

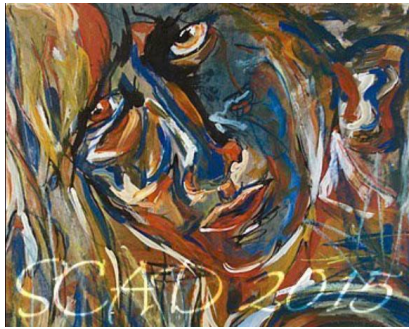


**8TH ANNUAL SCHOLARSHIP
AND
CREATIVE ARTS DAYS**
#etownscad15



Fourth Annual Symposium on Sustainability
Interdisciplinary **Gibble Auditorium**
Moderators: Dr. Tomás Estrada, Dr. Joseph Wunderlich

12:20 PM	Modeling and Testing of Engineered Drainage Tile for Nitrogen Removal	# 201
Presenters:	Daniel Gresh, Andres Hartman	Mentor: Dr. Brenda L. Daily
12:40 PM	Design of the Elizabethtown College Wellness Center	# 202
Presenters:	Kaylee Werner, Michael Graziano	Mentors: Dr. Patricia Likos Ricci Dr. Joseph Wunderlich
1:00 PM	Design of Health Clinics for Sierra Leone, Africa	# 203
Presenters:	Michael Graziano, Sarah Fay	Mentors: Dr. Joseph Wunderlich Dr. Patricia Likos Ricci
1:20 PM	Central Pennsylvania Food Bank Barrel Lift Assist	# 204
Presenters:	Dustin Cramer, Nathaniel Flickinger, Matthew Frey, Brandon Harris	Mentor: Dr. Sara Atwood
1:40 PM	Building Together with Nature	# 205
Presenter:	Christine Mrozek	Mentor: Dr. Patricia Likos Ricci
2:00 PM	Architectural Renderings and Animation of Nicarry Building	# 206
Presenters:	Brynne Kirsch, Brian Brennan	Mentors: Dr. Joseph Wunderlich
2:20 PM	Ten Minute Break	
2:30 PM	Compost System Design for West Africa Community Gardens	# 300
Presenters:	Matthew Jadro, Richard Meyers, Cozette Zimmerman	Mentor: Dr. Kurt DeGoede
2:50 PM	Floating Wireless Water Quality Sensor for Lake Placida	# 301
Presenters:	Tucker Strausbaugh, Kelvin Jerry, Kyler Killinger, Alexander Barrow	Mentor: Dr. Joseph Wunderlich
3:10 PM	Hydroponic Gardens for Elizabethtown College Dining Services	# 302
Presenter:	Andrew Khela	Mentor: Dr. Joseph Wunderlich
3:30 PM	Art/Egr499 Architectural Design Studio Selected Projects	# 303
Presenters:	Margaret L. Brace; Brian C. Brennan; Kelly A. Bresnowitz; Sarah E. Fay; Michael C. Graziano; Brynne R. Kirsch; Greyson P. McDonald; Joseph J. Wunderlich; Kaylee N. Werner, Christine Mrozek	Mentors: Dr. Patricia Likos Ricci, Dr. Joseph Wunderlich Brian Falcon AIA LEEP-AP



**8TH ANNUAL SCHOLARSHIP
AND
CREATIVE ARTS DAYS**
#etownscad15



Engineering	Paper Presentations	H-213
9:10 AM	Design of a Mobile Device for Streaming Music	# 29
Presenter:	Braden Rudesill	Mentor: Dr. Joseph Wunderlich
9:30 AM	Development of Neural Network Software	# 30
Presenters:	Josiah Buxton, Sajid Amir	Mentor: Dr. Joseph Wunderlich
Engineering	Posters	Masters Atrium
10:00 AM	Design of a Green Pavilion for the Elizabethtown College Campus	# 141
Presenters:	James Cohen, Christopher Pauzer, Cristian Salgado, Kaylee Werner	Mentor: Dr. Kurt DeGoede
10:00 AM	Community-Based Engineering Projects	# 142
Presenters:	Peter Bogush, Kyle Hakun, Jeffrey E. Light, Max C. Mahan, John Hollister, William E. Kenney, Michael J. Specht, Nicholas C. Specht, Nicholas A. Stratton, Seth G. Decker, Kevin R. Goreberg, Kimberly Kim, Kieran H. Koehler	Mentor: Dr. Sara Atwood
10:00 AM	Community-Based Engineering Projects	# 143
Presenters:	Hiroki Asakawa, Austin E. Frey, Phillip A. Kyger, Joshua A. McMahon, Jacob R. Sweger, Alex W. Chavez, Jamey S. Hogarth, Tyler J. Robbins, Michael Twist, Erin N. Clay, John P. Pacy, Joshua C. Rinehart, Luke S. Stephens	Mentor: Dr. Sara Atwood
10:00 AM	Community-Based Engineering Projects	# 144
Presenters:	Claude Youssef Abouneqm, Benjamin A. Martin, Gonzalo Miguez Dominguez, Nicholas G. Wagner, Brandon A. Diaz, Diep Ngoc Dinh, Julie A. Hess, Christian Peeters, Thomas C. Abell, Tyler J. Buskirk, Kyle M. Fackler, William J. Gushue	Mentor: Dr. Sara Atwood
10:00 AM	Soccer Ball Launcher	# 145
Presenters:	David Boretti, Eric Borkowicz, Andres Hartman, Cesar Rojas, Justin Signora, Dylan Sisler	Mentor: Dr. Tomás Estrada
10:00 AM	Design of an Autonomous Path Following Vehicle: A Multidisciplinary Research Project	# 146
Presenter:	Martin Fevre	Mentor: Dr. Tomás Estrada
10:00 AM	Industrial Engineering of a Lean Manufacturing Process	# 147
Presenters:	Christoph Hoening, Carla Limpas-Parada	Mentor: Prof. William K. Gordon
Physics	Demonstration	Track Infield
11:20 AM	Solar Powered Electric Racers	# 160
Presenters:	Joshua Bhuel, Michael Hofstedt, Matthew Koerber, Adam Strayton, Jonathan Lane, Alyssa Pumputis, Tyler Robbins, Alexander Sten, Taylor DeBlock, Patrick Durofchalk, David Foery, Ryan Hummel, Otis Statham, Muntabir Choudhury Hasan, Kyle Coats,	Zachary Dennin, Daniel Bruno Esteves, Nathan Copros, Jared Lescavage, Martin Rodgers, Ryan Schick, Chandler Adams, Jordan Nelson, Evan Pallante, Andruw Szczawinski, Andrew Fletcher, Gaia Lazzarini, Gabriel MacDonald, Mitchell Schlegel, Dillon Dotson, Paul Lecurieux-Lafayette, Summer Musser, Mikaela Stiklickas