



# ANNUAL PI GRANTEE RECEPTION

*Celebrating Faculty and Staff Principal Investigators and Project Directors*

B

April 21, 2026



**Bucknell**  
UNIVERSITY

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# CHRISTIAN AGATEMOR

## Assistant Professor of Chemistry

### Projects:

- “Bioorthogonal Chemical Probe for Live Cell Imaging of Lactylation”
- “Understanding Clusteroluminescent Prenylated Deep Eutectic Solvents”

### Sponsors:

- National Institutes of Health
- National Science Foundation



# HEATHER ALMER

Assistant Director, International Student Services

**Project:**

“Skill-to-Leadership: Youth Skills and Community Leadership Pilot”

**Sponsor:** Davis Projects for Peace



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# HASAN ARSLAN

## Assistant Professor of Chemistry

**Project:**

“Switchable Supramolecular Hosts for Catch-and-Release Systems”

**Sponsor:** Charles E. Kaufman Foundation



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# SHAUNNA BARNHART

Program Director, Place Studies Program

**Project:**

“Strengthening Place Based Partnerships - 2026 Rural Summit”

**Sponsor:** Partners for Rural Impact



# **BENJAMIN BARSON**

Samuel L. Williams Endowed Assistant Professor of Music  
Affiliated Faculty in Latin American Studies

**Project:**

“Jazz Against Empire: Istmeño, Cuban, and Haitian Sonic Internationalism in the Shadow of the Monroe Doctrine, 1898–1959.”

**Sponsor:** School of Historical Studies, Institute for Advanced Study



# KENTON BUTCHER

Assistant Professor of English-Literary Studies  
Affiliated Faculty in Critical Black Studies

**Project:**

“Career Enhancement Fellowship: Illegible: Black  
Appalachia and Self-Publishing as Fugitive Praxis, 1990-  
2010”

**Sponsor:** Institute of Citizens & Scholars



# CLAIRE CAMPBELL

Professor of History

History Department Chair, Affiliated Faculty in Environmental  
Studies & Sciences

**Project:**

“The Culture of Cultivation: An environmental history of  
Prescott House and Starrs Point”

**Sponsor:** Nova Scotia Museum



# SONG CHEN

Associate Professor of East Asian Studies

**Project:**

“The Northern Song Elite in the Tang-Song Transition: Digital Humanities, Generative Large Language Models, and Prosopography”

**Sponsor:** School of Historical Studies, Institute for Advanced Study



# ANDREW CIOTOLA

Program Manager, Stadler Center for Poetry and  
Literary Arts; Managing Editor of West Branch

**Project:**

“Arts Organizations & Arts Programs 2025-2026 Funding”

**Sponsor:** Pennsylvania Council on the Arts





**DOUGLAS COLLINS**  
Associate Professor of  
Chemistry



**DABRINA DUTCHER**  
Associate Professor of Chemistry  
& Chemical Engineering



**SHAUNNA BARNHART**  
Program Director, Place  
Studies Program

**Project:**

“Air Quality in the Lower Anthracite Coal Region of Pennsylvania”

**Sponsor:** U.S. Department of Environmental Protection

# JACKIE DZIADOSZ

## Experiential Learning Coordinator, College of Engineering

### Senior Design Projects (with faculty PIs):

- "Intelligent Supplier Information & Transaction Management System"
- "High Efficiency Floral Transportation System"
- "Automated Drum Set Lacquer Buffing Machine"
- "Next-Generation Hydrofoil Strut"
- "Human Hamster Wheel"
- "Fluid Power Vehicle Challenge"
- "Use of Ultrasonic Emissions for Viscous Fluid Transport"
- "CCN51 Bean Cleaning Impact"
- "Sustain-a-Bale Project"
- "Folding Module for Housing"
- "Nitro Coffee Measurement Device"
- "Data Centers Thermal Solutions"
- "Fuel-efficient Turbofan Engine"



### Sponsors:

- TE Connectivity, Gilly's Lilies, Haggerty Hollow Guild, Adaptide, Kinetic Kreations, National Fluid Power Association, Corning, Mars Wrigley, Procter & Gamble, Iron Valley, Keurig Dr Pepper, Worthington Armstrong Venture, Pivot Defense Systems

# **ERIC FADEN**

Professor of English

Specialization: Early Cinema

**Project:**

“Research Services for the Yanai Initiative on Japanese Paper Film”

**Sponsor:** University of California, Los Angeles



# ANDREA HALPERN

Professor of Psychology  
Department Co-Chair of Psychology

## Projects:

- “Effects of Singing Training on Cognition in Older and Younger Adults”
- “Lundbeck Foundation Visiting Professor”
- “Sir Run Run Shaw Visiting Professor”

## Sponsors:

- National Endowment for the Arts
- Aarhus University
- Hong Kong Baptist University



