

NURVa

Network for Undergraduate Research in Virginia

Third Annual Network for Undergraduate Research in Virginia Conference

Saturday, January 21, 2023
Christopher Newport University
Newport News, VA

www.nurva.org

nurva1788@gmail.com

On Facebook at <https://www.facebook.com/groups/nurva>

Network for Undergraduate Research in Virginia (NURVa)

- Current Board of Directors
 - Chair: Dr. David A. Salomon, Christopher Newport University
 - Vice Chair: Dr. Michael Wolyniak, Hampden-Sydney College
 - Treasurer: Prof. Keri Swaby, Virginia Tech
 - Secretary: Dr. Joseph Wirgau, Radford University

Thanks to Ms. Michaelae Baux (Admin Asst for CNU OURCA), Olivia Brubaker (OURCA Student Fellow), Christopher Newport University OURCA Ambassadors, CNU's Office of Scheduling and Catering.

General Information

- Registration will be open until 11am.
- Water bottle filling stations are located throughout the Tribble Library and the David Student Union. Restrooms are located throughout the Tribble Library and the Torggler Center.
- WiFi: If you are on eduroam from your home campus, that WiFi connection should automatically connect. Otherwise, connect to "WiFi-CNU-Guest."
- Guest Login Information for Presenters is at computers in the rooms.
- Einstein's Café is open for drinks and snacks in the Tribble Library from 9am-5pm. The Palette Café is open in the Torggler Fine Arts Center from 10am-2pm.

8:00-11:00

Registration and Continental Breakfast (Library Main Rotunda)

8:45 (Library Main Rotunda)

- Welcome, Dr. David A. Salomon, Current Board Chair, Network for Undergraduate Research in Virginia and Director of Undergraduate Research and Creative Activity, Christopher Newport University
- Opening Remarks, Dr. Lynn Lambert, Associate Provost for Research and Dean of Graduate Studies, Christopher Newport University

9:00-9:50

Session A (Library Theater)

- Dylan Patrick Cumbo, Liberty University, "From Warehouse to Prison: Virginia's Civil War Prison Conditions"
- Mary McKenzie Hurley, Christopher Newport University, "Revolutionary Russia and The Birth of Modern Terrorism: Ideologies and Motivations"
- Olivia Brubaker, Christopher Newport University, "William Blake's Illuminated Printing: So What?"

Session B (Library 170)

- Iris J Denner, Christopher Newport University, "Exploring Emerging Adulthood in Adults Without a College Degree"
- Maeve Korengold, Christopher Newport University, "Relationships Between Intersectional Identities and Emerging Adulthood"
- Allison Cooley, Christopher Newport University, "The Unconventional Emerging Adulthood"

Session C (Library 1210)

- Andy Shar and Phillip Glass, Virginia Commonwealth University, "3D Printed Elastomeric Carbon Nanocomposites for Flexible Electronics"

- Dev Patel, Virginia Tech, "Evaluating the Anti-inflammatory Effects of Fish Oil Supplements and Bone Marrow Mononuclear Stem Cells on Pediatric Traumatic Brain Injury"
- Ethan Nguyen and Philip Glass, Virginia Commonwealth University, "3D Topography Maps via 3D Printed Artificial Cilia Sensors"

Session D (Library 208)

- Shane J. Lee, Virginia Tech, "Load Shedding in South Africa: How Solar Panel Deployment can alleviate inequalities"
- Meagan Dewsbury, Christopher Newport University, "Curating the Josephine L. Hughes Special Collection"
- Neha Potla, Emma Geisler, Naomi Begunov, Grace Smith, Makaylah Allen, Jayla Davis, and Arya Hanjagi, Abeer Haroun, Virginia Commonwealth University, "Health and Humanities: An Interdisciplinary Exploration of Mental Health Disparities and Skepticism for Minoritized Groups"

10:00-10:50

Session A (Library Theater)

- Fern Stockton, Christopher Newport University, "The Impact of Queer Representation of Latine Musicians in Latin American Culture"
- Kaiya Keckler, Christopher Newport University, *Clairières Dans Le Ciel* and *Lili Boulanger at the Turn of the Century*"
- Lauren Stone, Christopher Newport University, "Conceptualization and Realization of Theatrical Design: Scene Design Work for TheaterCNU's Production of *The Spitfire Grill*"

