



Elizabethtown College

2020 Summer Scholarship, Creative Arts and Research Projects



Virtual Presentations
Monday, July 27, 2020

Session 1

Welcome

Dr. Kristi Kneas

Dean for Academic Affairs & Faculty Development

Nucleobase-Modified Peptide Nucleic Acids for Sequence Selective Triple-Helical Recognition of Non-Coding RNA

John Talbott

Dr. James Mackay

Serum progesterone and reproductive ultrasounds provide further insight on Ursus americanus pregnancy timelines

Biyar Ahmed

Dr. J. Bernardo Mesa Cruz

Support for Science-related Educational Training and Trauma-Informed Work in Somaliland

David Varner

Dr. Anya Goldina, Dr. Gene Behrens, and Mrs. Carol Costa Ouimet

Lacrosse Goalie Hand Biomechanics

Grace Butler

Dr. Kurt DeGoede

Postmodern Portfolio Theory

Cassandra DeBacco

Dr. Tim McDevitt

Leaving the Nail Unhammered: Pre modern Attitudes Towards Transgender People in Japan

Samantha Friedline

Dr. Matt Skillen

Session 2

Anatomy in Art: Exploring Human Anatomy and Physiology through Art

Rebecca E. Kruse

Dr. Anya Goldina and Mrs. Carol Costa Ouimet

A Performance Study between Machine Learning and Deep Learning Methods on Network Traffic Analysis

Matthew Grohotolski and Conor DiLeo

Dr. Peilong Li

Building a Secure Inter-institutional Data Sharing Platform with Blockchain

Grace Cuff and Jeffrey Edmonds

Dr. Jingwen Wang

Effects of Vaping on Positive Affect, Negative Affect, and Stress: A Pilot Study of College and Community Samples

Emily Lamison and Jen Mele

Dr. Elizabeth Dalton

Putting Historic Marietta on The Map: This Place Matters!

Kyle C. Cappucci

Professor Jean-Paul Benowitz

Investigations in Wearable, Fiber and Mixed Media Works of Art

Mercedes Geiger

Professor Milt Friedly

3D-Printed Housing Development and Testing of a Lateral Flow Assay for Lead Detection in Drinking Water

Donato Grimaldi and Gina Bongiovanni

Dr. Brenda Read-Daily

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PA SEA Grant

JUSFC (Japan-US Friendship Commission)

The Department of Biology

The Department of Fine and Performing Arts

EMA- Tech

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