# **MOLLY HARRIS**

Director, Interpersonal Violence Prevention and  
Advocacy

**Project:**

“Active\* Consent at Bucknell”

**Sponsor:** Pennsylvania Department of Education, It's on Us 25-26



# MATTHEW HIGGINS

Claire W. Carlson Chair in Environmental Engineering,  
Professor of Civil & Environmental Engineering

## Projects:

- "Fulbright US Scholar Award, Australia"
- "Evaluation of Digestate Characteristics in Relation to Rapid Volume Expansion"
- "Impacts of Thermal Hydrolysis Pretreatment on Anaerobic Digestion and Dewatering"

## Sponsors:

- Fulbright US Scholar Program, U.S. Department of State
- Miami-Dade County
- Eastman Chemical



# **ERIN JABLONSKI**

Director for the Perricelli-Gegnas Center for Entrepreneurship & Innovation and Associate Professor of Chemical Engineering

**Project:**

“Supporting Prosperity and Advancing Rural Knowledge (SPARK)”

**Sponsor:** Appalachian Regional Commission



## **ROB JACOB**

Professor of Geology & Environmental Geosciences

## **JANINE GLATHAR**

Digital Pedagogy & Scholarship Specialist  
GIS & Spatial Thinking

### **Project:**

“State View Program Development & Operations for the  
State of Pennsylvania: Surface Imaging of Bucknell's  
Farm & Turtle Creek Natural Area”

**Sponsor:** U.S Geological Survey



# PETER MARK JANSSON

Associate Professor of Electrical & Computer Engineering

**Project:**

“Publishing and presenting microgrid findings at academic and industry conferences between December 2025 and December 2026”

**Sponsor:** Open Discourse Coalition



## **BRIAN KING**

Xin Faculty Fellow in Computer Science & Engineering and  
Associate Professor of Computer Science;  
Faculty Fellow for the Dominguez Center for Data Science

**Project:**

“Intelligent Supplier Information & Transaction  
Management System (Senior Design)”

**Sponsor:** TE Connectivity



# YAN CHOI LAM

Assistant Professor of Chemistry

**Project:**

“Elucidating the Proton-Coupled Electron Transfer Pathways Underpinning the Electrocatalytic Generation of Fuels”

**Sponsor:** U.S. Department of Energy



# STEPHANIE LARSON

Professor of Classics & Ancient Mediterranean Studies

## Project:

"A Late Roman Cemetery on the Ismenion Hill: Sickness and Burial in Thebes, Greece"

## Sponsors:

- National Endowment for the Humanities
- Harvard Loeb Library Foundation



# **RYAN MALONE**

Associate Professor of Music  
Department Chair

**Project:**

“A Missing Voice in Early-American Music: The Choral Music of Johann Friedrich Peter”

**Sponsor:** National Endowment for the Humanities Fellowship



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## **KATHRYN MAGUET**

Executive Director, Weis Center for the Performing Arts

## **JOHANNA KODLICK**

Director of Operations, Weis Center for the Performing Arts

### **Projects:**

- "Tarwa N-Tiniri"
- "Brent Birckhead"
- "Orchestra of Indigenous Instruments and New Technologies"
- "Arts Organizations & Arts Programs 2025-2026"

### **Sponsors:**

- MidAtlantic Arts
- Pennsylvania Council on the Arts



# MICHAEL MALUSIS

Associate Dean for Faculty Development; Professor  
of Civil & Environmental Engineering

**Project:**

“Collaborative Research: Coupled Effects of Density,  
Microstructure, and Ion Selectivity for Clay Membranes”

**Sponsor:** National Science Foundation



# ALAN MARCHIORI

Xin Faculty Fellow in Computer Science & Engineering and  
Associate Professor of Computer Science, and Electrical &  
Computer Engineering  
Computer Science Department Chair

**Project:**

“Evaluation of Screen-Printed Electrodes for Point-of-Care  
Urinary Calcium Detection”

**Sponsor:** Bucknell Geisinger Research Initiative



# KELLY MCCONVILLE

Director, Dominguez Center for Data Science

**Project:**

“New Horizons for the Undergraduate Forestry Data Sciences Program”

**Sponsor:** U.S. Department of Agriculture, Forest Service



## **DARAKHSHAN MIR**

John P. & Mary Jane Swanson Professor in  
Engineering & the Sciences and Associate  
Professor of Computer Science

## **VANESSA MASSARO**

Associate Professor of Geography  
Geography Department Chair

### **Project:**

“Phase II: Building a Just Computing Movement:  
Supporting Students in Value-Centered Computing  
Career - scaling and deepening the student focus  
from Phase 1.”