Session B (Library 208)

- Emma Josephine Scott, Christopher Newport University, "Comparison of my Grandmothers Emerging Adulthood and Today's Emerging Adulthood"
- Joey Zeldin, University of Mary Washington, "Hollywood, Heinz Field, and the Hill: Analyzing Celebrities and Amateurs in Congressional Elections"
- Grace Walters, Christopher Newport University, "A Mathematical Model of a Social Deduction Game: The Resistance"

Session C (Library 170)

- Hiba Kamal, Virginia Commonwealth University, "Randomized Controlled Trial of Low Calorie vs. Low Carbohydrate Diet on Metabophenotype in Liver Transplant Recipients with Obesity"
- Sania Pullen, Virginia Commonwealth University, "Experiences Serving in an Oral Health Community Advisory Board"
- Shannon O'Keefe, Christopher Newport University, "Exploring Relationships Between Introversion-Extroversion, Attachment Style, Love Languages, and Experiences of Parenting Style in College Students"

Session D (Library 1210)

- Natalie Kidd and Schyler Pauley, Christopher Newport University, "Interpersonal Communication Between Administration and Faculty in Public Primary and Secondary Education"
- Jamie Hewett, Christopher Newport University, "Sibling's Relationship After Both Becoming Emerging Adults"
- Victor K. Mukora, Virginia Tech, "Practical Application of Machine Learning to Solar Energy"

11-11:50

Poster Session 1 (Library: Rosemary Tribble Reading Room) [Numbers indicate the poster station]

- 1. Abbi Green, Radford University, "Secret Salamanders: Predicting hidden diversity in salamanders using geographic, climatic, and life history traits"
- 2. Aimee Buchanan, Christopher Newport University, "The Fading Affect Bias' Relation to Presidential Election and Non-Presidential Election Events Online"
- 3. Allison Dolan, The College of William and Mary, "Do young adults' autistic behaviors predict gaze patterns and emotion identification of social videos?"
- 4. Amanda Works, Liberty University, "More Than a Single Story: Culturally Diverse Literature and Social Inclusion in Elementary Classrooms"
- 5. Andrea Waltrip and Shyanne Michael, University of Mary Washington, "Localization of Transgenes for Drosophila Models of Myotonic Dystrophy Type 1"
- 6. Anna Marie King and Serratt Nong, Liberty University, "Effect of Tetracycline Derivatives on Metastasis in a Murine Mammary Tumor Model"
- 7. Aslaan Siddiqi, Virginia Commonwealth University, "The Role of Diacylglycerol-Lipase- β in the Development and Reversal of Chronic Alcohol-Induced Periphery Neuropathy in Mice"
- 8. Audrey Paduda, Virginia Commonwealth University, "Toxicological effects of two common aquatic anesthetics (MgCl₂ and MS-222) on Scleractinian coral *Pocillopora damicornis*"
- 9. Bandhavi Surisetty and Arjun Nekkanti, Christopher Newport University, "Testing social preference in zebrafish (*Danio rerio*) using the open-tank free-swim task (OTFST)"
- 10. Matthew Traversa, Christopher Newport University, "Abnormal Death Beliefs and Their Consequences"
- 11. Chloe Sy, Virginia Commonwealth University, "Evaluation of a Diversity in Nurse Anesthesia Mentorship Program: A descriptive cross-sectional survey study"
- 12. Danica Tran, Kaniya Whiting, and Zachary Shin, James Madison University, "The CAER (Creative Anticipatory Ethical Reasoning) App"
- 13. David Grace and Sierra Boyce, Christopher Newport University, "The impact of changes in the gut on brain aging and health"
- 14. Elizabeth Germain, College of William & Mary, "Perceived Descriptive Norms and College Students' Sleep Habits"
- 15. Ella White and Aimee Buchanan, Christopher Newport University, "Political and Non-Political Events in the 2020 Election Examined Through Fading Affect Bias Online"
- 16. Elyssa Kancherla and Roman Kelly, The College of William & Mary, "The Effect Attending a High School Named After a Confederate Soldier or Racist Has on One's Sense of Belonging"
- 17. Emery Moore and William Slover, Christopher Newport University, "Generalization of Associative Responding Between Tone-Off Auditory Cues"
- 18. Emily Pappalardo and Gabriela Rocha, Christopher Newport University, "Video Games Related Internet Addiction and Unpleasant Emotions Predict High FAB"
- 19. Gwenyth Farley, Christopher Newport University, "Birth Order and Attachment Security as Predictors of Social Anxiety in a College-Age Sample"
- 20. Hannah Crawley, Christopher Newport University, "The Fabric of Evil: The Structural Components of the Dark Tetrad"
- 21. Henry Harris and Aiden Rucker, Christopher Newport University, "The CARE Program: A Comprehensive Solution to Current Limitations in Bystander Emergency Response Education"
- 22. Jake Raugh, Randolph-Macon College, "Optimization of Pitch Angle and the Effect of Moment of Inertia on the Efficiency of Wind Turbines"
- 23. John Tucker and Olivier Kenol, Christopher Newport University, "Does Priming and Sourcing Impact the Recognition and Believability of Media Headlines?"

