

THE SIXTEENTH ANNUAL USF
RESEARCH
SYMPOSIUM

March 27, 2025



SCHEDULE OF EVENTS AND SESSIONS

As a courtesy to our presenters and audience, please silence your cell phones.

8:30–9 a.m.

LIGHT BREAKFAST FOR PRESENTORS AND MODERATORS

Cleveland Professional Center Atrium

9–10:15 a.m.

SESSION ONE

Honors 1

Cleveland 206 | Moderator: Cheri Kovalenko

Kayda Vanden Berg: “Reducing Nausea and Vomiting Using Non-Pharmacologic Interventions: A Systematic Review”

Emily Brace: “Knowledge and Attitude of EMDR Therapy”

Data Science 1

Cleveland 207 | Moderator: Shawn Chiappetta

Dylan Ruder: “NBA Draft Pick Efficiency”

Will Hoffman: “Predicting NFL Receiver Performance: A Neural Network Approach to Fantasy Football Statistical Forecasting”



10–11:30 a.m.

SESSION TWO

Computer Science 1

Cleveland 206 | Moderator: Shawn Chiappetta

Michael Schneider: “Bridging the Cyber Security Skill Gap Through Simulation Training”

Ethan Jordan: “A Comparison of Physics Engines via Trebuchets”

Honors 2

Cleveland 207 | Moderator: Jenny Bangsund

Kennedy Hansen-Essem: “The Impact of Educational Involvement”

Annika Leewarner: “Motivation for Musicianship: The Power of Assessment in Secondary Choral Music Education”

11:30 a.m.–

12:45 p.m.

Lunch and Keynote Speaker

Cleveland 106

David O’Hara: “Fish, Forests, and the Religious Architecture of Water”

All are welcome to attend the presentation. Lunch is provided for presenters and faculty only.

12:45–2 p.m.

SESSION THREE

Honors 3

Cleveland 222 | Moderator: James Foster

Dylan Haugen: “Predicting Car Accidents Using Pattern Recognition and Data Modeling”

Gunner Gould: “Platonic: A Short Film”

Computer Science/Math 1

Cleveland 206 | Moderator: Jason Douma

Sean Flaherty: “The Fibonacci Sequence and the Golden Ratio in Musical Composition”

Donald Shipp: “The Blockchain Trilemma = Interoperability”

Computer Science 2

Cleveland 207 | Moderator: Victor Larsen

Christian Lietz: “City Chat: A Dive into Web Application Development”

Austin Trumble: “Training AI to Create Music”

2–2:30 p.m.

COOKIES, CHOIR AND ART RECEPTION

Art in the Mezzanine

Choir in the Atrium

2:30–3 p.m.

SOCIAL SCIENCE AREA AWARDS

Cleveland 206



KEYNOTE SPEAKER

David O'Hara

David O'Hara is professor of philosophy, religion, classics, and environmental studies at Augustana University, where he is also director of sustainability and environmental studies, and Clara Lea Olsen professor of Christian values. He holds degrees in Spanish, "Great Books," and Philosophy, and he regularly teaches classes and does field ecology research in Alaska and Central America. He studies the legal, cultural, biological, and religious relationships between terrestrial and aquatic ecosystems. His most recent books are on brook trout and on the environmental vision of C.S. Lewis.



SPECIAL WORD OF THANKS

The following individuals have supported today's event through financial gifts:

President Brett and Jane Bradfield

Professor Kevin L. Cole

Professor Jason and Kathie Douma

Professor Gretchen Hoffman and Judge Doug Hoffman

Professor Nancy Olive and Bill Kramer

Dr. Cliff Lewis

Financial support for the USF Research Symposium may be sent to:

University of Sioux Falls

Research Symposium

Dustin Sedars, VP for Institutional Advancement

1101 W. 22nd St.

Sioux Falls, SD 57105





USF RESEARCH
SYMPOSIUM