



ΠΑΙΔΕΙΑ PAIDEIA

CHRISTOPHER NEWPORT UNIVERSITY

—2015—



The Fourteenth Annual
UNDERGRADUATE AND GRADUATE
STUDENT RESEARCH CONFERENCE



Saturday, April 11, 2015

CHRISTOPHER NEWPORT UNIVERSITY
MCMURRAN HALL, DAVID STUDENT UNION AND
THE FERGUSON CENTER FOR THE ARTS

PAIDEIA 2015

The Fourteenth Annual UNDERGRADUATE AND GRADUATE STUDENT RESEARCH CONFERENCE

ORGANIZED BY THE UNDERGRADUATE
AND GRADUATE RESEARCH COUNCIL

DR. MARGARITA MARINOVA (CO-CHAIR) DR. LAURA GRACE GODWIN (CO-CHAIR)

DR. DAVID GORE

DR. JEN KNIES

DR. BRIAN PUACA

DR. JILL RUSSETT

DR. MARK STEINER

Saturday, April 11, 2015

CHRISTOPHER NEWPORT UNIVERSITY

PAIDEIA (PI-DAY-UH): *The classical Greek education of liberal learning*

*This conference was organized and sponsored by the University's Undergraduate and
Graduate Research Council (UGRC) and the Office of the Provost.*



SPECIAL THANKS TO OUR STUDENT ASSISTANTS AND VOLUNTEERS

Jeanette Corey

Marion Gloor

Lynsie Hudson

Ben Johnson

Kelsey Stiles

Tessa Theis

Zachary Walseman



MCMURRAN HALL AND DAVID STUDENT UNION BALLROOM

SCHEDULE		
8-9 a.m.	Breakfast	McMurrans Hall Lobby
8 a.m.-3 p.m.	Registration	McMurrans Hall Lobby
9-10:20 a.m.	Session I	McMurrans Hall
10:20-10:30 a.m.	Break	
10:30 a.m.-12 p.m.	Session II	McMurrans Hall
12-1:20 p.m.	Poster Session I <i>Authors Present</i>	DSU
12-1:10 p.m.	Lunch/Coffee	McMurrans Hall 101
12:20-1 p.m.	Keynote Address: Michael S. Bland (Class of '97 and '01)	DSU
1:20-3 p.m.	Poster Session II <i>Authors Present</i>	DSU
1:20-3 p.m.	Session III	McMurrans Hall
3:05-4:10 p.m.	Session IV	McMurrans Hall

ADDITIONAL EVENTS AT THE FERGUSON CENTER FOR THE ARTS

ART CNU SENIOR THESIS EXHIBITION

All Day

Falk Gallery — Ferguson Center

ART CNU SENIOR THESIS EXHIBITION RECEPTION

12 p.m.

Falk Gallery — Ferguson Center

ART HISTORY SENIOR SYMPOSIUM

Chaired by Dr. Margaret Richardson

Ferguson Center 201
1 p.m.

Shedding a New Light on Baroque Painting
Frances Grattan

*"They Saw Your Photos": The Impact of Photography on the
American Civil Rights Movement*
Sally Meyer

*Urban Transcendentalism: Emerson's Presence in
Edward Hopper's Urban Landscape*
Ashley Duffey

Roy Lichtenstein's Romance: His Series of Women
Brittany Rucker

*A Study of the Hampton Museum's Egungun
and the Yoruba People*
Jordan Hubbert

ADDITIONAL EVENTS AT THE FERGUSON CENTER FOR THE ARTS

THEATERCNU DANCE PRESENTATIONS

Chaired by Professor Ann Mazzocca

Ferguson Center Dance Studio

1 p.m.

Postmodern Techniques: Improvisation and Scoring

Sarah Eckley

Katie Fisher

Alexandra Gutowski

Olivia Natale

Choreographic Projects

Wake Me Up by Sarah Eckley

Sarah Eckley, Olivia Natale, Casey Sciance

Our Masterpiece by Alexandra Gutowski

Quiera Nubie and Emily Leich

Runaway Baby by Olivia Natale

Sarah Eckley, Olivia Natale, Casey Sciance

THEATERCNU PERFORMANCE

Tartuffe by Molière – directed by Jim Iorio, featuring the work of CNU students:

Shelby Smith

Lauren Lee

Victoria Grabeel

Megan Lorincz

Derek Martin

Vinnie Demafeliz

Kiera Higgins

Cody Hall

Topher Embrey

Cheyenne Christopher

Hogan Holt

Sam Jones

Andrew Holz

Erin McFarland

Kendall Khan

Josh Carias

Beth Ellen Miles

Bonnie Newton

Mitchell Mahoney

Sara Carpenter

Tori Clodfelter

Meg Morril

Hunter Mass

Sadie Carr

Ran Johnson

Chelsea Laclergue

Gabby Stephenson

Maria Carias

Deion Hopkins

Emma Berry

Kelsey Vu

Anna Ryan

Jonathan Price

Lancelot Boit

Elizabeth Wilder

Ben Brackley

Peter Williams

Julia Bowman

Elizabeth Williamson

Kiera Kelly

Christiana Kaniefski

Theron Duitsman

Cecily Wynne

Angel Maimone

Shannon Farrow

Cian Girven

Alex McPherson

SESSION I 9:10–10:20 A.M.

