The University of Vermont

Welcomes you to the Annual

Student Research Conference 2024

Event Program

April 18th, 2024
9:00-4:30
4th Floor Davis Center

Morning Session II
THE CREATIVE PRESENTATIONS CAN BE FOUND IN THE FIREPLACE LOUNGE AND WILL REMAIN THERE ALL DAY

Natalie Bett, Megan Burdick, Ellett Mettiman, Kat Coyne, & Dani Seward
Pursuing Meaning Within Choreography: Developing and Presenting Dance Compositions from Personal Backgrounds and Motivations

Dance, CAS
Faculty Mentor: Paul Besaw

Ben Egner & Brady Hill
A New UVM Geological Collection Inventory
Biology, CAS & Biological sciences, CALS
Faculty Mentor: Sara Cahan

Sam Fertik
Translations of Plant-Environment Interactions: Learnings from the Colchester Bog
Plant Biology, CAS
Faculty Mentor: Steve Budington

Wenzdae Wendling
The Illustrated Guide to Pre-Veterinary Equine Lameness
Animal Science, CALS
Faculty Mentor: Christina Rohan

Yoshi Bird
Building the Vermont Zoning Atlas
Complex Systems & Data Science, CEMS
Faculty Mentor: Christopher Danforth

Zane Zupan
Making LGBTQ+ History Accessible to Gen-Z During a Period of Targeted LGBTQ+ Erasure
Political Science, Sociology, and Gender, Sexuality, & Women's Studies, CAS & PLHC
Faculty Mentor: Paul Deslandes

Dante Blasi
Designing a Good Website
Business Administration, GSB
Faculty Mentor: Erik Monsen
Chittenden Room

**Claire Bushey**  
Faculty Mentor: Rory Waterman  
Efficient Precatalysts for Silicon-Nitrogen Heterodehydrocoupling

**Maisie Moses**  
Faculty Mentor: Matthias Brewer  
Biofilm Infection Management via Encapsulation of Pyruvate Dehydrogenase in Alginate Hydrogel Wound Dressing

**Elizabeth Amelotte**  
Faculty Mentor: Sean Diehl  
Coronary Artery Calcification Scores and Mortality in Veterans with Mood Disorders

**Paola E. Peña García**  
Faculty Mentor: Sean Diehl  
Beta-hydroxybutyrate augments airway epithelial cell anti-viral responses

Jost Room

**Holly Paige Chaos**  
Faculty Mentor: Christelle Vincent  
Weirstrass points on Shimura curves

**Sydney White**  
Faculty Mentor: Lisa Dion  
Gender Bias in Spotify Recommendations

**Eli Manier**  
Faculty Mentor: Paige Brochu  
High Resolution Land Cover Mapping in the Mid-Atlantic: Land Cover Mapping for the EPA Region 3 Area

**Patrick Shafer**  
Faculty Mentor: Teresa Mares & Yolanda Chen  
Farming and Eating Insects at the University of Vermont
Posters
Morning Session II

ENGINEERING, MATHEMATICS, & PHYSICAL SCIENCES

- Ben Jackson
- Cooper Petri
- Emily Hall
- LaPo Frati
- Morgan Boothe
- Omid Sedighi
- ZenllaZe Gomez
- Merlo
- Ruairidh McNeil
- Mazen Elsaadany
- Stephen Paige
- Perry Wilson
- Maddie Harper
- Bridget Seymour
- Thomas Brewer

LIFE SCIENCES

- Adebukola Aborigho
- Anastasia Godlewski
- Andrew McCracken
- Ben Camber
- Christian Arntsen
- Christina Anastasia
- Csenge Petak
- Elizabeth Roadcap
- Franny Oppenheimer
- Gina Russin
- Kai Vaughn
- Lamja Semic
- Lily Duerr
- Megan O’Connor
- Noah Elste
- Pierre Ac Beaurang
- Ryan Davin
- Samara Acevedo
- Surya Amundsen
- Taylor Bean
- GopiKa Nandagopal
- Hallie Shi

SOCIAL SCIENCES

- Kelly Daigle
- Morgan Gregory
- Parisa Suchdev
- Teresa Mungazi

VERMONT

- Stella Vercesi
- Bryce Doherty
- Elizabeth Mehler
- Rachel Cray