Fourth Annual Graduate Student Research Symposium [Program], 2011

University of Northern Iowa

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Fourth Annual
Graduate Student Research Symposium
- Discover • Support • Be Inspired •

Monday, April 11, 2011 - Gallagher Bluedorn Performing Arts Center &
Wednesday, April 13, 2011 - Maucker Union

Creative Performances
6:00 - 9:00 pm
Davis Hall - GBPAC

Poster Presentations
12:00 - 2:00 pm
Maucker Union, Ballroom

Oral Presentations
12:00 - 3:00 pm
Maucker Union, Lower Level

www.grad.uni.edu/symposium
The UNI Graduate College Presents

Fourth Annual
Graduate Student Research Symposium
• Discover • Support • Be Inspired •

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Greetings from the Graduate College,

It is my great pleasure to welcome you to the Fourth Annual Graduate Research Symposium at the University of Northern Iowa. This event showcases the depth, breadth, and quality of graduate students’ research, scholarship, and creativity. Graduate education at UNI is recognized for preparing students to be leaders in professional work and further graduate study. UNI’s graduate faculty are recognized for outstanding teaching, distinguished research, and service to their professions and the worldwide community.

We are proud to offer students a world-class education in a personalized graduate environment. Our programs provide students with amazing opportunities. I know this, as I have seen my sister (MA ’97) do wonderful things after earning her graduate degree from UNI. To students performing and presenting their work in this year’s Symposium, I wish you the best as you continue your education or start your careers. And to our graduate faculty and administrators, I thank you for your commitment to quality graduate education at the University of Northern Iowa.

Michael J. Licari, Ph.D.
Dean, Graduate College
Associate Provost for Academic Affairs
Judges

Oral Presentation Judges

Dr. Shoshanna R. Coon, Interim Associate Dean for Graduate Academic Affairs, Graduate College; Associate Professor, Department of Chemistry and Biochemistry

Dr. Barbara A. Cutter, Associate Professor
Department of History

Dr. Julie E. Husband, Associate Professor
Department of English Language and Literature

Dr. Robert F. Martin, Department Head and Professor
Department of History

Dr. Frank Thompson, Professor
Department of Finance

Dr. Michael J. Licari, Associate Provost for Academic Affairs and Dean of the Graduate College; Associate Professor
Department of Political Science

Poster Presentation Judges

Dr. Todd A. Bohnenkemp, Assistant Professor
Department of Communication Sciences & Disorders

Dr. C. Cliff Chancey, Department Head and Professor
Department of Physics

Dr. Maureen Clayton, Associate Professor
Department of Biology

Dr. Kimberly Knesting-Lund, Associate Professor
Department of Educational Psychology & Foundations
Dr. Gayle Pohl, Associate Professor  
Department of Communication Studies  

Dr. Marybeth Stalp, Associate Professor  
Department of Sociology, Anthropology & Criminology  

•  

Creative Performance Judges  

Scott Cawelti, Professor Emeritus  
Department of English Language and Literature  

Dr. Jonathan Girard, Visiting Artist, Conducting  
School of Music  

Dr. Samuel L. Gladden, Interim Department Head, Department of  
Modern Languages; Associate Professor, Department of English Language  
and Literature  

Dr. Karen S. Mitchell, Professor  
Department of Communication Studies  

Notes  

All descriptions are the original work of the presenters.  
Capitalization of titles was standardized for inclusion here.  

Attendees of Oral Presentations  
Please enter only between presentations.  

Attendees of Creative Performances:  
Please enter only between performances.  
Photography and recording are prohibited.
Elm Room

12:00 p.m. • Eddie Maldonado  Applied Physics (P.S.M.)

*The Efficacy of Cholesterol Incorporation in Model Membranes in Retarding Lipid Bilayer Disruption From Antimicrobial Peptide Protegrin-1*

- Dr. Michael W. Roth, University of Northern Iowa & Dr. Ka Yee C. Lee, University of Chicago

We present results obtained experimentally by Atomic Force Microscopy (AFM) with specific cholesterol/phospholipid bilayer ratio systems, which model bacteria and mammalian cells, being exposed to antimicrobial peptide protegrin-1(PG-1). Morphological changes induced by PG-1 decreases membrane integrity, which leads to a cell's demise, but we found cholesterol postpones the cells death.

