

URC

The Eighteenth Annual
**UNDERGRADUATE
RESEARCH CONFERENCE**

April 26, 2024
Elaine Boyd Library

Presented by



HONORS PROGRAM

Notes:

Special Thanks

Today's conference began with a National Collegiate Honors Council Portz Grant. Our thanks to the NCHC and Portz Committee.

Thank you to the RMU staff whose assistance made this event possible, especially Patricia Centofanti, Nicole Hitt, Kelly MacDonald, and Marcia Tourney. Thank you to our Honors student worker, Ashley Stebbins.

Thank you to the staff of the Elaine Boyd Library for hosting this event.

Finally, we are grateful to President Dr. Michelle Patrick and Provost Dr. Joe Zimmer for their unwavering support of the RMU Honors Program and of this conference.



HONORS PROGRAM

Honors Senior Thesis Advisors

Dr. G. Buxton	Dr. S. Pamboukian
Dr. B. Campbell	Dr. S. Park
Dr. Y. Chu	Dr. A. Robins
Dr. A. Combs	Dr. N. Taylor
Dr. F. Hartle	Dr. J. Trunkos
Prof. C. Loyola-Garcia	Dr. H. Vanhala
Dr. J. McCarthy	
Dr. S. Mishra	

Honors Senior Capstone Advisors

Dr. A. Ames	Dr. M. Hansen
Prof. B. Burgess-Lefebvre	Dr. M. Maurer
Dr. Y. Chu	Dr. S. Pamboukian
Dr. R. Emekter	Dr. S. Paul
Dr. C. Groendyke	Dr. M. Quigley
Dr. D. Hudak	Prof. J. Radermacher
Dr. D. Frndak	Prof. S. Slater
Dr. C. Hanna	
Dr. M. Minutolo	

Panel Sessions:

12-12:50 pm	IDC* PH 308	Ethics & Security Sports and Marketing
1-1:50pm	IDC PH 304	Topics in Health Care Nature & Biology
2-2:50pm	IDC PH 304	Literature & Television Equity & Justice
3-3:50pm	IDC	Culture, Travel & Study Abroad

Posters:

Available 12-4:30pm

3-3:30 pm	Library-1st Floor	Poster Judging
3:30-4:30pm	Library-1st Floor	Open Poster Session

*IDC is the Instruction Design Classroom located on the 1st floor of the library.

Patrick Henry (PH) 304 & 308 are located on the top floor of the library.

Ethics & Security

12-12:50

IDC -1st Floor of Library

Moderator: Joey Azzaro

Presenters:

Lucy Hess

Do Influencers have an Ethical Obligation through their Content? A Qualitative Study of the Off-Label Use of Ozempic on Tik Tok

Brent A. Rose

Student Perceptions of Record Security

Cade Skuse

Typical MLM Company Marketing and Recruitment Trends, and How Mental Wellness MLMs Fit into the Picture

Jessica Schmid

How the Latter-Day Saints Church Discourages Childfreedom in Women

Addy Hildebrand - *The Ethics of Dark Tourism on Alcatraz Island*

Tyler Hrivnak - *Quality Over Quantity: US Healthcare's Shift*

Emma Kemp - *Examining the Adaptive Benefits of Schooling in Scalloped Hammerhead Sharks*

Julia Listwak - *The Palace of Versailles: The Significance of French Architecture*

Matthew Luoni - *Can GI Bacteria Mitigate the Symptoms of Systemic Lupus Erythematosus?*

Matthew Marling - *Developments of the Current and Future Treatments of Rheumatoid Arthritis*

Melayna Pongratz - *The X-Files' Dana Scully, Motherhood, and Inhuman Kids*

Miranda Schramm - *Effects of the Inflation Reduction Act on Clean Energy Production*

Erin Shannon - *Agatha Christie: Subverting Societal Roles*

Alex Viljaste - *Psychology of Gambling and How to Lessen Compulsive Gambling for Addictive Personalities*