THE “OTHER” AND HYBRIDITY: SUCCESSFULLY NEGOTIATING ALTERITY

MCM 112 • Moderator: Dr. Jean Filetti

9-9:20 a.m.	<i>The Third Space as a Means of Rejecting the Label of Other</i> <u>Caitlin Weirick</u> , faculty sponsor: Dr. Jean Filetti
9:20-9:40 a.m.	<i>The Woman Warrior: The Silent Creation of a Third Space</i> <u>Hayley Struzik</u> , faculty sponsor: Dr. Jean Filetti
9:40-10 a.m.	<i>From One Other to Another: The “Othered” Child Protagonists and Helpful Monsters</i> <u>Rachel Condon</u> , faculty sponsor: Dr. Jean Filetti
10-10:20 a.m.	<i>(Lack of) Empowerment through Animal Identity in Immigrant Literature</i> <u>Shannon Hoggatt</u> , faculty sponsor: Dr. Jean Filetti

YOUNG ADULT LITERATURE

MCM 114 • Moderator: Dr. Kara Keeling

9-9:20 a.m.	<i>Hunger, Poverty, Abandonment and Identity Development in Young Adult Literature</i> <u>Kristina Huffman</u> , faculty sponsor: Dr. Scott Pollard
9:20-9:40 a.m.	<i>First Loves and First Times: An Exploration of Romance in Young Adult Literature</i> <u>Erika Smith</u> , faculty sponsor: Dr. Kara Keeling
9:40-10 a.m.	<i>“Until You Climb Into His Skin and Walk Around in It:” Making Meaning From the Differences in Character Development in Adolescent Literature</i> <u>Paige Butterfield</u> , faculty sponsor: Dr. Kara Keeling
10-10:20 a.m.	<i>Literary Format and Identity in Anderson’s <u>Speak</u></i> <u>Hillary Braden</u> , faculty sponsor: Dr. Kara Keeling

SOCIOLOGY, SOCIAL WORK AND ANTHROPOLOGY

MCM 160 • Moderator: Dr. Linda Waldron

9-9:20 a.m.	<i>Hegemonic Masculinity, Heterosexuality and Violence</i> <u>Dana Nissel</u> , faculty sponsor: Dr. Linda Waldron
9:20-9:40 a.m.	<i>A Neurobiological Perspective to Youth Violence</i> <u>Ashley Demoss</u> , faculty sponsor: Dr. Linda Waldron
9:40-10 a.m.	<i>Visibility and Victimization: Transgender Youth, Social Media and Violence</i> <u>Hayley Baugham</u> , faculty sponsor: Dr. Linda Waldron
10-10:20 a.m.	<i>Zero Tolerance in School Discipline: A Case Study of Discipline in a Mid-Sized Urban Middle School</i> <u>Ryan Densley</u> , faculty sponsor: Dr. Linda Waldron

SESSION I 9:10–10:20 A.M.

BUSINESS

MCM 162 • Moderator: Dr. Ronnie Cohen

9–9:20 a.m.

Data Analysis: Profit Margin vs. Country Azure Gardner,
faculty sponsor: Dr. Thomas Hall

9:20–9:40 a.m.

The Payday Loan Trap Adia Hughes, faculty sponsor:
Dr. Ronnie Cohen

9:40–10 a.m.

Bitcoin: A Superior Cryptocurrency John Piercey, faculty sponsor:
Dr. Ronnie Cohen

FINE AND PERFORMING ART HISTORY

MCM 164 • Moderator: Dr. Elizabeth Morán

9–9:20 a.m.

Aztec Literature and Writing Rebekah Anderson, faculty sponsor:
Dr. Elizabeth Morán

9:20–9:40 a.m.

Aztec Origins in the Mexicanidad Revolution Clanci Conover,
faculty sponsor: Dr. Elizabeth Morán

9:40–10 a.m.

Reclaiming Center Stage: Britten's Canticle II Callie Boone,
faculty sponsor: Dr. Mary Ward-Griffin

10–10:20 a.m.

*Stealing Opera in the Georgian Era: Tracing Michael Kelly
and The Four Thieves* Matthew Kelly, faculty sponsor:
Dr. Mary Ward-Griffin

SESSION I 9:10–10:20 A.M.

COMMUNICATION STUDIES

MCM 212 • Moderator: Dr. Evan Center

9-9:20 a.m.

She Obviously Knows What She's Doing: An Exploration of Agency in The Last of Us Charles Brewer, faculty sponsor: Dr. Evan Center

9:20-9:40 a.m.

Fueling the Fire: A Study of Religious Satire in a Tension-Filled World as Exemplified in Family Guy Shayda Moosavizadeh, faculty sponsor: Dr. Evan Center

9:40-10 a.m.

The #YesAllWomen Hashtag Sarah Perrett, faculty sponsor: Dr. Evan Center

10-10:20 a.m.

Deconstructing the New Woman in House of Cards' Claire Underwood Kaitlyn Vickers, faculty sponsor: Dr. Evan Center

WRITING EXPLORATIONS

MCM 216 • Moderator: Dr. Trevor Hoag

9-9:20 a.m.

Timothy St. James Virginia Desantis, faculty sponsor: Dr. Ivan Roden

9:20-9:40 a.m.

Poetry Night Erin Black, faculty sponsor: Dr. Ivan Roden

9:40-10 a.m.

The Ones Who Walked Away From Omelas Laura Ewers, faculty sponsor: Dr. Trevor Hoag

10-10:20 a.m.