12:20 p.m. • Maryna Lysun  Teaching English to Speakers of Other Languages (M.A.)

*The Role of Foreign Language Instruction in the Internationalization of Higher Education*

- Dr. Ardith J. Meier

This presentation will address the role of foreign language departments in the internationalization of university campuses. A distinction will be made between internationalization as policy and as practice. A culture general approach to foreign language education will be advocated as best serving both dimensions of internationalization.

12:40 p.m. • Dane Davis  Biology (M.S.)

*Investigating the Population Genetic Structure of the Rainbow Darter (Etheostoma caeruleum) Located in Northeast Iowa*

- Dr. Peter B. Berendzen

The intent of this project was to study the genetic population structure of the rainbow darter (Etheostoma caeruleum), which is found within Eastern Iowa tributaries. Specimens were collected from tributaries that flow through two geographically distinct regions in Iowa called the Iowan Surface and Paleozoic Plateau.

- 1:00 – 1:20 p.m. • BREAK •
1:20 p.m. • Kiranjeet Dhillon  
*Communication Studies (M.A.)*  
*(Auto)Ethnography and the Politics of Indian Women*  
- Dr. Phyllis E. Carlin  
Through (auto)ethnographic research, this piece explores how women manage the concept of permission within Indian culture, in particular needing permission from Indian men. I use the theories of subjectivity, power, and my own personal experience of growing up in a patriarchal Indian family to tell the story of permission.

1:40 p.m. • Holly Malm  
*English (M.A.)*  
*Tragedy Without Meaning?*  
- Dr. James B. O’Loughlin  
This presentation of literary criticism of *Slaughter-House Five* by Kurt Vonnegut and *Extremely Loud and Incredibly Close* by Jonathan Safran Foer explores how trauma compels victims to search for meaning, but trauma robs victims of the ability to speak of their experience and prevents them from assigning outside meaning.

2:00 p.m. • Bin Ruan  
*Leisure, Youth and Human Services (Ed.D.)*  
*Leisure Programming and the One-Child Policy in China*  
- Dr. Christopher R. Edginton  
This paper presents positive and negative effects concerning the one-child policy in China and attempts to identify how the policy may have indirectly significant impact on the use of children’s leisure time. The paper will also explore future trends in designing the leisure programs for child development.

**Oak Room**

12:00 p.m. • Shannon Erb  
*Communication Studies (M.A.)*  
*Learning Deception Detection Techniques from “Lie to Me”*  
- Dr. Paul J. Siddens  
The researcher interviewed viewers of FOX’s television drama *Lie to Me* to discover if participants were attempting to learn deception detection techniques from the show and use them in everyday life. This oral presentation will present the existing research on the topic and the results of the study.
12:20 p.m. • Kerwin Dunham  
*Can our Minds Affect our Well-Being?*  
- Dr. Axel Schwekendiek  
Recent studies suggest that there is a connection between beliefs and healing. I will look into the role that the placebo effect plays in medicine and how our beliefs contribute to our health. Evidence will be provided to show that the mind influences the body’s healing capabilities in many situations.

12:40 p.m. • Jeffrey Rick  
*The SHARP Project*  
- Dr. Recayi (Reg) Pecen  
SHARP is an animatronics project that is designed to be interactive with its surroundings via sensors, speech synthesizer, voice recognition, and a relatively large array of servo-motors. The primary objective of this project is to create a low-budget android that may act as an expandable robotic base for future development.

• 1:00 – 1:20 p.m. • BREAK •

1:20 p.m. • Jordon Dierks  
*Performance and Training Technology (M.A.)*  
*Surveying the Online Classroom: Student Reactions to eLearning*  
- Dr. Mary C. Herring  
This session summarizes results of a survey delivered to UNI students documenting their experience with the UNI eLearning system. The study was designed to determine if using a learning management system in an online classroom supporting either a full-web or blended course affects student satisfaction with the learning experience.

