

ΠΑΙΔΕΙΑ 2006



Conference Program, April 22, 2006
Christopher Newport University

Welcome to the fifth annual undergraduate and graduate student research conference at Christopher Newport University. This conference was organized and sponsored by Christopher Newport University's Undergraduate and Graduate Research Council (www.cnu.edu/ugrc).

Location

Ratcliffe Hall, Christopher Newport University

Schedule

- 8:00 – 17:20 **Registration** (Ratcliffe Hall)
8:30 – 9:00 **Continental Breakfast, Opening Remarks** (Regatta's)
RICHARD SUMMERVILLE, Provost, CNU
DOUGLAS GORDON, Dean, CLAS, CNU
- 9:00 – 10:40 **Concurrent Presentations in Session I**
10:40 – 11:00 Coffee Break
11:00 – 12:20 **Concurrent Presentations in Session II**
12:30 – 14:00 **Author Luncheon** (Regatta's)
JOHN A. WEINBERG*
- 14:00 – 15:40 **Concurrent Presentations in Session III**
15:40 – 16:00 Coffee Break
16:00 – 17:20 **Concurrent Presentations in Session IV**

Poster Session

- 10:00 – 12:00 Posters attended by authors
12:00 – 14:00 Posters available for independent viewing

***Luncheon Speaker, JOHN A. WEINBERG**, Director of Research and Senior Vice President of the Federal Reserve Bank of Richmond. Dr. Weinberg received his bachelor's and doctorate degrees from the University of Pennsylvania and Minnesota, respectively. As director, he is the chief policy advisor for financial institutions and markets. He is a prolific author, his research has been published in some of the most prestigious journals in the field of economics.

Author Luncheon

Presenters and co-authors, session chairs, and UGRC members are invited to a luncheon in Regatta's from 12:30 – 14:00.

Help

For information or assistance, please see the UGRC Contact at the Registration Table in Ratcliffe Hall.

Session I. 9:00 - 10:40**UGRC Contact: George Zestos****Room A (RATC 100)****Sharon Rowley presiding**

- 9:00 – 9:15 The vampire as a metaphor for seduction in Dracula and "Carmilla"
ERIN PHILLIPS, SHARON ROWLEY
- 9:15 – 9:30 The changing roles of women in Dracula
KAYLEIGH HEARN, SHARON ROWLEY
- 9:30 – 9:45 Popular vampirism as a sociological window
PHILIP LECLERC, SHARON ROWLEY
- 9:45 – 10:00 Tracing the literary evolution of the vampire
THEODORE D. HELLMANN, SHARON ROWLEY
- 10:15 – 10:30 Vlad-Dracula and the fear of the other
CAYCE LEIGH CANIPE, SHARON ROWLEY
- 10:30 – 10:45 Vampires in propaganda and film in Weimar and Nazi Germany
JESSICA BARGAR, SHARON ROWLEY

Room B (RATC 105)**Linda Baughman presiding**

- 9:00 - 9:20 Breaking the code: The enigma of Alan Turing
ANNIE FERENBACH, DENISE GILLMAN
- 9:20 – 9:40 Designing scenery for The Pragmatists, visionary playwright Stanislaw I. Witkiewicz's early attempt to bring to life his theatrical theory of Pure Form, in which a work's formal elements take aesthetic precedence over its narrative content
SAM SHELTON, GEORGE HILLOW
- 9:40 – 10:00 An investigation of war music in America and Vietnam ca. 1965-1975
CHAU TRAN, KEITH KOSTER, KATHLEEN JOYCE-GRENDAHL
- 10:00 – 10:20 The temperamental theory of leadership as noted within the master electrician position
SARAH K. SMITH, TANYA SWEET
- 10:20 – 10:40 The incorporation of jazz harmonies within the sacred setting of Francis Poulenc's Gloria
SCOTT BUMBAUGH, LAUREN FOWLER