Kant — The Good Will and Morality Ursula K. Le Guin, faculty sponsor: Dr. Trevor Hoag

— THIS ENDS SESSION I —

SESSION II 10:30 A.M.–12 P.M.

THE “OTHER” IN A BINARY SOCIETY

MCM 112 • Moderator: Dr. Jean Filetti

10:30–10:50 a.m.	<i>Vampires as Representations of the “Other”</i> <u>Olga Slobodyanyuk</u> , faculty sponsor: Dr. Jean Filetti
10:50–11:10 a.m.	<i>Blindness and Barriers, Barbarians and Beans</i> <u>Katherine Barnhill</u> , faculty sponsor: Dr. Jean Filetti
11:10–11:30 a.m.	<i>The “Otherness” of the Soldier</i> <u>Brianna Duffy</u> , faculty sponsor: Dr. Jean Filetti
11:30–11:50 a.m.	<i>The Othering of Immigrants Through Americanization: An Analysis of <u>My Antonia</u> and <u>The Woman Warrior</u></i> <u>Taylor Mahaley</u> , faculty sponsor: Dr. Jean Filetti

LITERARY EXPLORATIONS

MCM 114 • Moderator: Dr. Scott Pollard

10:30–10:45 a.m.	<i>The Nature of Demons: Defining Geraldine’s Nature in Coleridge’s <u>Christabel</u></i> <u>Megan Malone</u> , faculty sponsor: Dr. Kara Keeling
10:45–11 a.m.	<i>The Gothic Romance and Separation From Civilization in Coleridge’s Poems</i> <u>Brittany Lythgoe</u> , faculty sponsor: Dr. Kara Keeling
11–11:15 a.m.	<i>The Insignificance of Children and Blake’s Call for Social Justice</i> <u>Corrie Powell</u> , faculty sponsor: Dr. Kara Keeling
11:15–11:30 a.m.	<i>In Pursuit of the Ideal Youth: The Valuing of a Pastoral Childhood</i> <u>Christina Wordham</u> , faculty sponsor: Dr. Kara Keeling
11:30–11:45 a.m.	<i>Preserving Scottish Identity: Robert Burn’s Poetry and the Burns Night Celebration</i> <u>Kaitlyn Dunn</u> , faculty sponsor: Dr. Scott Pollard

SESSION II 10:30 A.M.–12 P.M.

MATHEMATICS, PHYSICS, COMPUTER SCIENCE, ENGINEERING

MCM 160 • Moderator: Dr. Aaron Koehl

10:30-10:50 a.m.	<i>The Disappearing Sphere</i> <u>Cameron Higgins</u> , faculty sponsor: Dr. Mihaela Dobrescu
10:50-11:10 a.m.	<i>An Analysis of the Zeus Botnet</i> <u>Thomas Mangin</u> , faculty sponsor: Dr. Aaron Koehl
11:10-11:30 a.m.	<i>Improving the Computational Efficiency of Consecutive Elliptic Curve Point Doublings</i> <u>Matthew McCarthy</u> , faculty sponsor: Dr. Aaron Koehl

CREATIVE WRITING

MCM 162 • Moderator: Dr. Nicole Emmelhainz

10:30-10:45 a.m.	<i>It Was the House That Suffered Most</i> <u>Victoria Lurie</u> , faculty sponsor: Dr. Nicole Emmelhainz
10:45-11 a.m.	<i>From Butterflies to Kisses</i> <u>Nathan Lamarre</u> , faculty sponsor: Dr. Nicole Emmelhainz
11-11:15 a.m.	<i>Pieces</i> <u>Trisha Johnson</u> , faculty sponsor: Dr. Nicole Emmelhainz
11:15-11:30 a.m.	<i>Asking for Trouble: Recollections of a Juvenile Delinquent</i> <u>Kent Kachejian</u> , faculty sponsor: Dr. Nicole Emmelhainz
11:30-11:45 a.m.	<i>Memoir</i> <u>Tara Hart</u> , faculty sponsor: Dr. Nicole Emmelhainz

SESSION II 10:30 A.M.–12 P.M.

COMMUNICATION STUDIES/SOCIOLOGY, SOCIAL WORK, ANTHROPOLOGY

MCM 207 • Moderator: Dr. Danielle Stern

10:30-10:50 a.m.	<i>Examining the Ideology Behind Being “Basic”</i> <u>Katelyn Barley</u> , faculty sponsor: Dr. Danielle Stern
10:50-11:10 a.m.	<i>Bridging the Past and Present: The Cultural Landscapes of the Antietam National Battlefield</i> <u>Elexus Buckner</u> , faculty sponsor: Dr. John Finn
11:10-11:30 a.m.	<i>The Doomsday Vault: Sharing and Guarding the World's Agricultural Diversity</i> <u>John Delisio</u> , faculty sponsor: Dr. Andria Timmer
11:30-11:50 a.m.	<i>Behind the Veil</i> <u>Alexa Lazar</u> , faculty sponsor: Dr. Linda Manning

LITERARY DIALOGUES

MCM 210 • Moderator: Dr. Roberta Rosenberg

10:30-10:45 a.m.	<i>The Effects of Suicide in <u>Crimes of the Heart</u></i> <u>Victoria Kirzl</u> , faculty sponsor: Dr. Roberta Rosenberg
10:45-11 a.m.	<i>The Generational Effect of Racism in Zora Neale Hurston's <u>Isis</u></i> <u>Allison Croscutt</u> , faculty sponsor: Dr. Roberta Rosenberg
11-11:15 a.m.	<i>The Need for Culture in Richard Matheson's <u>I Am Legend</u></i> <u>Kylie Bade</u> , faculty sponsor: Dr. Roark Mulligan
11:15-11:30 a.m.	<i>The Abjection of Don Quixote</i> <u>Virginia Gunter</u> , faculty sponsor: Dr. Scott Pollard
11:30-11:45 a.m.	<i>Effects of Bulling in Dorothy Allison's <u>Gospel Song</u></i> <u>Bethany Porter</u> , faculty sponsor: Dr. Roberta Rosenberg

SESSION II 10:30 A.M.–12 P.M.