- 24. Jordan Pratt, James Madison University, "An Examination of Changes in Buyer Purchasing Attitudes and Shopping Behaviors Pre- and Post-COVID Pandemic"
- 25. Joshua Ring and Emily Allen, Christopher Newport University, "Reliability and Validity of a Computer-Administered Measure of Reading-Specific Executive Function"
- 26. Julia Drennan, William & Mary, "Maskfishing: The Effect of Masking on Our Ability to Predict Faces"
- 27. Julia May and Madeline Killian, University of Mary Washington, "Enlightened Contributions of 18th Century Women in Spain"
- 28. Kashaf Baig, Virginia Commonwealth University, "Health Equity Framing in State Oral Health Plans"
- 29. Katherine Watson, Christopher Newport University, "Potential motoric effects of oral L-dopa may affect impulsive responding in male Betta splendens"
- 30. Kellsey Carter, Sreya Mallipeddi, and Kenzi Fergus, William & Mary, "Assessing attitudes towards individuals with autism through social media"
- 31. Kendyl Titus, Longwood University, "Mental Health in Undergraduate Social Work Education: Identifying the Gaps"

Noon-1:30

Lunch and Graduate School Fair (David Student Union, 2nd Floor Ballroom)

Participating Graduate Schools

- Virginia Tech Graduate School
- Virginia State University
- Virginia Tech Molecular and Cellular Biology Graduate Program
- Christopher Newport University
- Bridgewater College
- Old Dominion University
- Radford University
- Virginia Commonwealth University

12:15 (during lunch)

Vocal Performance on Video (David Student Union, 2nd Floor Ballroom)

- Adalynn Eller, Christopher Newport University, "Clara Schumann: Reigniting Recognition for a Female Composer"

Please take this time to visit two free exhibits:

- Ansel Adams, "Compositions in Nature" (The Anne Noland Edwards Gallery of the Mary M. Torggler Fine Arts Center)
 - The exhibit features more than 70 works, presenting Adams' most renowned works as well as rare and never-before-seen photographs.
- "Timeless: The Comforts of Home" (2nd Floor of Tribble Library Outside of the Media Collection)
 - This undergraduate exhibition is presented by the Advanced Museum Studies course at CNU.

1:15-1:25

Live Dance Performance (Library Main Rotunda)

- Phoebe Salomon, Molly Burke, Rachel Weeks, Caila Light, Makenna Mitchell, Tamiyah McClary, and Lizzy Maisel, Christopher Newport University, "See Me: A Dance Exploring the Invisible Nature of Mental Illness"

1:30-2:20

Poster Session 2 (Library: Rosemary Tribble Reading Room) [Numbers indicate the poster station]

