM	Solvent-Dependent Photophysical Properties of Luminescent Metal-Organic Frameworks Doped with Polypyridyl Osmium Carbonyl Complexes	# 129
Presenter:	Kayla Hess	Mentors: Dr. Jeffrey Rood, Dr. Kristi Kneas
9:30 AM	Development of a Lateral Flow Assay for Aqueous Mercury Detection Using Rhodamine B Derivatives and Polymer Nanoparticles	# 130
Presenter:	Lacey Mac-Rhyann	Mentor: Dr. Lauren Gibson
9:30 AM	Synthesis of Giant Unilamellar Vesicles for Use in Studying the Role of Lipids in the Cellular Membrane	# 131
Presenter:	Colby Schweibenz	Mentor: Dr. Thomas Hagan

Engineering	Design Competition-Solar Car Race	Track Infield
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	Egr192 Design Competition	# 133
Presenters:	Jonathan Allen, Adam Bogobiri, Gina Bongiovanni, Benjamin Brown, Reed Browning, Kyle Bythell, Edwin Cassilly, Alejandro Chicas, Julia Chojnacki, Arielle Cox, Austin Dolaway, John Duttonhofer, Lindsey Fasolo, Andrew Fisher, Ryan Fisher, Amy Frasch, Jonathan Freaney, Madison George, Andrea Grey, Evan Heimbach, Ethan Henry, Matthew Hetrick, Peyton Hulyo, Benjamin Ishak, Alexander Koontz, Allison Lasky, Alec Leslie, Ean Mann, Zachary Martin, Scott Nizolak, Hameedah Odusanya, Thomas Palen, Alex Pecher, Michael Rajnik, Hunter Reiner, Jackson Rhodes, Joseph Sarich, Ethan Schneider, William Schoener, Arley Shepherd, Cody Snyder, Morgan Sommers, Cameron Sydorko, Scott Tevis, Jorge Tirado, Robert Wilcox, Clark Williamson	Mentors: Dr. Brenda L Daily, Dr. Kurt DeGoede

Religious Studies	POP-UP Museum Exhibit	N-127
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1:00 PM	Signifying Religion: An African American Worldview POP-UP Museum (set up only)	# 138
Presenter/ Contributor:	Chaniqua Estrada, Kelly Holdren, Lauryn Mitchell, Morgan Taylor, Nadia Mourtaj, Celine Velazquez Anushka Katikaneni, E. Rider Brandau, Elise Stendal	Mentors: Dr. Richard Newton



Session III 1:00 PM-3:00 PM

Honors in Education Symposium		
Education	Paper Presentation	N-106
Panel Moderator(s): Dr. Elizabeth Coyle		
1:00 PM	Prioritizing the Delivery of Services to Students Who are Homeless and Have Special Education Needs	# 135
Presenter:	Emily Nolte	Mentor: Dr. H. Elizabeth Coyle
Honors in Education Symposium		
Education		N-106
Panel Moderator(s): Dr. Shannon Haley-Mize		
1:40 PM	Examining the Impact of Cooperative Learning Groups on Social Interactions in Inclusive Classrooms	# 136
Presenter:	Kendra Strickler	Mentor: Dr. Shannon Haley-Mize
Honors in Education Symposium		
Education	Paper Presentation	N-202
Panel Moderator(s): Dr. Elizabeth Coyle		
2:20 PM	Using PK-12 Pre-Service Teacher Pedagogical Content Knowledge and Informal Science Learning Environments to Construct, Implement, and Evaluate Authentic and Relevant Integrated STEM Learning Opportunities	# 144
Presenter:	Ryan Thomas	Mentor: Dr. Peter Licona
War and Violence in Modern British Literature: At the Front, at Home		
English		N-210
Panel Moderator(s): Kimberly VanEsveld Adams		
1:00 PM	Revisiting "The Old Lie": Life in the Trenches Through Poetry by Wilfred Owen	# 150
Presenter:	Sam Friedline	Mentor: Dr. Kimberly Adams
1:20 PM	Septimus Warren Smith's Shell Shock: The Failure of Psychological Medicine After World War I	# 151
Presenter:	Sarah Kaden	Mentor: Dr. Kimberly Adams
1:40 PM	Angela Carter's "Ashputtle, Or The Mother's Ghost": A Dark and Twisted Rebooting of "Cinderella"	# 152
Presenters:	Emily Seiser, Haley Ricker	Mentor: Dr. Kimberly Adams
Shards of Memory: Excerpts from Student Memoirs		
English	Reading	N-210
Panel Moderator(s): Dr. David Downing		
2:00 PM	Maternal	# 153
Presenter:	Hannah Edwards	Mentor: Dr. David Downing
2:20 PM	May Contain Alcohol	# 154
Presenter:	John Standke	Mentor: Dr. David Downing
2:40 PM	Visions And Revisions	# 155
Presenter:	Emily Derois	Mentor: Dr. David Downing
From Anime to Zen		
Modern Languages		N-228
Panel Moderator(s): Dr. Mahua Bhattacharya		
1:00 PM	Approaches to Japanese Historiography	# 160
Presenter:	Robert Walker	Mentor: Dr. Mahua Bhattacharya
1:20 PM	Analyzing 'Daughter of Evil'	# 161
Presenter:	Margaret Grusse	Mentor: Dr. Mahua Bhattacharya
1:40 PM	The Yasukuni Shrine Controversy	# 162
Presenter:	Amanda Ralff	Mentor: Dr. Mahua Bhattacharya