GOVERNMENT AND HISTORY

MCM 212 • Moderator: Dr. Tatiana Rizova

10:30-10:50 a.m.	<i>Social Indicators of Suicide Terrorism: A Quantitative Analysis of the Years 1990-2014</i> <u>Meyrem Baer</u> , faculty sponsor: Dr. Tatiana Rizova
10:50-11:10 a.m.	<i>Evaluating Conflict Resolution in Syria: Lessons From Bosnia-Herzegovina</i> <u>Elisabeth Harris</u> , faculty sponsor: Dr. Tatiana Rizova
11:10-11:30 a.m.	<i>Islam and Modern Human Rights: Shariah Law and the Case for Reformation</i> <u>David Snyder</u> , faculty sponsor: Dr. Matthew Mendham
11:30-11:50 a.m.	<i>From Yellow Peril to Red Menace: The Evolving Role of Perception in Sino-American Relations, 1882-1956</i> <u>Morgan Thomas</u> , faculty sponsor: Dr. Andrew Falk

COMMUNICATION STUDIES AND HISTORY

MCM 216 • Moderator: Dr. Evan Center

10:30-10:50 a.m.	<i>The Cleaver Complex: The Creation of the Ideal Family</i> <u>Danielle Doughty</u> , faculty sponsor: Dr. Nigel Sellars
10:50-11:10 a.m.	<i>A Critical Look at Modern Family Through the Lenses of Queer Theory</i> <u>Jillian Hobbs</u> , faculty sponsor: Dr. Evan Center
11:10-11:30 a.m.	<i>Tolkien, Martin and Developing the Fantasy Myth</i> <u>Andrew Simpson</u> , faculty sponsor: Dr. Evan Center
11:30-11:50 a.m.	<i>Incoming Transmission: A Look at Gene Roddenberry, Star Trek and the Message</i> <u>Alexander Thompson</u> , faculty sponsor: Dr. Eric Duskin

— THIS ENDS SESSION II —

POSTER SESSION I 12–1:20 P.M.

Authors Present • Location: Street of David Student Union

1. ***Transcription Factor *hlh-2/E/Daughterless* Drives Expression of a *integrin ina-1* During DTC Migration in *C. elegans**** Allison Kann,
faculty sponsor: Dr. Christopher Meighan
2. ***Hydrolase Activity in BC0361, a Putative Polysaccharide Deacetylase*** Emily Stuart and James Massie, faculty sponsor: Dr. Kathryn Cole
3. ***The Structural Determination of D25*** Hayley Widden, faculty sponsor:
Dr. Kathryn Cole
4. ***Nitrate Ion Partitioning Within Aerosol*** Andrew Simmons, faculty sponsor:
Dr. Joshua Patterson
5. ***Biogenic Development and Marsh Response to Living Shoreline Reefs*** Austrine Davies, faculty sponsor: Dr. Russell Burke
6. ***On-Bottom Oyster Recruitment of Research Anchor Systems in the Elizabeth River*** Blake Ivey, faculty sponsor: Dr. Russell Burke
7. ***Monitoring of The Nature Conservancy's Eastern Shore Sanctuary Oyster Reef Network*** Malia Pownall, faculty sponsor: Dr. Russell Burke
8. ***Oyster Castle Reef Performance in The Nature Conservancy's Eastern Shore Sanctuary*** Sean Robertson, faculty sponsor: Dr. Russell Burke
9. ***Gender Differences in Leadership*** Katie Kelly, faculty sponsor: Dr. Nathan Harter
10. ***Contexts and Organization of Leadership Studies*** Rowan Spence,
faculty sponsor: Dr. Nathan Harter
11. ***Development of Equipment for Rodent Eyeblink Conditioning*** Nigel Armstrong,
faculty sponsor: Dr. Matthew Compolattaro
12. ***Zebrafish Preference for Social or Food Rewards*** Katelyn Gudyka,
faculty sponsor: Dr. Andrew Velkey
13. ***Studying the Effects of Methylene Blue on the 3xTg-AD Mouse Model of Alzheimer's Disease*** Kelsey Jackson, faculty sponsor: Dr. Darlene Mitrano
14. ***Cycling Estrogen Treatment Enhances Acquisition and Retention of Spatial Memory Under Stress-Free Conditions*** Erin Mabry, faculty sponsor:
Dr. Olga Lipatova
15. ***Effect of Task Demands on Event-Related Potential (ERP) Correlates of Recollection*** Jennifer Miller, faculty sponsor: Dr. Leslie Rollins
16. ***One Hundred Years of the Classically Conditioned Blink Response*** Melissa Ryan,
faculty sponsor: Dr. Matthew Compolattaro

POSTER SESSION I 12–1:20 P.M.