Room C (RATC 106)**Georgetta Georgescu presiding**

- 9:00 - 9:20 Elie Wiesel's identity and the Holocaust
EMILY NOA USEEM, JEAN FILETTI
- 9:20 – 9:40 Reducing uncertainty in order to win the hearts and minds of the Iraqi people
CODY ZIMMERMAN, VERNON HARPER
- 9:40 – 10:00 Bridezilla: Rotten with perfection
TYLER FITZHUGH, T. NATHANIEL FRENCH
- 10:00 – 10:20 Voluntary cooperation
NICOLL KNUDSEN, GEORGE TESCHNER

Session I. 9:00 - 10:40**UGRC Contact: George Zestos****Room D (RATC 112)****David Pollio presiding**

- 9:00 – 9:20 Freedom and determinism
AMIR SABRY, GEORGE TESCHNER
- 9:20 – 9:40 Esoteric view of religion
LAUREN CROVATO, GEORGE TESCHNER
- 9:40 – 10:00 Broadening textual horizons
THOMAS J. CARRICO, JR., GEORGE TESCHNER
- 10:00 – 10:20 Eroticism, poetry, and power in Horace, Odes 1.13
MELISSA D. BAIRD, JANA ADAMITIS
- 10:20 – 10:40 Joyce on marriage: The critique of an institution in Dubliners and Ulysses
JUSTIN PRITCHETT, TRACEY SCHWARZE

Room E (RATC 116)**Andrew Falk presiding**

- 9:00 – 9:20 Exploring present attitudes of college students regarding extra-relational affairs
LYNANNE HODGES, MICHAEL LEWIS
- 9:20 – 9:40 The reconstruction of Australian aboriginal communities
LYNANNE HODGES, JOSEPH HEALEY
- 9:40 – 10:00 The watermen of Chesapeake Bay
LAURA WRIGHT, NIGEL SELLARS
- 10:00 – 10:20 Social and Emotional Factors Related to Students' Success
JENNIFER VENCILL, DIANE MALASPINA
- 10:20 – 10:40 Differences in auditory and visual working memory
HEIDI JO SOUTH, JAMIEE KEITHLEY, STACY RILEA

Room F (RATC 117)**Peter Carlson presiding**

- 9:00 – 9:20 Gender stereotypes in children's literature
LINDSAY MARTENAK, KELLY B. CARTWRIGHT, TIMOTHY MARSHALL
- 9:20 – 9:40 Storytelling behaviors are related to the fading affect bias
AMANDA BOWEN, KELLY ALLAN, MICHELLE GERTH, JEFFREY GIBBONS
- 9:40 – 10:00 A picture is worth a gazillion - billion - million dollars: A qualitative content analysis of information bias as a marketing tool in the media
JAMES ROSS CANTRELL, LINDA M. WALDRON
- 10:00 – 10:20 The relationship of individual beliefs and perceptions of democracy: An analysis of European and world values surveys
JENNIFER WALLE, PETER M. CARLSON
- 10:20 – 10:40 American military Status of Forces Agreements (SOFAs) and foreign relations with host nations
BRADEN HARRISON, PETER M. CARLSON

Session II. 11:00 – 12:20**UGRC Contact: Phillip Hamilton****Room A (RATC 100)****Gary Whiting presiding**

- 11:00 – 11:20 Speech enhancement for people with Cerebral Palsy using adaptive filtering techniques
PAUL HOGGE, GIHAN MANDOUR
- 11:20 – 11:40 Sedimentation rate from high development areas of Lake Maury
PRESTON BURKE, JONATHAN SHORT, GARY WHITING
- 11:40 – 12:00 Wetland restoration design and marketing for 1678-acre (679-ha) Carolina Bay located in North Carolina
HERMAN W. HUDSON III, ROBERT ATKINSON
- 12:00 – 12:20 Applying commercial XML firewall technology in multinational military networks
MARSHALL HUSS, ANTON RIEDL

Room B (RATC 105)**Kip Redick presiding**

- 11:00 – 11:20 Conflicting values: Saving the wilderness on public park land
JUSTIN PRITCHETT, KIP REDICK
- 11:20 – 11:40 The evolution of public land use in the national parks: A case study of Mount Rainier National Park
JUSTIN THROUPE, KIP REDICK
- 11:40 – 12:00 Imitation, creativity, and the ethics of recreational land preservation
CHAD HILL, KIP REDICK
- 12:00 – 12:20 Christian hedonism
RICHLYN S. KETTERMAN, KIP REDICK, GEORGE A. TESCHNER