Modern Languages: Japanese Senior Theses

Modern Languages

N-228

Panel Moderator(s): **Dr. Nobuaki Takahashi**

2:00 PM	The More the Merrier: Opposition Parties in Japan	# 163
Presenter:	Victoria Edwards	Mentor: Dr. Nobuaki Takahashi
2:20 PM	The Decreasing Gap Between Japanese and American Marketing Strategies Differences	# 164
Presenter:	Holly Stegna	Mentor: Dr. Nobuaki Takahashi
2:40 PM	The History of Medical Malpractice in Japan and Recommendations Based on the Laws of Foreign Nations	# 165
Presenter:	Jessica Loving	Mentor: Dr. Nobuaki Takahashi

Terrorism and Counterterrorism Panel 2

PPLS

N-232

Panel Moderator(s): **Dr. Oya Ozkanca**

1:00 PM	The Rise of Hezbollah: From Terrorist Group to Political Power	# 170
Presenters:	Matthew Pysher, Kayla Gruber, Maya Aphornsuvan	Mentors: Dr. Oya Ozkanca, Dr. John Craig
1:20 PM	Triumph or Folly: The Patriot Act	# 171
Presenter:	Kyle Schaeffer	Mentors: Dr. Oya Ozkanca, Dr. John Craig
1:40 PM	Marketing Terrorism: Aum Shinrikyo's Cult Following in Post-Soviet Russia	# 172
Presenters:	Cassandra Hoben, Joey Kobus, James Spearman, Marc Unger	Mentors: Dr. Oya Ozkanca, Dr. John Craig
2:00 PM	Declaration of the Modern (Faux) Caliphate: Understanding the Importance of Mosul to Is	# 173
Presenters:	Megan Marchetti, Matthew Smith, Kenneth Wallace	Mentors: Dr. Oya Ozkanca, Dr. John Craig
2:20 PM	The US Foreign Policy on the Israeli-Palestinian Conflict	# 174
Presenter:	Pareesa Zaman	Mentors: Dr. Oya Ozkanca, Dr. John Craig

Business

Paper Presentations

H-211

1:00 PM	The Macroeconomics of Dollarization: A Cross-Country Study of Inflation and Economic Growth in Ecuador and El Salvador	# 180
Presenter:	Lia Kopar	Mentor: Dr. Hossein Varamini
1:20 PM	Conscious Consumption and Grocery Store Buying Behavior: are Consumers Influenced by More Than Just Price?	# 181
Presenter:	Blair Hendricks	Mentor: Dr. Hossein Varamini
1:40 PM	An Analysis of the Irish Tech Industry	# 182
Presenter:	Kealey Shyk	Mentor: Dr. Hossein Varamini
2:00 PM	An Analysis of the Investment Climate in the Financial Services Industry in Poland	# 183
Presenter:	Jeremy Eberly	Mentor: Dr. Hossein Varamini
2:20 PM	Incorporating Social Velocity in the Value-Momentum Model	# 184
Presenter:	Sean Fiedler	Mentor: Dr. Hongsong (Emma) Neuhauser