Authors Present • Location: Street of David Student Union

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| 17. | <i>Reference and Working Memory in the T-Maze With Rats</i> <u>Sean Savage</u> ,
faculty sponsor: Dr. Matthew Campolattaro |
| 18. | <i>17-βEstradiol Negatively Impacts Reproductive Behaviors in the Betta Splendens Animal Model</i> <u>Karli Wensel</u> , faculty sponsor: Dr. Andrew Velkey |
| 19. | <i>The Effects of Copper on Alzheimer's Disease-Related Proteins in Zebrafish</i> <u>Chelsea Heil</u> , faculty sponsor: Dr. Katie Wiens |
| 20. | <i>Properties Designs for TheaterCNU Main Stage Productions</i> <u>Cian Girven</u> ,
faculty sponsor: Dr. Laura Grace Godwin |
| 21. | <i>Scenic Designs for TheaterCNU Main Stage Productions</i> <u>Gabby Stephenson</u> ,
faculty sponsor: Denise Gillman, Associate Professor |
| 22. | <i>The Importance of Diversity for Innovation and Business Strategy</i> <u>Chelsea Ellis</u> ,
faculty sponsor: Dr. Rana Gautam |
| 23. | <i>FDR Bank Holiday</i> <u>Katie Kelly</u> , faculty sponsor: Dr. Nathan Harter |
| 24. | <i>Supported Gold Nanoparticles as a Heterogeneous Catalyst for the 4-Nitrophenol Reduction</i> <u>Angelica Jusino</u> , faculty sponsor:
Dr. Tarek Abdel-Fattah |
| 25. | <i>The Removal of Pertechnetate's Congener Perhennate From Aqueous Media Using Iron-Modified Activated Carbon</i> <u>Mathieu Morin</u> , faculty sponsor:
Dr. Tarek Abdel-Fattah |
| 26. | <i>When'slt? A Cross-Platform Mobile Application That Increases Awareness of Historical Sites and Museums While Making Learning Fun for All Ages</i> <u>Robert White</u> , faculty sponsor: Dr. Aaron Koehl |
| 27. | <i>3D Printed CubeSat Space Flight Testing</i> <u>Susannah Darling</u> , faculty sponsor:
Dr. Anna DeJong |

POSTER SESSION II 1:20–3 P.M.

Authors Present • Location: Street of David Student Union

1. ***Preliminary Investigation of Pathogen Transmission Contacts in College Party Settings: Suck and Blow and Status Quo*** Paige Bloomquist, faculty sponsor: Dr. Thomas Berry
2. ***The Effects of Divorce on Children: A Comprehensive Cause-Effect Model*** Madison Bloxom, faculty sponsor: Dr. Thomas Berry
3. ***The Development of a Verbal Task for Cognitive Flexibility: Structuring Instructions for Improvement*** Amanda Bradbury, faculty sponsor: Dr. Gayle Dow
4. ***A Human Factors Analysis of Note-Taking Technologies: Designing for the 21st Century*** Amanda Bradbury, faculty sponsor: Dr. Thomas Berry
5. ***The Criminal Brain*** Meghan Casey, Isabelle Clough and Rachel Newell, faculty sponsor: Dr. Gayle Dow
6. ***Designing Multipurpose Compost Unit to Encourage Urban Agriculture Practices for a Sustainable World*** Caroline Cox, faculty sponsor: Dr. Thomas Berry
7. ***Vulnerability to Facebook May Lead to Depression: The Critical Role of Neuroticism and Social Comparison Theory*** Danielle DeLucia, faculty sponsor: Dr. Thomas Berry
8. ***The Importance of Family Structure for Positive Mental Health in Adolescents*** Turesa Gilchrist and Kaitlyn Seay, faculty sponsor: Dr. Susan Antaramian
9. ***Evaluating Cough Etiquette Compliance With Center of Disease Control (CDC) Among University Students*** Jessica Hanson, faculty sponsor: Dr. Thomas Berry
10. ***Sex Differences in Self-Control for Social Reward of Betta Splendens*** Anna Harris, faculty sponsor: Dr. Andrew Velkey
11. ***Effect of Isotocin on Danio rerio (Zebrafish) Shoaling Behavior*** Rebecca Henenlotter, faculty sponsor: Dr. Andrew Velkey
12. ***Adaptive Coping in College Students Facing a Family Illness*** Krystian Hudson, faculty sponsor: Dr. Susan Antaramian
13. ***Effects of and Intervention for Chronic Illness on Siblings*** Katelyn Jarrett, faculty sponsor: Dr. Laurie Hunter
14. ***The Effects of Reality and Reading on Felt Empathy*** Tayler Jordan, faculty sponsor: Dr. Thomas Berry
15. ***Toxic Masculinity and Mental Illness in Military Veterans*** Marinella Mabalot, faculty sponsor: Dr. Michelle Clark
16. ***Analyzing Mental Health Stigma in the Military Using Industrial/Organizational Psychology: A Theoretical Application*** Meredith Meeks, faculty sponsor: Dr. Michelle Clark

POSTER SESSION II 1:20–3 P.M.