Honors Senior Capstone Projects

Gianna Anthony - *Correlation Between Marketing of Robert Morris University's Men's and Women's Basketball Teams and Game Attendance*

Megan Betz - *Why Students Should Learn Outside the Classroom*

Anaya Brisbon - *Black Maternal Health: Morbidity and Mortality of Black Mothers*

Natalee Calfo-Carroll - *3D Model Portfolio Development: Focused Learning on Blender and Rhinoceros 3D*

Luke Conte - *Rethinking Blast Radius' Strategy: A Case Study*

Zachary A. Cook - *Effects of the New Transfer Rules on College Football*

Nolan Croushore - *Uncommon Roles in the Actuarial Field: How Actuaries Can Bring Insight to Businesses Other Than Insurance*

Allison Ezbiansky - *Affordable Clothing, Philanthropy and the RMU Community*

Jake Hall - *Creating the Magic: A Whole New World*

Nicolas Heenan - *Why is there a shortage of nurses in skilled nursing/assisted living facilities?*

Sports & Marketing

12-12:50

PH 308 - Top Floor of Library

Moderator: Alyssa Bell

Presenters:

Frank Grabski

Predicting March Madness Brackets

Haley Mojsej

Investigating a Potential Market for LEGO and NFL Brand Collaboration

Owen Wasilewski

Performance Variability across Professional Football [Soccer]

Brogan Berkey

An Analysis of Team Construction in the National Hockey League

Topics in Health Care

1-1:50

IDC - 1st Floor of Library

Moderator: Makena Hall

Presenters:

Nicolas Heenan

Why is there a shortage of nurses in skilled nursing/assisted living facilities?

Jacob Allen

The Impact of Travel Distance and Time on Rural Trauma Patients in Pennsylvania

Mason Bobro

Incidence of Barriers to Clinical Trial Participation for Transgender and Non-Binary Individuals: A Systematic Review

Ryan McCafferty - *Opportunities for Accessible Fulldome Education in the Humanities - A Literature Review*

Haley Mojsej - *Investigating a Potential Market for LEGO and NFL Brand Collaboration*

Brent A. Rose - *Student Perceptions of Record Security*

Jessica Schmid - *How The Latter-Day Saints Church Discourages Childfreedom in Women*

Cade Skuse - *Typical MLM Company Marketing and Recruitment Trends and How Mental Wellness MLMs Fit into the Picture*

Julia Wasielewski - *The Reporter: Season 1: Episode 1 Pilot*

Honors Senior Thesis Projects

Jacob Allen - *The Impact of Travel Distance and Time on Rural Trauma Patients in Pennsylvania*

Brogan Berkey - *An Analysis of Team Construction in the National Hockey League*

Mason Bobro - *Incidence of Barriers to Clinical Trial Participation for Transgender and Non-Binary Individuals: A Systematic Review*

Haedyn Brewer - *An Interpretation of Okinawan Karate Identity through a Comparative Analysis of Its Popular History*

Colin Glynn - *The Positive Or Negative Correlation Between Poverty And Prison Overcrowding*

Frank Grabski - *Predicting March Madness Brackets*

Lucy Hess—*Do Influencers Have an Ethical Obligation Through Their Content? A Qualitative Study of Off-Label use of Ozempic on TikTok*

Mackenzie Hill - *When Sandbox Love Dies: A New Adult Horror Novel*

Nature & Biology

1-1:50

PH 304 - Top Floor of Library

Moderator: Sean Miller

Presenters:

Emma Kemp

Examining the Adaptive Benefits of Schooling in Scalloped Hammerhead Sharks

Matthew Luoni

Can GI Bacteria Mitigate the Symptoms of Systemic Lupus Erythematosus?