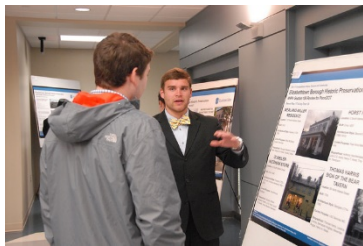
Fine and Performing Arts Paper Presentation		H-212
1:00 PM	Effect of Music Therapists' Interactions with Colleagues in Continuing Care Facilities	# 190
Presenters:	Lindsay Zumbrum, Olivia Grandal	Mentor: Dr. Gene Behrens
1:40 PM	Variables that Influences Stress and Coping Skills of Undergraduate Music Therapy Students	# 191
Presenters:	Rachel Suter, Celia Grove	Mentor: Dr. Gene Behrens
2:20 PM	Interactive Music-Making Strategies Based on Neuroscience to Socially Engage a Child with Autism	# 192
Presenter:	Lindsay Zumbrum	Mentor: Dr. Gene Behrens

Biology Paper Presentations		H-213
1:00 PM	Influence of Land Cover and Distance on Predation of Simulated Turtle Nests	# 195
Presenter:	Jannah Krause	Mentor: Dr. David Bowne
1:15 PM	Placida Paper: Turning Algae into Art	# 196
Presenter:	Maria Anderson	Mentors: Dr. David Bowne, Dr. Kristi Arnold
1:30 PM	Impact of Environmental Factors on Potential Nest Temperature of the Painted Turtle (<i>Chrysemys Picta</i>)	# 197
Presenter:	Alyssa Taylor	Mentor: Dr. David Bowne
1:45 PM	Evaluating Temporal Changes in Landscape Heterogeneity as an Influence on Freshwater Turtle Habitat in Lancaster County, Pennsylvania	# 198
Presenter:	Elizabeth DiBiase	Mentor: Dr. David Bowne

The Natural Lands of Elizabethtown College Panel Discussion		H-213
		Panel Moderator(s): David Bowne
2:00 PM	The Natural Lands of Elizabethtown College	# 199
Presenters:	Elliot Allen, Amelia Baker, Jessica Crouse, Elizabeth DiBiase, Carly Drennen, Caroline Fegley, Jess Fry, Mitchell Gochnauer, Delaney Nevills, Nick Savin, Samantha Shorzberger, Sandeep Saini	Mentor: Dr. David Bowne

Amish Life and Culture I Paper Presentation		H-214
		Panel Moderator(s): Dr. Conrad Kanagy
1:00 PM	Amish Funerals	# 200
Presenter:	Emily Modrak	Mentor: Dr. Conrad Kanagy
1:20 PM	The Amish Dairy Industry	# 201
Presenter:	Kacey Yeakel	Mentor: Dr. Conrad Kanagy
1:40 PM	The Amish Vote	# 202
Presenter:	Sean McCubbin	Mentor: Dr. Conrad Kanagy
2:00 PM	Significance of Quilt-Making in Amish Society	# 203
Presenter:	Stephanie Hanus	Mentor: Dr. Conrad Kanagy
2:20 PM	The Amish and Nickle Mines	# 204
Presenter:	Sarah Allocco	Mentor: Dr. Conrad Kanagy
2:40 PM	Genetic Diseases within Amish Communities and the Methods Used to Address Them While Staying True to their Culture and Traditions	# 205
Presenter:	Carli Monostra	Mentor: Dr. Conrad Kanagy