Authors Present • Location: Street of David Student Union

17. ***Neuroeconomics: Connecting Psychology With Neuroscience to Explain Consumer Spending Habits*** Meredith Meeks, faculty sponsor: Dr. Gayle Dow
18. ***Examining University Students' Hand-Washing Behaviors in Public Restrooms*** Kirsten Mendelsohn, faculty sponsor: Dr. Thomas Berry
19. ***Right Hemisphere Damage and Communicative Implications*** Natalie Minard, faculty sponsor: Dr. Thomas Berry
20. ***How Art Therapy Affects Post-Traumatic Stress Disorder: A Literature Review*** Claire Murphy and Whitney Leach, faculty sponsor: Dr. Sherman Lee
21. ***The Internal and External Grief Experiences of Adolescents: A Literature Review*** Benjamin Pearce and Sabrina Callan, faculty sponsor: Dr. Sherman Lee
22. ***Talk-Therapy vs. Psychiatry: The Need for a Focus on the Cognitive Increases*** Emily Reed, faculty sponsor: Dr. Thomas Berry
23. ***The Role of Hot and Cool Executive Skills in Adults' Reading Comprehension and Health Literacy*** Sarah Rowland, Alexander Hoyes, Olivia Natale, Molly Welsh and Cassandra Bentivegna, faculty sponsors: Dr. Kelly B. Cartwright and Dr. Nicole R. Guajardo
24. ***Female Victims of Childhood Sexual Abuse: Mental Health and Neurological Implications*** Ashley Sansone, Dr. Laurie Hunter
25. ***The Biological Brain Differences of Individuals With and Without Schizophrenia: A Literature Review*** Kristin Smith and Summer Bledsoe, faculty sponsor: Dr. Sherman Lee
26. ***Literary Review: Is Social Support Beneficial to the Injury Healing Process?*** Victoria Taylor and Sarah Troxel, faculty sponsor: Dr. Sherman Lee
27. ***Effects of Word Type and Incentives on Memory*** Jennifer Trice, faculty sponsor: Dr. Diane Catanzaro
28. ***The Effect of Grade-Point Average and Social Support on Life Orientation*** Sarah Troxel and Heather Fish, faculty sponsor: Dr. Jeffrey Niehaus
29. ***Viewpoints on Police Use-of-Force*** Arisa Guerrero, faculty sponsor: Dr. Jeffrey Niehaus
30. ***Political Affiliation, Disgust Sensitivity and Stance on Issues*** Ethan Enz, faculty sponsor: Dr. Jeffrey Niehaus
31. ***The Side Effect Effect: What Do We Think of People Who Help Accidentally?*** Kate Ford, faculty sponsor: Dr. Jeffrey Niehaus
32. ***Effect of binding on ERP Correlates of Recollection in 4- and 6-year-old Children*** Alexander Velosky, faculty sponsor: Dr. Leslie Rollins

POSTER SESSION II 1:20–3 P.M.

Authors Present • Location: Street of David Student Union

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| 33. | <i>Promoting Integrative STEM in the Classroom</i> <u>Sarah Wagner</u> , faculty sponsor:
Dr. Gayle Dow |
| 34. | <i>Belongingness in Adolescents and Effects on Mental Health: A Literature Review</i>
<u>Aleigh Faulk and Asa Townsend</u> , faculty sponsor: Dr. Sherman Lee |
| 35. | <i>Panama and the War on Drugs</i> <u>Timothy Laboy-Coparr</u> , faculty sponsor:
Dr. Danielle Velardi |
| 36. | <i>Religiosity and Dark Personality Characteristics</i> <u>Timothy Koch</u> , faculty sponsor:
Dr. Gayle Dow |
| 37. | <i>Examining the Fading Affect Bias In Alzheimer Patients, Dementia Patients,
Elderly and College Students</i> <u>Hannah Nierie</u> , faculty sponsor:
Dr. Jeffrey Gibbons |
| 38. | <i>Fading Affect Bias Across Video Game and Non-Video Game-Related Events</i>
<u>Lauren Shriver</u> , faculty sponsor: Dr. Jeffrey Gibbons |
| 39. | <i>FAB Across Social Media and Non-Social Media Events</i> <u>Kalli Wilson</u> ,
faculty sponsor: Dr. Jeffrey Gibbons |

SESSION III 1:20–3 P.M.

BLACK AND WHITE MEN IN PERIL: SOLDIER, SUPERHERO, POET AND SOUTHERN MAN

MCM 112 • Moderator: Dr. Terrance Lee

1:20-1:40 p.m.	<i>"Oh Father Where Art Thou?": Typology of Fathers and How They Affect Their Sons in a Rumor of War</i> <u>Trisha Johnson</u> , faculty sponsor: Dr. Terrence Lee
1:40-2 p.m.	<i>Dope, Death, Dead, Dying and Living: A Young Black Male's Journey to Manhood</i> <u>Faith Swan</u> , faculty sponsor: Dr. Terrence Lee
2-2:20 p.m.	<i>"Fighting Is All We Do": The Transition From Man to Monster</i> <u>Theresa Liveisberger</u> , faculty sponsor: Dr. Terrence Lee
2:20-2:40 p.m.	<i>Myths and Mern: Masculinity in Gods in Norse Mythology and Modern Adaptations</i> <u>Christina Wordham</u> , faculty sponsor: Dr. Terrence Lee

COMMUNICATION STUDIES/LEADERSHIP AND AMERICAN STUDIES

MCM 114 • Moderator: Dr. Nathan Harter

1:20-1:40 p.m.	<i>The Implications of Using Artificial Intelligence for Decision Making as Applied to the Field of Leadership Studies</i> <u>Brandon Hubbard</u> , faculty sponsor: Dr. Nathan Harter
1:40-2 p.m.	<i>The Implications of Using Artificial Intelligence for Decision Making as Applied to the Field of Leadership Studies</i> <u>Kayla McDonald</u> , faculty sponsor: Dr. Nathan Harter
2-2:20 p.m.	<i>The Implications of Using Artificial Intelligence for Decision Making as Applied to the Field of Leadership Studies</i> <u>Isaac (Jefferson) Schliefer</u> , faculty sponsor: Dr. Nathan Harter
2:20-2:40 p.m.	<i>The Social Implications of Wearable Technology</i> <u>Thomas Conner</u> , faculty sponsor: Dr. Danielle Stern

SESSION III 1:20–3 P.M.