Literature & Television

2-2:50

IDC—1st Floor of Library

Moderator: Sophia Belcastro

Presenters:

Erin Shannon

Agatha Christie: Subverting Societal Roles

Julia Wasielewski

The Reporter: Season 1: Episode 1 Pilot

Mackenzie Hill

When Sandbox Love Dies: A New Adult Horror Novel

Melayna Pongratz

The X-Files' Dana Scully, Motherhood, and Inhuman Kids

Tyler Hrivnak - *Quality Over Quantity: US Healthcare's Shift*

Liam Jennings & Adam Gehr & Josh Knapp - *How Eye Color Affects Day and Night Splits of MLB Players*

Johnna Lefebvre & Barbara Burgess-Lefebvre - *Best Practices for Guest Assistance for Disabilities*

Matthew Marling - *Developments of the Current and Future Treatments of Rheumatoid Arthritis*

Ryan McCafferty - *Opportunities for Accessible Full-dome Education in the Humanities - A Literature Review*

Niani Reyes - *Understanding Employee Depression and Coping Strategies*

Miranda Schramm - *Effects of the Inflation Reduction Act on Clean Energy Production*

Michael Sible - *A Study of Corrosion Mitigation for Laser Marking on Stainless Steel*

Alex Viljaste - *Psychology of Gambling and How to Lessen Compulsive Gambling for Addictive Personalities*

Rylie Wauthier - *Media Portrayal Analysis of Spotify's Artist Compensation*

Natalee Calfo-Carroll - *3D Model Portfolio Development: Focused Learning on Blender and Rhinoceros 3D*

Natalee Calfo-Carroll & Amaya Jones - *Laser Marking Applications in Prospective Student Immersive Experiences*

Luke Conte - *Rethinking Blast Radius' Strategy: A Case Study*

Zachary A. Cook - *Effects of the New Transfer Rules on College Football*

Nolan Croushore - *Uncommon Roles in the Actuarial Field: How Actuaries Can Bring Insight to Businesses Other Than Insurance*

James Danner - *Universal Laser Engraving Tool*

Allison Ezbiansky - *Affordable Clothing, Philanthropy and the RMU Community*

Jesse Fitch & Amaris Shotto - *Communication and Accountability: Johnson & Johnson's Response to the Opioid Crisis.*

Jake Hall - *Creating the Magic: A Whole New World*

Equity & Justice

2-2:50

PH 304—Top Floor of Library

Moderator: Jareb McFadden

Presenters:

Trinity Miles-Flurry

They Labeled Us a Disgrace

Colin Glynn

The Positive Or Negative Correlation Between Poverty And Prison Overcrowding

Ryan McCafferty

Executive Compensation and Associated Regulation in the United States and the People's Republic of China - A Comparative Study

Culture, Travel & Study Abroad

3-3:50

IDC—1st Floor of Library

Moderator: Aminah Harp

Presenters:

Megan Betz

Why Students Should Learn Outside the Classroom

Julia Listwak

The Palace of Versailles: The Significance of French Architecture

Haedyn Brewer

An Interpretation of Okinawan Karate Identity through a Comparative Analysis of Its Popular History

Addy Hildebrand

The Ethics of Dark Tourism on Alcatraz Island

Poster Session

Posters available 12-4:30

Q & A 3:30-4:30

1st Floor of Library

Presenters:

Abdulelah Alsarhan - *Optimal Location for a Breast Cancer Screening Service*

Melanie Andrew - *Ukraine Turns to Soft Power During Conflict. A Study of Ukraine's Soft Power Use After the Russian Invasion*

Gianna Anthony - *Correlation Between Marketing of Robert Morris University's Men's and Women's Basketball Teams and Game Attendance*

Marin Bishop & Dustin Behrendt - *Astromech Transport Box & Control System Update*

Joshua Borovich - *Laser Welding of 3D Printed Samples*

Anaya Brisbon - *Black Maternal Health: Morbidity and Mortality of Black Mothers*

Madalyn Byrnes - *Customers' Shopping Preferences: Online vs In-person*