Education	Poster	Masters Atrium
1:00 PM	Enhancing Citizenship in the Elementary Classroom Using Peace Education Strategies	# 210
Presenters:	Samantha Weigle, Madisyn Palmer	Mentor: Dr. Rachel Finley-Bowman
Religious Studies	Poster	Masters Atrium
1:00 PM	Religion in the Public Schools	# 213
Presenter:	Rachel Liszkiewicz	Mentor: Dr. Richard Newton
1:00 PM	History of Interfaith: A Geographic (GIS) Information System	# 214
Presenter:	Amanda Herzog	Mentors: The Rev. Tracy Sadd, Dr. David Bowne
1:00 PM	Music for the Interfaith Movement	# 215
Presenter:	Amanda Maher	Mentor: The Rev. Tracy Sadd
Occupational Therapy	Poster	Masters Atrium
1:00 PM	Lymphatouch as a Tool for Manual Lymph Drainage in the Treatment of Lymphedema	# 216
Presenter:	Karlie Kimball	Mentor: Dr. Daniel Panchik
1:00 PM	In-Home Hospice Nursing: A Qualitative Analysis Using the Model of Human Occupation (MOHO)	# 217
Presenter:	Courtney Schauer	Mentor: Dr. Nancy Steadman
1:00 PM	Parent and Child Perspectives: Applying MOHO to Assess Inclusion Outcomes in Unified Sports	# 218
Presenters:	Hannah Beatty, Lauren Helmig	Mentor: Dr. Nancy Steadman
1:00 PM	Gender Differences in Brain Development in Children Who Have Experienced Trauma	# 219
Presenter:	Brenna McNamee	Mentor: Ms. Christine Achenbach



Session IV 3:10 PM-5:10 PM

Master's In Special Education Panel Paper Presentation N-106

Panel Moderator(s): **Dr. Shannon Haley-Mize**

3:10 PM	Master's in Special Education Candidates Panel Presentation	# 225
Presenters:	Deysy Salgado, Ashlee Punte, Allison McLamb, Samantha Zarzaca	Mentor: Dr. Shannon Haley-Mize
3:50 PM	Master's in Special Education Candidates Panel Presentation	# 226
Presenters:	Kirstin Blass, Samantha Fellner, Samantha Gehly	Mentor: Dr. Shannon Haley-Mize

Anglo Saxon Poetry N-202

Panel Moderator(s): **Dr. Louis Martin**

3:50 PM	Theatrical and Motivational: Speeches in "The Battle Of Maldon"	# 230
Presenter:	Samantha Romberger	Mentor: Dr. Louis Martin
4:10 PM	The Swords and Armor of Beowulf	# 231
Presenter:	Elizabeth Gipe	Mentor: Dr. Louis Martin
4:30 PM	Virginity and Heroism of the Old English Judith	# 232
Presenter:	Olivia Mathers	Mentor: Dr. Louis Martin
4:50 PM	Women in "Beowulf" and the Comprehensive Picture of Anglo-Saxons and Human Nature They Provide	# 233
Presenter:	Colleen Sheridan	Mentor: Dr. Louis Martin

Honors in the Discipline, English Paper Presentation N-210

Panel Moderator(s): **Tara Moore and Kimberly Adams**

3:10 PM	What's the Point?: All-Women's Schools in Literature and Film	# 235
Presenter:	Jerica Shuck	Mentors: Dr. Kimberly Adams, Dr. Tara Moore,
3:30 PM	Writing Fish Tales: The Process of Drafting and Revising a Middle-Grade Fantasy Novel	# 236
Presenter:	Megan Kane	Mentors: Dr. Tara Moore, Dr. Kimberly Adams

Writing for Clients N-210

Panel Moderator(s): **Dr. Tara Moore**

3:50 PM	Usability Testing: Using Technical Writing to Find Out What Works (And What Doesn't)	# 237
Presenters:	Anna Sorrentino, Noah Abbe	Mentor: Dr. Tara Moore
4:10 PM	Designing Book Layouts and Serving Underprivileged Elementary School Students in Word, Web And Design	# 238
Presenter:	Jerica Shuck	Mentor: Dr. Tara Moore

Modern Languages N-228

Paper Presentation

3:10 PM	Work-Life Balance in the United States and France: A Cultural and Historic Analysis of Economic and Social Metrics	# 240
Presenter:	Blair Hendricks	Mentor: Dr. Vanessa Borilot