Room C (RATC 106)**Ronald Von Burg, II presiding**

- 11:00 – 11:20 Shutout: The invisible female athlete
MEREDITH A. SCHMIDT, T. NATHANIEL FRENCH
- 11:20 – 11:40 Socialization of home schooled children: Explored through uncertainty reduction theory
CRYSTAL HAMLETT, VERNON HARPER
- 11:40 – 12:00 The representation of the Olympic games
CAITLIN O'BRIEN, LINDA BAUGHMAN
- 12:00 – 12:20 Positive permanency: Connection for American society through functionalism in the wonder years
KIMBERLY E. DAVIS, VERNON HARPER

Session II. 11:00 – 12:20**UGRC Contact: Phillip Hamilton****Room D (RATC 112)****Michelle Vachris presiding**

- 11:00 – 11:20 Graduation rates
KATIE STILWELL, MICHAEL LEWIS
- 11:20 – 11:40 Assessing qualities that lead to a satisfying marital relationship
JEFF BELL, MICHAEL LEWIS
- 11:40 – 12:00 The sub-culture of black cinema, 1914-1939
MELANIE BRIENT, NIGEL SELLARS

Room E (RATC 116)**Peter Carlson presiding**

- 11:00 – 11:20 Is it really possible to improve the preparation for and the response to natural disasters, such as hurricanes?
JONATHAN F. JUDKINS, PETER CARLSON
- 11:20 – 11:40 Empress Matilda and Queen Emma influenced their children's accession to England's throne
NATASHA MCKELLAR, GWENN MEREDITH
- 11:40 – 12:00 The constitutionality of detaining suspected terrorists under the USA PATRIOT ACT
KRISTEN R. MURRY, PETER M. CARLSON
- 12:00 – 12:20 The effect of nonylphenol on spatial memory in *Betta splendens*
KRISTINA POTTER, ANDREW VELKEY

Room F (RATC 117)**John Thompson presiding**

- 11:00 – 11:20 Using reaction time to reduce false alarms in a recognition task
LINDSAY CLOUTIER, MELANIE HERRINGTON, JEFFREY GIBBONS
- 11:20 – 11:40 An exploratory study examining the utilization of emergency room services as primary health care in rural southwest Virginia
KRYSTAL DEITZ, AMELIA LONG, TERESA GARDNER, GWEN THORNTON
- 11:40 – 12:00 Math anxiety and math performance in men and women
ANDREA DUFFY, HEIDI SOUTH, STACY RILEA
- 12:00 – 12:20 Negative campaigning in presidential elections: An examination of television commercials, 1952-2004
SABRINA CARLSON, PAMELA DUNNING

Session III. 14:00 – 15:40**UGRC Contact: David Pollio****Room A (RATC 100)****Edward Brash presiding**

- 14:00 – 14:20 A comparison of climate and tree rings of Atlantic White Cedar from Alligator River National Wildlife Refuge
AMBER BRADSHAW, ERIN BRADSHAW, AMY SEIM, ROBERT ATKINSON
- 14:20 – 14:40 Tree rings of Atlantic White Cedar: A tool for managing an endangered ecosystem in the Great Dismal Swamp
ERIN BRADSHAW, AMBER BRADSHAW, AMY SEIM, ROBERT ATKINSON
- 14:40 – 15:00 Reconstructing tracks in the forward drift chambers of the Glue X detector
CRAIG BOOKWALTER, EDWARD BRASH
- 15:00 – 15:20 Wireless sensor networks (WSN)
JOSEPH R. MEYERS, RAOUF SELIM, ANTON RIEDL
- 15:20 – 15:40 The effect of elevated CO₂ on CH₄ emission from *Sagittaria graminea* Michx.
RACHEL E. SCHROEDER, GARY WHITING