1:40 p.m. • Kaitlin Korbitz  
*Women’s and Gender Studies (M.A.)*  
*Performance, Interaction, and Negotiation within a Body Modification Studio*  
- Dr. Phyllis L. Baker  
Many body modification scholars state that body modification studios are venues for modified individuals to create relationships. This project builds on this idea by studying the relationship between the client and the artist and how gender identity and performance affect the creation and management of relationships within body modification studios.

2:00 p.m. • Ulan Dakeev  
*Industrial Management (M.S.)*  
*Management of Wind Energy with the Attachment of Wind Tunnel*  
- Dr. Recayi (Reg) Pecen  
Design and implement a wind tunnel integrated to a wind turbine. Investigate wind turbine output power with and without wind tunnel. Increase the efficiency and enhance overall management of wind power system.
State College Room

12:00 p.m. • Ellen Nuss  
Teaching English to Speakers of Other Languages/Applied Linguistics (M.A.)

Enhancing Cultural and Linguistic Components of Preparation for Study Abroad  
- Dr. Ardith J. Meier
This paper proposes ways in which study abroad preparation can be enhanced in order to maximize foreign language learning at the university level. The focus will be on cultural and linguistic components with specific attention paid to intercultural communicative competence and language learning strategies.

12:20 p.m. • Derk Babbitt  
Women’s and Gender Studies (M.A.)

‘Where the pansies sing:’ Black Newspapers and the Global Dimensions of the Great Gay Migration  
- Dr. Pablo E. Ben
My research focuses on early twentieth century black people’s role in creating and distributing an image of black nightlife offerings in New York City and Chicago. The evolution of the black press influenced and increased the northern flow of black men from the southern United States and the Caribbean and contributed to the development of a black non-normative sexual identity. This interacted with earlier “black” popular cultural forms such as blackface minstrelsy as well as blues and jazz music.

12:40 p.m. • Allan Nelson  
Educational Leadership (Ed.D.)

Competency-Based Education Design for the 21st Century  
- Dr. Robert H. Decker
Learn about Iowa schools demonstrating competency-based designs today. Are these schools a glimpse of the future? Mr. Allan Nelson, a thirty-year education veteran, Ed.D candidate in the Educational Leadership Department, and member of Department of Education and State Board Competency-Based Design Team interviewed three schools practicing competency-based designs and shares their stories.

• 1:00 – 1:20 p.m. • BREAK •
1:20 p.m. • Jen Zeck  
Social Work (M.S.W.)

Addressing Cultural Competency in CSWE Accredited MSW Programs: Specifically With Sexual Minorities

- Dr. Cynthia L. Juby

CSWE has established standards for MSW programs to explicitly address diversity and cultural competency pertaining to marginalized groups, (i.e., sexual minorities). Evidence of heterosexism in MSW students indicate addressing sexual orientation in education is needed. The current study describes 129 MSW course descriptions for explicit content concerning sexual orientation.

1:40 p.m. • Kevin Howard  
Criminology (M.A.)

Advanced Information Processing Technologies and Police Discretion

- Dr. Ronald (Joe) Gorton

This presentation examines the role advanced information processing technologies have played in modern policing. A description of the prevalent technologies used in the field will be presented. Also, officer's personal accounts of the advantages and disadvantages of these technologies will be discussed.

2:00 p.m. • Kasee Fuller  
Leisure, Youth and Human Services (Ed.D.)

An Analysis of Pre-Match Training Content for Planned Mentoring Relationships between Volunteers and Youth

- Dr. Christopher L. Kowalski

The purpose of this study was to observe pre-match mentor training sessions at planned mentoring agencies in a Midwestern state in the U.S. and determine if the mentors’ training content on forming developmental relationships with children is consistent with established literature for successful youth development and relationship building with youth.

2:20 p.m. • Siyan Hou  
Teaching English to Speakers of Other Languages (M.A.)

