STUDENT TALKS

2017 Allegheny Mountain Section Meeting at Duquesne University

	College Hall 220	College Hall 223	College Hall 225	College Hall 446	College Hall 447	College Hall 449	College Hall 553
7:35	Tristan Hyde Slippery Rock Univ.	Karen Adams Shepherd University	Nicole Chris West Liberty Univ.	Donovan Ramsey Duquesne Univ.	Mary Jaskowak Mercyhurst Univ.	Michael Wigal West Virginia Univ.	Bohan Qu Univ. of Pittsburgh at Johnstown
7:50	A Problem Related to the Game of Set	A Discrete Case of Minkowski's Inequality using Induction	Reverse Engineering Newton's Method	Geometry -vs- Intensity in Image Denoising	The Fourth Dimension	Online Coloring Blowups of a Known Graph	It Is Just a Number: 12345679 and Its Properties
7:55	Nevena Kulina Edinboro Univ. of PA	Sarah Roberts Juniata College	Brady Sheehan Duquesne Univ. Geometry in Patch	Nico Gabriel, et al. Univ. of Pittsburgh	Aysha Nuhuman Washington & Jefferson College	Mark Leadingham West Virginia Wesleyan College	Man Wing Chan & Erica Flanders Gannon Univ.
8:10	Mathematics of Tennis	Patterns in Fractals: The Multibrot & Julia Sets	Based Non-Local Denoising Algorithms	ER Data Analysis	Counting Rectangles, Squares, Blocks and Cubes	An Introduction to Chaotic Behavior	Purple Martin Die-Off Rates in 2014 and 2015
8:15	Alexander Michels Westminster College	Hao Hu Univ. of Pittsburgh	Andrea Sajewski Duquesne Univ. Linear Transforms	Veronica Kirchner Juniata College	Victoria Jakicic Indiana Univ. of PA	Brandon Eschborn Edinboro Univ. of	Derek Prijatelj & Daniel Watson Duquesne Univ.
8:30	Repeated Play Games	Computing Indicators of Radford Algebras	and Sparse Representations for Processing Medical Image Data	Random Forest Models for Microbial Communities	Magic Polygons and Their Properties	PA History of Number Systems	Analysis of the Implementation of Ensemble Methods in Automated Stylometry
8:35	Kevin Zhang Univ. of Pittsburgh	Tyler Gaona Duquesne Univ.	Paul LeVan Gannon University	Avishkar Khanal Indiana Univ. of PA	Luke Mariotti Penn State Behrend	Rachael Troutman Edinboro Univ. of PA	Jacob Coleman West Virginia Wesleyan College
8:50	Predicting MLB Success	Primes in Arithmetic Progression: A Taste of Analytic Number Theory	An 'Anti'-Waring Problem	Optimal Mean and Variance Portfolio Selection	Students' Conceptions of Limit in High School versus College Calculus	Nine-Point Circle Theorem	Distributive Embeddings of Groups into Monoids of Binary Operations
8:55	Adam Anthony Juniata College	Kevin Shuman <i>Edinboro Univ. of PA</i>	Trevor Arrigoni Westminster College	Trevor Williams West Virginia Wesleyan College	Meghan Sunners, Ben Turner, Robin Hwang, & Everardo Tellez	Denver Stahl Washington & Jefferson College	Matthew Sobocinski Duquesne Univ.
9:10	Fairness of Skewed Dice	Properties of Cut Points in Point-Set Topology	Computational Analysis of Dyck Path Characteristics	Properties of Elementary Cellular Automata	Univ. of Pittsburgh BIG Problems: Return on Investment Calculator	Using the Laplace Transform to Determine Equilibrium of a Circular Cascade	TAPS (Typing Analysis Password System): Multi-Factor Biometric Authentication via Keystroke Dynamics
9:15	Oliver Miles Penn State Behrend	Bradley Wolfe Edinboro Univ. of PA	Xueyi Lei & Shulai Yang Washington &	Joshua Baktay Duquesne Univ.	Annie Small Juniata College	Emma Everett Univ. of Pittsburgh	
9:30	Bridge Tournament Scheduling Problem	The Zariski Topology	Jefferson College Lill's Method	The Multivariate Gaussian Distribution and Spatial Data Analysis	The Mathematics of the Flip and Horseshoe Shuffles	Szemerédi Regularity Lemma Illustrated	