Room B (RATC 105)**Roark Mulligan presiding**

- 14:00 – 14:15 Forsaking the fluff: Willa Cather transitions from Jamesian narration to modern style and character usage fashioned after Russian literary giant Ivan Turgenev and others
IAN SASS-BASEDOW, ROARK MULLIGAN
- 14:15 – 14:30 The pioneer/business woman
KIM DAVIS, ROARK MULLIGAN
- 14:30 – 14:45 An analysis of the suicides in "My Antonia" and "Paul's Case"
NATASHA MCKELLAR, ROARK MULLIGAN
- 14:45 – 15:00 Cather's rejection of heterosexuality
DANIEL STRANGE, ROARK MULLIGAN
- 15:00 – 15:15 Willa Cather's love pains
PAIGE MANKIN, ROARK MULLIGAN
- 15:15 – 15:30 A dynamic characterization: Niel's changes
CHRYSTAL TRAPANI, ROARK MULLIGAN

Room C (RATC 106)**Peter Knipp presiding**

- 14:00 – 14:20 Let's talk family vacations
ARIEL WALLINGSFORD, T. NATHANIEL FRENCH
- 14:20 – 14:40 Reactions to gendered fast food advertisements
EMILY SEAMON, LINDA BAUGHMAN
- 14:40 – 15:00 "I do" but I don't know why
JULIE BRUBACH, LINDA BAUGHMAN
- 15:00 – 15:20 Who's afraid of the big bad wolf? An examination of the changing roles of *Canis lupus* in selected fairy tales from the Grimms to Scieszka
AMANDA DAVIS, DR. ALICIA CARTER
- 15:20 – 15:40 Brand identity and international success at the *Coca Cola* company
SARAH ZORIC, T. NATHANIEL FRENCH

Session III. 14:00 – 15:40**UGRC Contact: David Pollio****Room D (RATC 112)****Alicia Willson-Metzger presiding**

- 14:00 – 14:20 Return to Ulysses - a photo documentary
MEGAN H.L. TUCKER, TRACEY SCHWARZE
- 14:20 – 14:40 Morality without religion
RUSS MITCHELL, GEORGE TESCHNER, RICHARD BEAUCHAMP, JOHN HOAGLUND
- 14:40 – 15:00 Narratology in primal and modern technological societies
MOLLY O'NEILL, GEORGE TESCHNER, KIP REDICK, MARCUS GRIFFIN
- 15:00 – 15:20 Justification by faith as seen in Christianity
RACHAEL NOEL, GEORGE TESCHNER, KIP REDICK, JOUETT POWELL, STEPHEN STREHLE
- 15:20 – 15:40 Christian justification
CHRIS NORMAN, JOUETT L. POWELL, GEORGE TESCHNER

Room E (RATC 116)**Bobbie Bartels presiding**

- 14:00 – 14:20 Rumors destroy lives: The Hollywood blacklist
ERIN M. KOCH, NIGEL SELLARS
- 14:20 – 14:40 Quantitative research, values, and leadership study
JUSTIN PRITCHETT, ROBERT E. COLVIN
- 14:40 – 15:00 Arthur Maier Schlesinger, Sr.: Historian
ELIZABETH J. TUTTLE, NIGEL SELLARS
- 15:00 – 15:20 Trade and GDP growth: The cases of the United States and Canada
ANGELA SHIN, GEORGE ZESTOS
- 15:20 – 15:40 The Malleus Maleficarum's dissemination of misogyny throughout European society
NICOLE ELIZABETH JUSTICE, BETH KREYDATUS

Room F (RATC 117)**Andrew Falk presiding**

- 14:00 – 14:20 Theory of mind development in friendships and romantic relationships: Attribution style and intimacy
JESSICA PARKER, JENNY CHRISTMAN, NICOLE GUAJARDO
- 14:20 – 14:40 Reforms to the Americans with Disability Act - protect the people that are left behind
MICHELLE POINDEXTER, PETER M. CARLSON
- 14:40 – 15:00 Definition of unfaithful behavior in personal relationships
PATRICIA AHN, MICHAEL LEWIS
- 15:00 – 15:20 Real estate sales; Practice and preference reproducing existing social arrangements
ANTHONY REYES, MICHAEL LEWIS
- 15:20 – 15:40 The importance of similarity in interpersonal attraction
AMANDA LAGESSE, MICHAEL LEWIS