MOLECULAR BIOLOGY AND CHEMISTRY

MCM 160 • Moderator: Dr. Geoffrey Klein

1:20-1:40 p.m.

Comparison of Aqueous and Non-Aqueous Cobalt Solutions and Deposited Films Thomas Dushatinski, faculty sponsor:
Dr. Tarek Abdel-Fattah

1:40-2 p.m.

Multi-Walled Carbon Nanotube Composite Transparent Conductive Electrodes Thomas Dushatinski, faculty sponsor:
Dr. Tarek Abdel-Fattah

2-2:20 p.m.

Effectiveness of Asphaltene Flocculation Inhibitors for an Increase in Crude Oil Stability Melissa Rizor, faculty sponsor:
Dr. Geoffrey Klein

2:20-2:40 p.m.

Nitrate Ion Partitioning Within Aerosol Andrew Simmons,
faculty sponsor: Dr. Joshua Patterson

ORGANISMAL AND ENVIRONMENTAL BIOLOGY

MCM 162 • Moderator: Dr. Robert Atkinson

1:20-1:40 p.m.

Improving the Trade: Analyzing Shade Competition in Created Wetlands Using ArcGIS Preston Foote, faulty sponsor:
Dr. Robert Atkinson

1:40-2 p.m.

Plant Community Changes in Response to Restored Hydrology Within Lake Tecumseh in Virginia Beach, VA Julie Slater,
faculty sponsor: Dr. Robert Atkinson

2-2:20 p.m.

Black Mangroves (Avicennia germinans) Non-Randomly Distributed the Concentration and Composition of UV-Absorbing Compounds Within Their Canopies
Jenna Wingfield, Dr. Lauren Ruane, Dr. Joshua Patterson,
faculty sponsor: Dr. Lauren Ruane

SESSION III 1:20–3 P.M.

HISTORY

MCM 207 • Moderator: Dr. Brian Puaca

1:20-1:40 p.m.	<i>The Memory of the Second World War in France</i> Megan Gamiz , faculty sponsor: Dr. Brian Puaca
1:40-2 p.m.	<i>Sacrificial or Selfish? Good and Bad?: An Analysis of Women and Foreign Soldiers' Portrayal in British Film</i> Richard Sipe , faculty sponsor: Dr. Brian Puaca
2-2:20 p.m.	<i>World War II in Italian Memory: Postwar Italian Cinema</i> Anthony Todd , faculty sponsor: Dr. Brian Puaca
2:20-2:40 p.m.	<i>Deception, Darkness and Resilience: Polish National Identity and Recollection of WWII Occupation</i> Morgan Thomas , faculty sponsor: Dr. Brian Puaca

BUSINESS AND HISTORY

MCM 210 • Moderator: Dr. Nigel Sellars

1:20-1:40 p.m.	<i>Indigenous Injustices in Peru</i> Alyson Bergamini , faculty sponsor: Dr. William Connell
1:40-2 p.m.	<i>The Narcocorrido in Context</i> Tanya Freeman , faculty sponsor: Dr. William Connell
2-2:20 p.m.	<i>International Challenges Presented by IUU Fishing</i> Carolyn Iwicki , faculty sponsor: Dr. William Connell
2:20-2:40 p.m.	<i>Within-Nation Economic Inequality Reform</i> Lauren Waldrop , faculty sponsor: Dr. William Connell

ECONOMICS

MCM 212 • Moderator: Dr. Travis Taylor

1:20-1:40 p.m.	<i>The Cultural Commodity: Cultural Heritage in a Globalizing World</i> Katelyn Brown , faculty sponsor: Gemma Kotula, Instructor
1:40-2 p.m.	<i>German Renewable Energy: Economic Responsibility and Market Distortion</i> Walter Gilmour , faculty sponsor: Dr. Laura Lamontagne
2-2:20 p.m.	<i>The History and Effects of the Red Scare</i> Charles McCracken , faculty sponsor: Dr. Travis Taylor

SESSION III 1:20–3 P.M.

PHILOSOPHY AND RELIGIOUS STUDIES

MCM 216 • Moderator: Dr. Eric Silverman

1:20-1:40 p.m.	<i>The Condition of Unconditional Love</i> <u>Samuel Atkinson</u> , faculty sponsor: Dr. Eric Silverman
1:40-2 p.m.	<i>Love: Is It Basic?</i> <u>Sarah Courtney</u> , faculty sponsor: Dr. Eric Silverman
2-2:20 p.m.	<i>The Significant Role of Love in a Darwinian World</i> <u>David Harmon</u> , faculty sponsor: Dr. Eric Silverman
2:20-2:40 p.m.	<i>Saving the Paragon: A Response to Contemporary Interpretations of Socrates' <u>Daionion</u></i> <u>Ryan King</u> , faculty sponsor: Dr. Elizabeth Jelinek
2:40-3 p.m.	<i>Phaedrus's Revenge: Courtly Love From Plato to Cappelanus</i> <u>Grayson O'Reilly</u> , faculty sponsor: Dr. Eric Silverman

— THIS ENDS SESSION III —

SESSION IV 3:05–4:10 P.M.