**Sponsor:** Mozilla Foundation



# ANTHONY MORGAN

Associate Vice President & Chief of Public Safety

**Project:**

“Union County SART Expansion STOP Violence Against Women”

**Sponsor:** Pennsylvania Commission on Crime and Delinquency



# KURT NELSON

Director, Religious & Spiritual Life

**Project:**

“Life Worth Living Fellowship at Yale Center for Faith & Cultures”

**Sponsor:** John Templeton Foundation



# GREG O'NEILL

Assistant Professor of Mechanical Engineering

**Project:**

“Fuel-efficient Turbofan Engine (Senior Design)”

**Sponsor:** Pivot Defense Systems



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# **RICHARD RINEHART**

Director, Samek Art Museum

**Project:**

“Arts Organizations & Arts Programs 2025-2026 Funding”

**Sponsor:** Pennsylvania Council on the Arts



# DAVID ROJAS

Associate Professor of Latin American Studies  
Director of Latin American Studies

**Project:**

“US Scholar Award, Brazil”

**Sponsor:** Fulbright US Scholar Program, U.S. Department of State



# EMILY STOWE

Associate Professor of Biology

**Project:**

“Characterizing Small River Island Microbial Communities  
in the Susquehanna River via Metagenomic Analysis”

**Sponsor:** Pennsylvania Academy of Science



# STEVEN STUMBRIS

## Director of the Small Business Development Center

### Projects:

- "PA ENGAGE Funding"
- "PA Partnerships for Regional Economic Performance Funding"
- "Small Business Administration Funding"
- "Main Street Innovators"
- "PA Agricultural Innovation Services"
- "Empowering Entrepreneurs with AI: Enhancing Client Support & Operations at the Bucknell SBDC"
- "Supporting Prosperity and Advancing Rural Knowledge (SPARK)"

### Sponsors:

- SEDA-Council of Governments
- PA Department of Community & Economic Development
- U.S. Small Business Administration
- U.S. Department of Agriculture
- Appalachian Regional Commission
- Google
- Ben Franklin Technology Partners



# IBRAHIM SULAI

Associate Professor of Physics & Astronomy

**Project:**

“Collaborative Research: Research at Undergraduate Institutions : Beyond the Standard Model Using Precision Measurements: Exotic Physics Searches with Magnetometer Network”

**Sponsor:** National Science Foundation



# REBECCA SWITZER

Associate Professor of Chemistry

**Project:**

“Impact of Disease-Causing Mutations on DNMT1”

**Sponsor:** National Institutes of Health, Academic Research Enhancement Award (R15)



# EDWARD TALMAGE

Associate Professor of Computer Science

**Project:**

“Algorithmic Foundations: Small: Research at Undergraduate Institutions: Towards Asynchronous, Crash-Tolerant Shared Data”

**Sponsor:** National Science Foundation



# JONATHAN TORRES

Assistant Professor of Mechanical Engineering

## Projects:

- "High Efficiency Floral Transportation System (Senior Design)"
- "Automated Drum Set Lacquer Buffing Machine (Senior Design)"
- "Next-Generation Hydrofoil Strut (Senior Design)"
- "Human Hamster Wheel (Senior Design)"
- "Fluid Power Vehicle Challenge (Senior Design)"
- "Folding Module for Housing (Senior Design)"

## Sponsors:

- Gilly's Lilies, Haggerty Hollow Guild, Adaptide, Kinetic Kreations, National Fluid Power Association, Iron Valley



# JEFFREY TROP

(2016-2019) Presidential Professor of Geology &  
Environmental Geosciences

Affiliated Faculty in Environmental Studies & Sciences

## Project:

Collaborative Research: Research at Undergraduate  
Institutions: Silty streams and diluted seas in the Late  
Devonian Appalachian Basin: Probing the effects of early  
icehouse extremes on vertebrate paleogeobiology”

**Sponsor:** National Science Foundation



# **BRYAN VANDEVENDER**

Associate Professor of Theatre & Dance

**Project:**

“Short-Term Research Fellowship: Afterlives: Musical Theatre Repertoire, Revival, and Capital”

**Sponsor:** New York Public Library



# MARGOT VIGEANT

Professor of Chemical Engineering

## Projects:

- “Nitro Coffee Measurement Device (Senior Design)”
- “Data Centers Thermal Solutions (Senior Design)”

## Sponsors:

- Keurig Dr Pepper, Worthington Armstrong Venture



# KAT WAKABAYASHI

## Professor of Chemical Engineering

### Projects:

- "Use of Ultrasonic Emissions for Viscous Fluid Transport (Senior Design)"
- "CCN51 Bean Cleaning Impact (Senior Design)"
- "Sustain-a-Bale Project (Senior Design)"
- "Solid-State Shear Pulverization of Novel Petroleum-Based Composites, Phase 1G/H"

### Sponsors:

- Corning, Mars Wrigley, Procter & Gamble
- ExxonMobil