Session IV. 16:00 – 17:20**UGRC Contact: Gregg Lloyd****Room A (RATC 100)****Dmitriy Shaltayev presiding**

- 16:00 – 16:20 Towards more robust and efficient design and simulation of digital circuits in single-electron transistor technology
ARTHUR THOMAS GREPIOTIS, COSTA GEROUSIS
- 16:20 – 16:40 Contour mapping of Lake Maury
JONATHAN SHORT, PRESTON BURKE, GARY WHITING
- 16:40 – 17:00 Dendrochronology of bald cypress (*Taxodium distichum*) in a naturally-formed lake in Virginia
NATHAN EVANS, ROBERT ATKINSON
- 17:00 – 17:20 Modeling the collapse of a stellar structure into a naturally formed spiral galaxy
KRISTOPHER BAUER, JOHN HARDIE

Room B (RATC 105)**Laura Deiulio presiding**

- 16:00 – 16:20 Transvaluation in Nietzsche and Taoism
JACLYN TRONO, GEORGE TESCHNER
- 16:20 – 16:40 Developing oral expression in French through songs
NATALIE SCHOENBROT, GEORGETA GEORGESCU
- 16:40 – 17:00 The revolution via cinema
SANDRA SHORT, GEORGETA GEORGESCU
- 17:00 – 17:20 The impact of Gertrudis Gómez de Avellaneda's life on her poetry
MANDY THOMSON, ELAINE MILLER

Room C (RATC 106)**Rachel Schroeder presiding**

- 16:00 – 16:20 Gender trouble: The implications of androgyny in Euripides' Iphigeneia in Tauris
KATE ARMSTRONG, JANA ADAMITIS
- 16:20 – 16:40 Uncertainty reduction in patient-physician intercultural communication
REBECCA MCCLELLAND, VERNON HARPER
- 16:40 – 17:00 Portia's role as a woman
DANIELLE HARTMAN, DENISE GILLMAN

Session IV. 16:00 – 17:20**UGRC Contact: Gregg Lloyd****Room D (RATC 112)****Alicia Willson-Metzger presiding**

- 16:00 – 16:20 The nature of consciousness
ANTHONY BASSO, GEORGE TESCHNER, LORI UNDERWOOD
- 16:20 – 16:40 Morality and medical research
CRAIG WHISENHUNT, LORI UNDERWOOD
- 16:40 – 17:00 All modern war is unjust
MARLANA D. ANDERSON, LORI UNDERWOOD, GEORGE TESCHNER
- 17:00 – 17:20 The African American female's view of body image as discussed on reality TV, America's Next Top Model
CATHRYN EVANS, LINDA BAUGHMAN

Room E (RATC 116)**George Zestos presiding**

- 16:00 – 16:20 Understanding the US demand for oil through importing
KELLI MCGEORGE, MICHAEL KIM, LILLIAN ZIEHL, GEORGE ZESTOS
- 16:20 – 16:40 Defending the bomb: American justification of Hiroshima in popular culture
JEFF COOPER, NIGEL SELLARS
- 16:40 – 17:00 Generating functions for the powers of fibonacci numbers
DYLAN P. TERRANA, HONGWEI CHEN
- 17:00 – 17:20 Small Business Institute business research project Dishworks
KARL HEDLUND, FELISSA JETER, STEPHANIE BARDWELL

Room F (RATC 117)**Hussam Timani presiding**

- 16:00 – 16:20 The international fight over ICANN
REBECCA CASEY, PETER CARLSON
- 16:20 – 16:40 Emotional effects and youth violence
JESSICA GREEN, MICHAEL LEWIS
- 16:40 – 17:00 A study of age and its effect on marital satisfaction
MEAGAN M. BOYD, MICHAEL LEWIS
- 17:00 – 17:20 An analysis of housing choices on a college campus
JUSTIN M. YATES, MICHAEL LEWIS

