

Undergraduate Research Day 2015





Directory of Participants

- 1: David Akner, Robert Stevens, and Joseph Walck. *Proposal for a Security System* in the Hayfield House
- 2: Kyleigh Hoover. Indoor Air Quality on Penn State Wilkes-Barre Campus
- 3: Mark Macosky. Analyzing Gothic Imagination
- 4: Michele Brisco and Jessica Wills. How It Will End
- 5: Bethany Dennis. Measures of Water Quality from the Headwaters to the South Branch of the Susquehanna River
- **6:** Mark Cooper and Joshua Cummings. *Exploring Web Accessibility: A Case in* Determining the Technology Needs of Older People
- 7: Mark Cooper and Joshua Cummings. The Coligny Calendar
- 8: Caitlyn Traver. The Long Drive
- 9: Charlene McSparron. Sanitizing Cinderella
- **10:** Steven Zinner. *Gothic Elements of "Second Season"*
- 11: Carlos Candelario, Greg Copelli, Bryan Flynn, Mark Rowe, and Mike Vadas. Campus Thoroughfare
- 12: Kahli Kotulski. The Effects of Oil on Temperature & Dissolved Oxygen in Water Sources
- **13:** Nick Frushon. *The Jogger*
- **14:** Ben Barnett. *Gothic Technology in "The Veldt"*
- 15: Brenda Carrasco-Sickmon. Using LINKSPRITE JPEG Model LS-Y201 Camera
- **16:** Kaitlyn Benczkowski, Theodore Frear, Robert Hug, and Kevin Katchko. *Tech* Center Beautification Project
- 17: Kayla Ramirez. Testing Water Samples from Buildings on Penn State Wilkes-Barre Campus
- **18:** Meaghan Merritt. *Little Boxes (How to make the suburbs gothic)*
- 19: Marty Cirelli. How Often is a Bald Eagle on its Nest
- 20: Kyle Brogan, Neil Frankavitz, Mark Macosky, Vincent Munro, and Cary Vailes. Proposing a Mobile Application
- 21: Ruby Amigon, Bob Costello, Corey Eyerman, Michael Green, Quentin Hugo, Kevyn Luchaco & David Peterson . Local Radio and Tv stations in the Wilkes-Barre area
- **22:** Hayden Gfeller. *Tic-Tac-Toe C++*
- 23: Shane Dunn, Tristan Fry, and Jonathan Walker. Environmental Club: Cultivating a Garden
- 24: Michael Gentile, Michael Giedosh and Yamoutou Keita. The Magnetometer
- **25:** Stephen Jesso and Vanessa Robbins. *Expansion of Penn State Lehman Pond for* the Benefit of Students and Wildlife Proposal
- **26:** Simone Person. *Sibling Rivalry*
- **27:** Michael Arjune and Johnnie Dang. *Magnetic Torquers*
- 28: Dashiel Lopez Mendez. Complex Dynamics in a Differential Equation with Delay
- **29:** Sebastian Rachon. *Exploring Polish Culture and Tradition*
- **30:** Zachary Zimmerman. *Vampirism in Gothic Literature*

- **31:** Stephen Jesso. Whitetail Deer: Their College Diet and Activity Rates
- **32:** Edward Buckley. *An Introduction to the Hill Cipher*
- **33:** Taylor Leicht. *The science behind Sudoku*
- **34:** Bryan Whiting. *Proposal to Complete/Restore PSU-WB's Fitness Path*
- **35:** Austin Elko, Joseph Perillo, and David Yunkunis. *Android control of the real* world
- **36:** Sarah Blamire. Air Pollution in Rural and Urban Settings and the Effect on Our Enviroment
- **37:** Trey Decker, Nick Esposito, Nicholas McCarroll, William Romanowski, and Lake Thomas . Science Building Door Proposal
- 38: Vanessa Robbins. Assessing Fish Species Using Different Baits During Early April at the Susquehanna River
- **39:** Taylor Leicht. *Divorce & Separation*
- **40:** Rocky Rutkoski. Finding Fundamental Solutions For Some Types of Differential Equations
- **41:** Ashley Lara. Recipe for Solving Initial Value Problems for Engineers
- **42:** Katy George and Ryan Sotelo. *The Gambler*
- 43: Joe Prednis and Will Jezewski. Designing Printed Circuit Boards for Orbital **Applications**
- 44: Tyler Kazokas. 'Sandman' and the American Gothic Dream
- **45:** Tyler Avery. *Pathogens In Local Drinking Water*
- **46:** Ryan Leonardo and Greg Strazdus. *Alcohol Abuse*
- 47: Meghan Flanagan. Internship Experience: Federal and State Grant Research
- 48: Tessa Wells. Synthetic and Organic Fertilizers Impact on Growth Rate
- **49:** John Kanarr. *Gothic Elements in "The Shining"*
- **50:** Kalene Belles, Jade Chi Mei Liu, and Michael Pahler. *Penn State Wilkes-Barre* Arboretum
- 51: Daniel Leighow. Electrical Engineering Technology Senior Project Structural Design
- **52:** Stephanie Baines. *Parental Conflict*
- **53:** James Cosgrove and Mike Wright. *Solar charging system*
- **54:** Tyler Avery, Alan Gulbierz, and Do Ee Yang. *Research on Diabetes and Its Latest* Treatments in Biomedical Field
- **55:** Jimmy Cosgrove, Mike Gentile, Danny Leighow, and Mike Wright. *3D Printing of* Senior Project satellite
- **56:** Heidi Kile. *The History Of Sudoku*
- **57:** Sierra Eskridge, Joanna Sobeck, and Sarah Zablotney. *The Curse*
- **58:** Cary Vailes. The Gothic elements within "Replacements"
- **59:** Christopher Albee. *Classification of Waterways within the Commonwealth of* Pennsylvania
- **60:** Christopher Albee, Aaron Severence, Tyler Shelly and Alex Wood. *Surface* Based Comparison of Errors in Topographic Mapping
- **61:** Heather Nicholson. *Practical Application of Python in GIS*