Peace and Conflict Studies: Field Research Reports from the Philippines, Zanzibar, and Japan

N-228

Panel Moderator(s): **Jon Rudy, Peacemaker-in-Residence**

3:30 PM	Interfaith Discourse in Zanzibar: Seeking Peace in a Complex Society	# 241
Presenter:	Sam Epps	Mentor: Dr. David Kenley
3:50 PM	Coffee for Peace: Addressing Conflict in Mindanao, Philippines	# 242
Presenter:	Rachel Craft	Mentor: Dr. David Kenley
4:10 PM	World Conference of Religions for Peace: Understanding Japanese Perspectives on Peacemaking	# 243
Presenter:	Matthew Smith	Mentor: Dr. David Kenley

Interdisciplinary

Paper Presentation

N-228

4:30 PM	Spain Versus Catalonia: A Struggle for Independence	# 244
Presenter:	Jaime E. Ramos	Mentor: Dr. Kurt Barnada

Sustainability and Environmental Ethics

PPLS

N-232

Panel Moderator(s): **Alexandria K. Poole**

3:10 PM	A Pinch of Politics, a Dash of Disney: A Recipe for the Politics and Ethics of Food Allergy	# 245
Presenter:	Amanda Hafler	Mentor: Dr. Alexandria Poole
3:30 PM	A Liberation Conservation Ethic: Applying Liberation Ecology to Conservation Biology	# 246
Presenter:	Elizabeth DiBiase	Mentor: Dr. Alexandria Poole
3:50 PM	An Environmental Ethics Critique of the Ecology of Dams	# 247
Presenter:	Hannah Swope	Mentor: Dr. Alexandria Poole
4:10 PM	Exploring Sustainable Ethics to Address Poverty and Environmental Justice	# 248
Presenter:	Aubrey Maryniak	Mentor: Dr. Alexandria Poole

Fine and Performing Arts

Paper Presentations

H-211

3:10 PM	Puerto Rican Traditional Genres as Symbol Systems of History, Connection, and Communal Identity	# 255
Presenter:	Francesca Galarza	Mentor: Dr. Kevin Shorner-Johnson
3:30 PM	Singing into Shared Difference: Becoming a Multi-Ethnic, City-Centered Brethren Congregation	# 256
Presenters:	Hannah Paymer, Jennifer Hesse	Mentor: Dr. Kevin Shorner-Johnson
3:50 PM	Isicathamya Intervention: Ladysmith Black Mambazo and Apartheid South Africa	# 257
Presenter:	Marc Unger	Mentor: Dr. Kevin Shorner-Johnson

Communications

Paper Presentations

H-212

3:10 PM	Comparing Western and South Korean Celebrity Twitter Strategies	# 260
Presenter:	Tara Siano	Mentor: Dr. Kirsten Johnson

Occupational Therapy

Paper Presentations

H-213

3:10 PM	Making Dance Inclusive	# 265
Presenter:	Kelly Zielinski	Mentor: Dr. Terri Dennehy
3:30 PM	The Social Impact of Parkinson's Disease: A Qualitative Case Study	# 266
Presenter:	Molly Bartholomew	Mentor: Ms. Ann Marie Potter
3:50 PM	Promoting Meaningful Work: Using Allen's Cognitive Levels to Help Staff Understand People with Intellectual Disabilities	# 267
Presenter:	Sage Garvey	Mentor: Dr. Kerri Hample

Amish Life and Culture II

Sociology and Anthropology

H-214

Panel Moderator(s): Dr. Conrad Kanagy

3:10 PM	Amish with Disabilities	# 270
Presenter:	Jessica Cox	Mentor: Dr. Conrad Kanagy
3:30 PM	Amish in the Boardroom: Looking at Amish Success in Small Businesses	# 271
Presenter:	Joshua Baker	Mentor: Dr. Conrad Kanagy
3:50 PM	Crime Within the Amish Community	# 272
Presenter:	Hunter Klena	Mentor: Dr. Conrad Kanagy
4:10 PM	Simple Women: Amish Women's Societal Roles and Their Perceptions of Them	# 273
Presenter:	Stephanie Miller	Mentor: Dr. Conrad Kanagy
4:30 PM	Amish Identity	# 274
Presenter:	Emmett Pegan	Mentor: Dr. Conrad Kanagy
4:50 PM	Everyday Routines that Kill: Non-Sustainable Palm Oil and the Endangered Orangutan	# 276
Presenter:	Jessica Royal	Mentors: Dr. Conrad Kanagy, Dr. Elizabeth Newell