Sociopragmatics in the Teaching of English: A Review of the Research and Suggestions for the Future

- Drs. Joyce B Milambiling & Cheryl A. Roberts

This presentation reviews studies that have been done in sociopragmatics, with a focus on speech acts such as compliments. It also addresses current English language teaching (ELT) situation in China and its limitations. The presentation provides adaptations on previous teaching implications to be better adopted in Chinese ELT contexts.
Poster Presentations

Research

Molly Schlumbohm Environmental Science (M.S.)
The Effect of Tallgrass Prairie Species Composition on Above Ground Biomass Production
- Dr. Daryl D. Smith
Research in biomass production of tallgrass prairie species assemblages indicate that increases species richness results in an increase of biomass production. In addition, biomass production is dependent on local soil conditions. Results are encouraging that prairie biomass has potential as an alternative energy source.

Anna Abney Biology (M.S.)
Effect of Burn Timing on Selected Insects in Early Stage of a Reconstructed Tallgrass Prairie
- Dr. Daryl D. Smith
Insects are an integral part of the prairie ecosystem, but may be overlooked in management of reconstructed prairies. We are researching the impact of the timing of burns (fall vs. spring) on selected groups of insects to assess how both species richness and overall abundance is affected.

Joshua Young Communication Studies (M.A.)
Rhetorical “Snuff”: A Sound Argument for the Investigation of a Slipknot Song
- Dr. Paul J. Siddens
This paper proposes a new method to examine music’s rhetorical qualities. The author argues that this new method allows rhetorical scholars to examine messages that would otherwise not be recognized and applies the method to Slipknot’s song “Snuff,” to demonstrate its utility.

Kyle Suhr Clinical Psychology (M.A.)
Unreliable Dependent Measures Reduce Observed Experimental Effects: A Monte Carlo Simulation Study
- Dr. Andrew R. Gilpin
A 2-parameter IRT model was used to simulate independent-groups experiments with dependent variables showing specified levels of Coefficient Alpha reliability. Observed effect sizes underestimated the theoretical values by an amount systematically reflecting unreliability.
Jacob Donaghy
Environmental Science (M.S.)
Developing Methods To Calculate Nutrient Contributions From Four Subwatersheds Of The Cedar River In Iowa
- Dr. Mohammad Z. Iqbal
This project looked at water quality in 4 sub-basins of the Cedar River and determined the nutrient fluxes from each of them. Iowa contributes a large percentage of the nitrogen in the Gulf of Mexico and determining where the pollution originates from will better aid in implementing best management practices.

Jaeseok Jang
International Scholar (B.A.)
Assessment of Genetic Diversity in Uca maracoani using AFLP Analysis
- Drs. James E. Jurgenson & Carl L. Thurman
This work describes the search for genetic variation in an intertidal crab from tropical Brazil.

Kelsey Wegner
Leisure, Youth and Human Services (M.A.)
Impact of the Recent Recession On Nonprofit Organizations
- Dr. Julianne Gassman
This presentation examines the impact the recent economic recession, beginning in 2007, has had on nonprofit organizations in five cities in the United States. Over 140 nonprofit organizations responded to a survey that inquired about the changes organizations have made, and how they have adapted to survive the “Great Recession”.

Justina Kotek
Clinical Psychology (M.A.)
Life stress and driver aggression predictors of motor vehicle accidents?
- Dr. Sunde M. Nesbit
This study hypothesizes those individuals who have higher rates of motor vehicle accidents will report more driver aggression and life stress. Three surveys and a demographics questionnaire were administered. Results indicated life stress and driver aggression were not predictors of motor vehicle accidents.

Zackary Lemka
Social Psychology (M.A.)
Someone is Being a Jerk on the Internet: Online Aggression and its Contagion
- Dr. Helen C. Harton
This study examined contagion of aggression during electronic communication. Participants took part in online discussions in six person groups. In the experimental groups confederates modeled aggression toward each other. Experimental groups exhibited more direct and indirect aggression than control groups, suggesting that online aggression exposure increases aggression.
I Think I Can’t: The Influence of Print Advertisements on Women’s Self-Confidence and Non-Conformity
- Dr. Helen C. Harton
Women looked at print advertisements (seven neutral and one target) and completed a conformity test and anagram solution task to measure self-confidence and judgment. Women who are shown a reversed-role advertisement are expected to exhibit higher self-confidence and less conformity than women who are shown a traditional-role advertisement.