- 1. Krystal Langhorne, Christopher Newport University, "Does Emotional Intelligence and Problem Solving Attitudes Positively Predict the FAB?"
- 2. Kyleigh Freedman, Christopher Newport University, "Feeling the Weight of Your Own Decisions"
- 3. Lauren Chadwick and Brenna McManus, Christopher Newport University, "Low Sleep and High Anxiety Compound to Associate with Fear Elicited from Courage"
- 4. Laurie Wacks, Virginia Commonwealth University, "Moving to holistic admission review in a Doctor of Nurse Anesthesia Practice program: a quality improvement project"
- 5. Matthew Gunn, Randolph-Macon College, "Valuable Time Saved: Comparison of Novel Bladder Irrigation Procedure using Prototype Device to Existing Bladder Irrigation Procedure"
- 6. Matthew Traversa and Krystal Langhorne, Christopher Newport University, "Words Recall, Lure Words, and the Fading Affect Bias: Interactions, Relations, and Predictions"
- 7. Megan Gunn and Matthew Gunn, Randolph-Macon College, "Computational Modeling of Fluid Flows"
- 8. Micaela Flores-Vaccari and Kailynne Landry, Christopher Newport University, "Testing preference for higher- vs lower-fidelity social stimuli in zebrafish (*Danio rerio*)"
- 9. Morgan Andrews and Katherine Paulikonis, Christopher Newport University, "Social Support in Emerging Adults: The Impact of Close Relationships on Mental Health and Well-Being"
- 10. Nathan W. Joyner, Hampden-Sydney College, "The United States Prison System and The Scandinavian Prison Model: How Quality of Life Reforms can Reduce Recidivism?"
- 11. CeOnna Battle and Tyler Hyun, Christopher Newport University, "The Process of Aging: The Overexpression of Snakeskin in the Gut-Brain Axis"
- 12. Nicholas Charles Russo and Matthew Freeman, Christopher Newport University, "Magnetic Nonporous Material for Organic Contaminant Removal"
- 13. Nikki Keith, Virginia Tech, "Characterizing a 6.3 MHz High Frequency Endoscopic Histotripsy System for Noninvasive Cancer Ablation"
- 14. Omar Alsuhaibani, Lina Hussein and Amer Elsana, George Mason University, "The Effects of Computer Generated and Commercially Available Music on Human Emotions"
- 15. Prerak Thakkar, Virginia Commonwealth University, "The Role of Exogenous TGF- β 1 in Epithelial-Mesenchymal-Transition Induction"
- 16. Rachel Batra, William & Mary, "Not So Happily Ever After: An analysis of the portrayal of stress in children's fictional literature and implications for socio-emotional development"
- 17. Rachel Childs, Christopher Newport University, "Perception of Crime and Neighborhood Issues: a comparison of Newport News and Norfolk community assessments"
- 18. Sara Radford, University of Mary Washington, "Expansion of Women In Business"
- 19. Sarah Hatcher, Christopher Newport University, "Pandemic and Incarceration: Analyzing Social Media Coverage of Covid-19 Spreading in Carceral Facilities"
- 20. Sevi VanDevender, Christopher Newport University, "Online replication of the effect of event type and emotional intelligence on the relation between the Fading Affect Bias and problem solving"
- 21. Sheena Kron, Christopher Newport University, "Does marijuana highness influence emotion and the Fading Affect Bias?"
- 22. Sophia Powell and Melanie Morgan, Christopher Newport University, "Parent and peer attachment and emotional well-being in adolescents"
- 23. Sunday Wright, Virginia Commonwealth University, "Nicotine and Cannabis Co-use Among College Students"
- 24. Tanya Kurnootala and Faith Parker, Virginia Commonwealth University, "Testing the link between alcohol response and behavioral state decisions in *C. elegans*"

- 25. Trevor William Ramer, Christopher Newport University, "Sexual Attitudes & Behaviors and Adult Attachment Patterns in a Non-Gender-Biased Study of Histrionic Personality Disorder Features"
- 26. Trevor William Ramer, Christopher Newport University, "The Influence of Attachment Modality on Self-Reported Symptoms and Severity Associated with Body Dysmorphic Disorder among a Non-Clinical Sample"
- 27. Wayne Coleman, Virginia Commonwealth University, "Stakeholder Participation in the State Oral Health Plan Planning Process"
- 28. Xiatian Chu, College of William and Mary, "Difficulties in Emotion Regulation Predict Different Aspects of Self-Monitoring"
- 29. Yifan Yuan, College of William and Mary, "Examining the association between self-regulation and suicidal ideation in adolescents: A longitudinal design"
- 30. Zachary Alam and Gabriela Rocha, Christopher Newport University, "Examining the Coping Mechanism of the FAB across Alcohol and Non-Alcohol Events Online"
- 31. Zoe Morrison, Christopher Newport University, "Emerging Adulthood Across Countries & Time"