Psychology

Poster

Masters Atrium

3:10 PM	The Effects of Odor Imagery on Taste Perception	# 280
Presenter:	Kimberly Holbert	Mentor: Dr. Catherine Lemley
3:10 PM	Change Blindness and Eyewitness Testimony: The Effects of Threat and Non-Threat Objects	# 281
Presenter:	Kristie Hoppe	Mentors: Dr. Catherine Lemley, Dr. Michael Roy
3:10 PM	Color and Tactile Influences on the Butcher's Tongue Illusion	# 282
Presenter:	Emily Norton	Mentor: Dr. Catherine Lemley
3:10 PM	Water-Hand Illusion : An Extension of the Marble-Hand Illusion	# 283
Presenter:	Erin Mowery	Mentor: Dr. Catherine Lemley
3:10 PM	Meditation May Diminish the Symptoms of Postural Orthostatic Tachycardia Syndrome	# 284
Presenter:	Ally Killen	Mentors: Dr. Catherine Lemley, Dr. Michael Roy
3:10 PM	Associations Between Athletic Participation, Stress, and Anxiety in College Students	# 285
Presenters:	Cheryl Errichetti, Madison Lasko	Mentor: Dr. Elizabeth Dalton
3:10 PM	Examining Thinking Styles and Moral Foundations	# 286
Presenter:	Megan Kuzma	Mentors: Dr. Michael Roy, Dr. Jean Pretz
3:10 PM	The Accuracy of Witness Crime Duration Estimates Can Be Improved.	# 287
Presenter:	Holly Gasper	Mentor: Dr. Michael Roy

Fine and Performing Arts

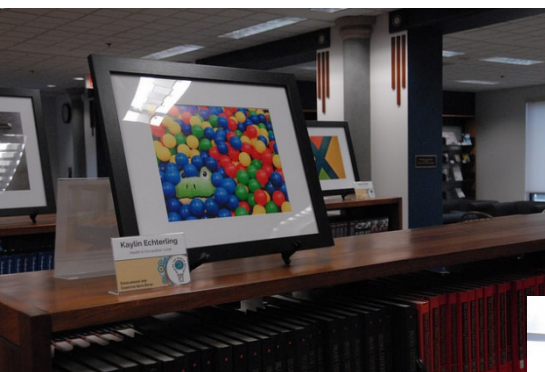
Poster

Masters Atrium

3:10 PM	Effect of Music Therapists' Interactions with Colleagues in Continuing Care Facilities	# 288
Presenters:	Lindsay Zumbrum, Olivia Grandal	Mentor: Dr. Gene Behrens
3:10 PM	Variables That Influence Stress and Coping Skills of Undergraduate Music Therapy Students	# 289
Presenters:	Rachel Suter, Celia Grove	Mentor: Dr. Gene Behrens

Sociology and Anthropology	Poster	Masters Atrium
3:10 PM	Subscribing to Social Research: Community-Based Research Provides Students With Research and Professional Skills	# 290
Presenters:	Quad Abdul-Aziz, Delaney Dammeyer, Zach Gibbons, Kyna Gibson, Stevie Caronia, Stephanie Hanus, Daniel Lauritzen, Elizabeth Marth, James McTighe, Emily Modrak, Emalie Rell, Dayna Stewart	Mentor: Dr. Michele Lee Kozimor-King

Communications	Art Work	High Library
Presenter:	Countenance	# 370
	Shane Bahn	Mentor: Dr. Katherine Hughes
Presenters:	Photographing the Senses	# 380
	Tyler Alansky, Emily Albright, Alessandro Berti, Conrad Bourdeau, Derek Burton, Taylor Cooney, Becca Crawmer, Kristen Flaherty, Zach Gibbons, Alex Good, Jennah Krause, Amanda Ralff, Bradley Schies, Hannah Seaver, Amber Sergas, Emma Varrato	Mentor: Dr. Katherine Hughes