Poster Session

Ratcliffe Lobby

UGRC Contacts

Tarek Abdel-Fattah and Nicole Guajardo

Schedule

10:00 – 12:00 Posters attended by authors

12:00 – 14:00 Posters available for independent viewing

Posters

1. A preliminary meta-analysis concerning the effects of violence and alcohol treatment on intimate partner aggression
SHANNON E. CASHMAN, MEAGHAN NULL, THOMAS D. BERRY
2. Aggression and sex: College students' preference for humor
ASHLEY L. HALLHEIMER, ELISE CAMPBELL, JEN RUTTER, THOMAS D. BERRY
3. Reminders of mortality and death and anxiety in college students
ASHLEY L. HALLHEIMER, JEN RUTTER, ELISE CAMPBELL, THOMAS D. BERRY
4. The effect of parental modeling on perceptions and actions regarding hand washing and hygiene behaviors
ELISE KARI CAMPBELL, THOMAS D. BERRY
5. The effects of the inefficiency of the Virginia Department of Transportation on the Hampton Roads area
TIFFANY SLAUGHTER, PETER CARLSON
6. The effects of high-stakes in the classroom
CHRIS WALICK, DIANE MALASPINA
7. The relation between job satisfaction and commitment: A meta-analysis
L. SHEA BARKSDALE, THOMAS D. BERRY
8. Sex differences in first and second grade children's book choices
HEATHER GUIFFRE, LINDSAY MARTENAK, JENNIFER FREDERICK, KELLY B. CARTWRIGHT
9. An examination of gender differences in leadership of computer-mediated and face-to-face work groups
MEAGHAN NULL, DAVID C. KARMOLINSKI, SHANNON E. CASHMAN, L. SHEA BARKSDALE
10. The effects of father absence on social and emotional issues as an adult
ANNA RICHTER, TIMOTHY MARSHALL

Posters, continued

Ratcliffe Lobby

11. 4-Nonylphenol ($C_{15}-H_{24}-O$) decreases the maintenance of bubble-nests in male Siamese Fighting Fish (*Betta splendens*)
HEATHER SUTTON, MOLLY MATTHEWS, ANETA LECZYCKI, JESSICA PARKER, REBECCA MCGOWAN, TAREK ABDEL-FATTAH, ANDREW VELKEY
12. The contribution of cognitive flexibility to reading fluency in university students
ALLISON M. BOCK, MICHAEL MONTANO, MARISA C. ISSAC, KELLY B. CARTWRIGHT
13. The role of aggression and hostility in ice hockey
JASON FUNKHOUSER, DIANE CATANZARO
14. Associations between parents' mental state references and children's social-cognitive development
JENNIFER CHRISTMAN, MARKEIA YOUNG, NICOLE GUAJARDO
15. Children's mental state references as predictors of social-cognitive development
MELISSA MORRIS, LENA BETTS, CECILIA MALLORY, NICOLE GUAJARDO
16. The blending of senses
MELISSA ROSSER, SANFORD LOPATER
17. The health belief model, adherence issues, and condom negotiation
ALLISON DREW, SANFORD LOPATER
18. The effectiveness of pre-kindergarten programs
CHRISTINA WILLIAMS, TIMOTHY MARSHALL
19. Television: Do you know the effects it has on you child?
GINA SANCHEZ, TIMOTHY MARSHALL
20. Different levels of task complexity affecting estimates of task completion times in novices, intermediates and experts
LAURA J. SMITH, ANDREW J. VELKEY, PAUL J. FELTOVICH
21. An analysis of key terms in introductory psychology textbooks
SEAN ATWOOD, F. SAMUEL BAUER
22. Removal of chromium (III) ions from aqueous media
SERGIO NAVARRETE, TAREK ABDEL-FATTAH
23. Removal of cobalt ions from aqueous media
LAWRENCE MONTALTO, TAREK ABDEL-FATTAH

Paideia (pi-DAY-uh):

The classical Greek education of liberal learning, which was believed to develop the intellectual, moral and aesthetic capacities.