2:30-3:20

Session A (Library Theater)

- Alexandra Fiul, Christopher Newport University, "Into the Panopticon: An Affair of the Author and Reader"
- Matthew D. Johnson, Christopher Newport University, "A Universe Crafted Around the Panoptical Narrator: Tokarczuk's Flight(s) From Formal Narrative Conventions in Pursuit of the Universal"
- Sarah Poole, Christopher Newport University, "Tenderly Addressing the Polish Identity"

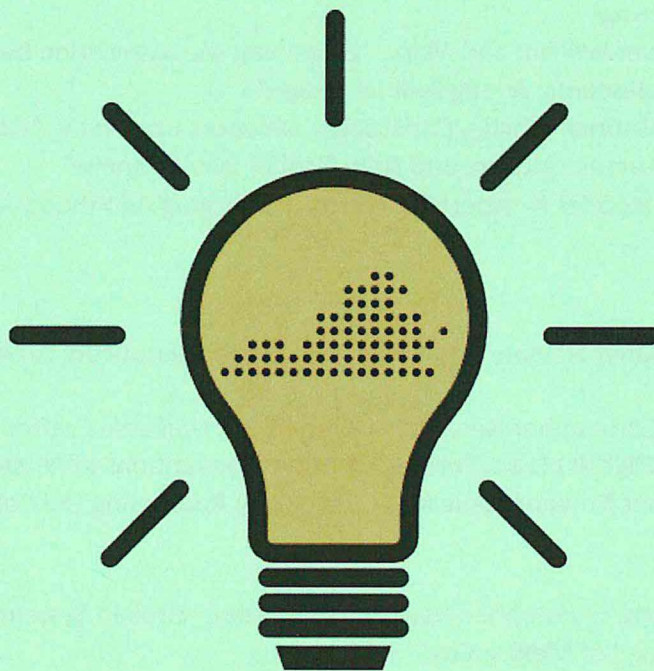
Session B (Library 208)

- M. Kathleen Hoppenjans, Christopher Newport University, "Broken Systems: An Analysis of HBO's 'The Wire' and 'Santa: A Novel of Mexico City'"
- Sofia Maggio, Christopher Newport University, "Food Vulnerability in Newport News"
- Trina Marie-luise Jeffer, Virginia Commonwealth University, "Dancing around Cultural Appropriation: Cultural Appropriation through TikTok dances"

Session C (Library 170)

- Lesly Turcios-Hernandez, Virginia Commonwealth University, "Effect of mitochondrial-nuclear interaction on lifespan regulation"
- Morgan G. Carter, Christopher Newport University, "Emerging Adulthood Comparison Across Times about How Identity Exploration Impacts Career Choice and is Impacted by Parental Expectations"
- Lovell B. Abraham, Evan G. Buettmann, Rachel C. DeNapoli, Gabriel A. Hoppock, Yue Zhang Henry J. Donahue, Virginia Commonwealth University, "Osteocyte-Specific Cx43 Deficiency Impairs Fracture Healing but Does Not Alter Systemic Bone Turnover in Mice"

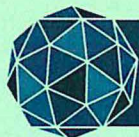
*The Network for Undergraduate Research in Virginia (NURVa)
is a consortium of Virginia colleges and universities
dedicated to supporting undergraduate
research and creative activity throughout the commonwealth.*



NURVa

Network for Undergraduate Research in Virginia

**Thank you for visiting Christopher Newport University.
We look forward to seeing you next year for the 4th Annual NURVa Conference.
Keep up to date by visiting www.nurva.org**



CHRISTOPHER NEWPORT UNIVERSITY
**OFFICE OF UNDERGRADUATE
RESEARCH AND CREATIVE ACTIVITY**

my.cnu.edu/research