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Scholarship and Creative Arts Days 2017



Anna Carper Excellence in Library Research Award 2017-2018

In 2009, the High Library, in honor of its 20th anniversary, inaugurated the Anna Carper Excellence in Library Research Award. The purpose of the program is to reward excellent scholarship by students enrolled in the First-Year Seminars who make valuable use of the print and electronic collections of the High Library as well as other available information resources. The Anna Carper Excellence in Library Research Award is supported by an endowment funded by the Carper Family and named after Anna M. Carper '41, Librarian of the College from 1960 to 1986.

Congratulations to this year's co-winners!

GRACE GIBSON

"Cocaine and the Dopamine Hypothesis of Addiction."
She was in Dr. Thomas Hagan's First-Year Seminar, *Gotta Have It: Exploring the Science of Addiction*.

"As a member of Dr. Hagan's "Science of Addiction" course, I had a challenging but ultimately rewarding FYS experience. My seminar allowed me the opportunity to explore the complex and multi-faceted topic of addiction via many different disciplines, which I believe will help me as I proceed with my education and my career. Writing my course paper was the culmination of my academic achievements in varied disciplines, as it required the synthesis of many scientific publications into a clear narrative. I am grateful to Dr. Hagan for the conclusions he helped me to reach, both within and outside of my paper, and for his role in advancing my education."



MATTHEW SMITH

"Militarism as a Theme in Nazi Education and Youth Organizations."

He was in Dr. Brian Newsome's First-Year Seminar, *World War II*.

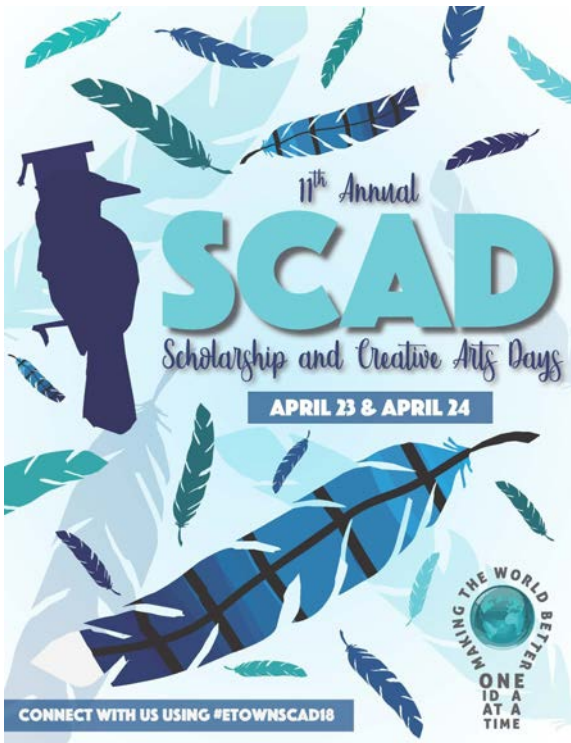
"My First-Year Seminar on World War II with Dr. Newsome taught me about the true effects of war not only on those fighting in Europe and the Pacific but also on the civilian populations that were affected by the fighting and on fringe political movement of the 1930s and 1940s. My research drew on a series of both primary and secondary sources that present and analyze the effects of Nazi militarism on children, especially in relation to their experiences in school and in the state-sponsored youth organizations."



Special thanks to this year's judges:

Dr. Chelsea Shields, Assistant Professor of History
Ms. Catherine Daubenspeck, English Dept. Faculty Member
Dr. Tomas Estrada, Assistant Professor of Electrical Engineering
Mr. Joshua Cohen, Instruction and Outreach Librarian

Cover by Kristen Wade '19



Congratulations to Kristen Wade '19, winner of the

2018 Scholarship and Creative Arts Day program cover contest!

Artist Statement: E-town's Scholarship and Creative Arts Day celebrates the amazing initiatives of all of the members of our Blue Jay community. It is a day when all of our feathers come together to showcase our excellence.