ANTON CHEKOV'S SHORT FICTION

MCM 112 • Moderator: Dr. Margarita Marinova

3:05-3:20 p.m.	<i>Fluidity and Fulfillment In Chekhov's <u>The Betrothed</u></i> <u>Michelle Carman-McClanahan</u> , faculty sponsor: Dr. Margarita Marinova
3:20-3:35 p.m.	<i>The Power of Social Standards: The Blind Interpretations of "Sweetheart"</i> <u>Camden Childress</u> , faculty sponsor: Dr. Margarita Marinova
3:35-3:50 p.m.	<i>Agatha Transcending: Chekhov as a Modern Feminist</i> <u>Jordan Zavodny</u> , faculty sponsor: Dr. Margarita Marinova
3:50-4:05 p.m.	<i>Thin and Fat: A Marxist and Deconstructive Perspective on Anton Chekov</i> <u>Nathan Siemienski</u> , faculty sponsor: Dr. Margarita Marinova

SESSION IV 3:05–4:10 P.M.

THEATER AND DANCE

MCM 114 • Moderator: Dr. Laura Grace Godwin

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| 3:05-3:25 p.m. | <i>The Who and the How: The Sociopolitical Impact of a Storyteller's Identity</i> <u>Shannon Farrow</u> , faculty sponsor: Dr. Laura Grace Godwin |
| 3:25-3:40 p.m. | <i>Words From the Woods: Exploring Moral Dilemmas Through Music and Text</i> <u>Annie Hulcher</u> , faculty sponsor: Dr. Laura Grace Godwin |
| 3:45-3:55 p.m. | <i>Challenging Through Comedy: The Use of Cognitive Dissonance and Controversy in Educational Theatre</i> <u>Chelsea Laclergue</u> , faculty sponsor: Dr. Laura Grace Godwin |

MODERN AND CLASSICAL LANGUAGES AND LITERATURES

All talks will be in Spanish

MCM 160 • Moderator: Dr. Danielle Velardi

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| 3:05-3:25 p.m. | <i>Why We Need Mexico</i> <u>Ethan Edghill</u> , faculty sponsor: Dr. Danielle Velardi |
| 3:25-3:45 p.m. | <i>Cuba and Its Misconceptions</i> <u>Alina Sanchez</u> , faculty sponsor: Dr. Danielle Velardi |

MODERN AND CLASSICAL LANGUAGES AND LITERATURES

MCM 162 • Moderator: Dr. Sharon Larson

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| 3:05-3:20 p.m. | <i>The Private Realm Into the Public Sphere: The Evolution of Motherhood in France</i> <u>Patricia Seidel</u> , Dr. Sharon Larson |
| 3:20-3:35 p.m. | <i>Refugees and La Raza Cosmica: Mexico's Galvanization to Sign the Cartagena Declaration on Refugees</i> <u>Elizabeth Sellers</u> , faculty sponsor: Dr. Sharon Larson |
| 3:35-3:50 p.m. | <i>Off His High Horse</i> <u>Emma Oliver</u> , faculty sponsor: Dr. Nicolay Ostrau |
| 3:50-4:05 p.m. | <i>Imagined and Real Communities: The Tumultuous Quest for Utopia</i> <u>Anna Saldanha</u> , faculty sponsor: Dr. Michael Mulryan |

SESSION IV 3:05–4:10 P.M.

NEUROSCIENCE AND PSYCHOLOGY

MCM 164 • Moderator: Dr. Matthew Campolattaro

3:05-3:20 p.m.

Restorative Responses to Natural and Urban Stimuli: An ART-Based Intervention [Isaac Schleifer](#), faculty sponsor: Dr. Matthew Campolattaro

3:25-3:35 p.m.

The Effects of Priming and Source on the Believability and Recognition of Headlines [Sarah Davis](#), faculty sponsor: Dr. Jeffrey Gibbons

3:35-3:50 p.m.

Examining the Fading Affect Bias in Romantic and Non-Romantic Relationships [Kalli Wilson](#), faculty sponsor: Dr. Jeffrey Gibbons

3:50-4:05 p.m.

Is There A "Parenthood Penalty" in Hiring Decisions? [Stephanie Spiroff](#), faculty sponsor: Dr. Diane Catanzaro

AFRICAN-AMERICAN STUDIES

MCM 210 • Moderator: Dr. Patricia Hopkins

3:05-3:20 p.m.

When Rape Wasn't Real: Sexual Assault During American Slavery [Kaitlyn Dunn](#), faculty sponsor: Dr. Patricia Hopkins

3:25-3:35 p.m.

Trying to Find Blackness: An Analysis of Blackness and Black Identity Development Spanning Jim Crow to the Harlem Renaissance [Tyrell Cooper](#), faculty sponsor: Dr. Patricia Hopkins

3:35-3:50 p.m.

The Power of Religion: An Analysis of the Religious Rhetoric of the Civil Rights Movement as an Example of Religious Power to Bring About Social Change [Richard Sipe](#), faculty sponsor: Dr. Patricia Hopkins

3:50-4:05 p.m.

The Skin I'm In: Student Perceptions of African American Skin Tones [Desiree Moore](#), faculty sponsor: Dr. Christopher Loy

— THIS ENDS SESSION IV —



CHRISTOPHER NEWPORT

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