Not Giving Back: The Social Exchange Concern Hypothesis of Physical Disability Stigma
- Dr. Helen C. Harton
The social exchange concern hypothesis proposes that as individuals become more selective in choosing their interaction partners, negative attitudes toward unfit interaction partners will subsequently increase. This study proposes that social exchange concern will also predict negative attitudes toward persons with disabilities.

The Relationship between Testosterone and Word Choices on a Theory of Mind Test
- Dr. Cathy DeSoto
Testosterone is related to dominance behavior. This study examined the relationship between testosterone and the (mis)perception of dominance. Eighty-six students from UNI gave saliva samples and completed a test of emotional attributions to pictures of eyes. Those with higher testosterone tended to incorrectly perceive dominance more often in pictures ($r = .215$).

An Occupational Analysis of Prepress in the Des Moines and Eastern Iowa Regions
- Dr. Douglas R. Hotek
This 2010 descriptive survey research explored and identified the duties and tasks based on what industry requires from prepress technician. Identifying the duties and tasks will then help academia create an up-to-date curriculum that coincides with industry.

What Would Jesus Wear?
- Dr. Helen C. Harton
The current study observed types of clothing worn in four Christian churches (Catholic, Lutheran, Unitarian, and Presbyterian). Results suggest that parishioners in fundamentalist churches dress more formally than parishioners in contemporary churches. There were also gender and age differences in dress.
Indrani Thiruselvam  
**Clinical Psychology (M.A.)**

*Sensation-seeking, Impulsivity, the Big Five Factors of Personality, and Risk-Taking Behaviors*
- Dr. John E. Williams

This study examined the relationship between personality and risk-taking behaviors. Personality traits studied were sensation-seeking, impulsivity, and the Big Five factors; risk-taking behaviors studied were alcohol consumption, drug use, cigarette smoking, gambling, risky sexual behaviors, risky driving, and extreme sports participation.

Misty Rhodes  
**Clinical Psychology (M.A.)**

*Self-stigma: The relationship between self-disclosure and treatment seeking in individuals with depression*
- Dr. Seth A. Brown

Self-stigma occurs when an individual internalizes public perceptions of mental illness, which causes reduced levels of self-esteem, self-efficacy and participation in social interactions (Corrigan & Watson, 2002; Holmes & River, 1998). Self-stigma may be related to the amount of disclosure an individual engages in while seeking treatment and also whether or not they seek treatment.

Sara Estrada-Villalta  
**Social Psychology (M.A.)**

*Values and Music Preference*
- Dr. Helen C. Harton

The purpose of this study is to explore relationships between music preferences and socio-cultural values (individualism, protestant ethic, and social dominance orientation). People with different value preferences also will show distinct music preferences. The relationship between music preferences and values is moderated by subjective importance of music lyrics.

Shannon Meissner  
**Leisure, Youth and Human Services (M.A.)**

*Measuring Youth Worker Efficacy Levels in Public/Governmental, Non-Profit, and Private/Commercial Youth Care/Development Organizations*
- Dr. Christopher L. Kowalski

The purpose of the current study was to analyze the relationship between a number of independent variables and overall youth worker efficacy, inclusive of the three associated indices - theory efficacy, professional values efficacy, and applied skills efficacy.

Abbie Harris  
**Social Psychology (M.A.)**

*It’s Your Fault: Political Orientation and Attribution of Blame*
- Dr. Seth A. Brown

Undergraduate participants completed a number of questionnaires in mass testing sessions and read a scenario. There was a significant difference between conservatives and liberals in attribution of blame for those with mental disorders. This finding supports the idea that conservatives and liberals view the world in different ways.
Cassie Nieman  
Clinical Psychology (M.A.)

Sex Offender Stereotypes
- Dr. Kim MacLin

Previous research has shown that community members hold inaccurate beliefs about sex offenders (Levenson, Brannon, Fortney, & Baker, 2007). Previously collected data from The Criminal Stereotypes Questionnaire-Revised (MacLin & Sparks, 2010) was analyzed to determine what characteristics come to mind when individuals think of a sex offender.

