Special Thanks to
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Exhibits
Christa Stook

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Office of Academic Research
14th Annual Faculty Scholarship Celebration

Presentations and Exhibits Kreitzberg Library Multipurpose Room

Wednesday, October 19
Noon – 1:00pm  “Design Build | Crafting meaningful work in architecture education”  
Presentation by Professor Tolya Stonorov

1:00 – 2:00pm  “Blooms in Vermont: Phosphorus, algae, what are we doing?”  
Presentation by Professor Tara Kulkarni

Thursday, October 20
1:00 – 2:00pm  “Fighting them Over: Northern Civil War Veterans and The National Tribune, 1877-1920.”  
Presentation by Professor Steven Sodergren

Friday, October 21
Noon – 1:00pm  “Cultural Landscapes of Religious Pluralism: Understanding Difference and the Common Good”  
Presentation by Professor Timothy Parker

1:00 – 2:00pm  “TRIASSIC progress: Developments toward completion of the Time-Resolved Industrial Alpha-Source Scanning Induced Current microscope”  
Presentation by Professor Arthur Pallone

Lauren Nehilla (Advisor: Dr. Matthew Thomas)  
Measurement of Stress and Anxiety Levels and Casual Factors Between Collegiate Academic Years

Rhiannon Page (Advisor: Dr. Elizabeth Wuorinen)  
How Does Exercise Effect Protein Carbonylation and Antioxidants Production

Jake Riti (Advisor: Dr. Rob Knapik)  
Measuring the Absolute Efficiency of a Photomultiplier Tube

Celeste Robert (Advisor: Dr. Karen Supan)  
A study of PVA Matrix and MoS2

John Rotter (Advisor: Dr. Tabetha Hole)  
Exploring the Stellar Winds of Massive Stars

Joshua Sassi (Advisor: Dr. Allison Neal)  
Investigating the effect of severe drought on parasite prevalence and diversity

Muhammad Ali Shahidy (Advisor: Dr. Mark Stefani)  
An evaluation of the relationship between knowledge of Middle Eastern culture and justification of violence against civilians in American military cadets

Kelsey Soares (Advisor: Dr. Elizabeth Gurian)  
Exploring the Relationship between family history of criminality and serial murder

Kevin Svarczkopf (Advisor: Prof. Cara Armstrong)  
Peter Bohlin: Building with Nature

Kevin Taylor (Advisor: Dr. Brian Bradke)  
A Comparison of Pulse Oximetry and Near Infrared Spectroscopy to Detect Hypoxic Hypoxia in Pilots

Bethany Towne (Advisor: Dr. Jeremy Hansen)  
Expected Revenues for Small-Scale Hemp Production in Vermont

Olivia Towne (Advisor: Prof. Cara Armstrong)  
A Therapeutic Environment: Designing Architecture to Heal

Cassidy Valinski, Josh Zine, Evan Gagnier (Adviser: Prof. Danner Friend)  
Recycle for Space: Integrated 3D Printer/Recycler for In-Space Manufacturing

Mickenzie Walbridge (Advisor: Dr. Jeremy Hansen)  
Investigating a Voice Command Device for Hypertext Fiction
Adele Del Avellano (Advisor: Dr. Chris Koteas)
Using petrological and structural evidence to explain a mechanism for plutonic emplacement across a major tectonic boundary in the central Vermont Appalachians

Christopher Eddy (Advisor: Dr. Chris Koteas)
Microgeochemical variability within a ductile shear zone: Pressure-temperature evolution across a poly-deformational boundary

Zyla Fisher (Advisor: Dr. Emily Meyer)
The Effects of Circles of Support and Accountability (COSA) on Re-Entering Violent Offenders in Vermont: Perspectives of Participants and Volunteers

Artmiz Golkaramnay (Advisor: Dr. Daniel McQuillan)
Investigating the role of the degree sequence in the existence of graph labellings

Alexis Julian (Advisor: Dr. Jeremy Hansen)
Crisis Response Application

Lauren Kenneally (Advisor: Prof. Lili Martin)
Burnout and Compassion Fatigue in Nursing Students: A Meta-Analysis

Laurie King (Advisor: Dr. Michael Prairie)
Determination of Flow Development in Whistle-Based Woodwind Instruments

Kirstin Lortie (Advisor: Dr. Chris Koteas)
The Evolution of Geochemical, Petrogenetic, and Mineralogic suites across the Taconic-Acadian Interface in Hardwick, VT

Derek Lotito (Advisor: Dr. Joe Latulippe)
A mathematical model for synaptic dysfunction in Alzheimer’s disease

Sean McCrystal (Advisor: Dr. Mi Ri Kim)
Journey of the Armor

Patrick Millington (Advisor: Dr. David Feinauer)
Low cost apparatus for time-correlated motion and surface electromyographic (sEMG) data collection

Peter Misner (Advisor: Prof. Cara Armstrong)
Affordable/Reusable Olympic Stadium

Jeffrey Morgan (Advisor: Dr. Rob Knapik)
Verifying Dark Energy Models with Multiple Scalar Fields


Jarry, P. and Beneat, J., 2016, Microwave Amplifier and Active Circuit Design Using the Real Frequency Technique. IEEE Wiley.


Book Chapters and Encyclopedia Articles


Conference

Balcom, I., Driscoll, H., and Vincent, J., 2016, Microbial Ecology and Pharmaceutical Removal in an Ecological Wastewater Treatment Plant. ASM Microbe. DOI: 10.13140/RG.2.1.2090.4561


Gray, E. F., 2016, The Torgauer Schlosskapelle and Early Lutheran Architecture presented as part of the Studienforum Berlin conference on Luther’s 500th Anniversary at the Torgau Chapel, Torgau, Germany.


Woodbury Tease, A., 2016, Call and answer: Muriel Spark and media culture. Modern Fiction Studies, 62 (1), 64-85.

Technical Reports


Latulippe, J., 2016, Clickers, iPad, and lecture capture in one semester: my teaching transformation. PRIMUS: Problems, Resources and Issues in Mathematics Undergraduate Studies, 26 (6), 603-617.


Olson, J.S., 2016, Variants of Bulgarian solitaire. Integers 16.


Pallone, A., 2016, TRIASSIC: The Time-Resolved Industrial Alpha-Source Scanning Induced Current Microscope. APS March Meeting.


**Creative Works**


Beckwith, J., 2016, *The Late Rosie Callaghan* (Revised.). Cape Cod Community College Theater Arts Program, Play with Your Food Reading Series.


Prentiss, S., 2016, *Destinations on a Map*. Artemis, XXIII, 47.


**Invited Presentations**


Maass, S.A., 2016, *What works in improving training outcomes?* Virginia Department of Corrections Research in Motion Conference, Richmond, VA.

**Journal Articles**