Ashley Helle  
Clinical Psychology (M.A.)

Negative Self-Stigma and Relationship Satisfaction in Women Who Have Experienced a Major Depressive Episode
- Dr. Seth A. Brown

This study evaluated whether or not women who have experienced a major depressive episode also experience lower levels of self-disclosure about their mental illness and lower levels of relationship satisfaction. It was hypothesized that the relationship between self-disclosure and relationship satisfaction is mediated by self-stigma.

Project

Winnie Wong  
Leisure, Youth and Human Services (Ed.D.)

Jason Lau  
Leisure, Youth and Human Services (Ph.D.)
- Dr. Samuel V. Lankford

This project was the result of a partnership between the UNI Regents' Center for Early Developmental Education and the Global Competency Consulting. In January 2011, the two organizations hosted the first workshop in Science, Technology, Engineering, and Mathematics (STEM) in Hong Kong. 50 early-childhood education students, educators and providers participated.

Pieter Ver Steeg  
Ecosystem Management (P.S.M.)

Adam Rodenberg  
Ecosystem Management (P.S.M.)

Cedar Valley Nature Trail Management Plan
- Dr. Laura L. Jackson

Pieter Ver Steeg and Adam Rodenberg have worked over the last year with the Black Hawk County Conservation Board to write an ecosystem based management plan for a section of the Cedar Valley Nature Trail, from Evansdale, IA to Gilbertville, IA.
Brady Reinert  Ecosystem Management (P.S.M.)
Michelle Mahoney Ecosystem Management (P.S.M.)

*UNI Storm Water Management*
- Dr. Laura L. Jackson
This presentation shows the implementation of a stormwater management plan using the WinSLAMM modeling program to determine the effectiveness of previous best management practices, and where future stormwater practices should be implemented.

Tina Khoury  Biotechnology (P.S.M.)

*What is the Body’s Energy Field and How Does it Affect Healing?*
- Dr. Axel Schwekendiek
Humans are not only composed of molecules. They also generate electromagnetic fields. One of the strongest fields in the human body is the heart field. Many alternative healers work by re-adjusting an altered or distorted body field. This work shows how energy fields might be used in healing.

Adam Sorelle  Public Policy (M.P.P.)
Dervisa Sisic  Public Policy (M.P.P.)
Heather Gibney  Public Policy (M.P.P.)
Patricia Carlson  Public Policy (M.P.P.)

*Effects on International Graduate Student Immigration Following September 11th*
- Dr. Al Hays
An analysis was conducted to determine if any changes have occurred in the number of international graduate student applications to universities in the United States since the terrorist attacks of September 11th. Existing data was reviewed to determine what impact resulted and how dramatic it was.

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**Creative Performances**

6:00 p.m. • Marcos Grano de Oro  Performance: Piano (M.M.)

*Missing the Ocean* by Marcos Grano De Oro
- Dr. Sean D. Botkin
*Missing the Ocean* was inspired by the sounds of ocean waves, birds, and views of the sky and beaches of my hometown in the Dominican Republic.

*The Dance of the Tropical Palm Trees* by Marcos Grano De Oro
- Dr. Sean D. Botkin
*The Dance of the Tropical Palm Trees* portrays motions and images of Dominican tropical palms in the fresh Caribbean ocean breeze.
6:15 p.m. • Natalia Tokar

*Chaconne for piano solo by S. Gubaidulina*

- Dr. Sean D. Botkin

Chaconne for piano, by contemporary Russian, woman-composer Sofia Gubaidulina, reflects many compositional techniques and combines specific traits of the Renaissance genre with a modern, dissonant texture. The music conceptualizes a tragic outlook and contains symbols of fate and death. Chaconne was premiered in 1962 and achieved international fame among performers.

6:30 p.m. • Cassandra Naaktgeboren

*“Glitter and be Gay” monologue and aria from Bernstein’s Candide*

- Dr. Korey J. Barrett  
  Accompanist: Dr. Korey J. Barrett

The program features the virtuosic soprano aria “Glitter and be Gay” from Leonard Bernstein’s comic operetta Candide. In this aria, the character Cunegonde laments her position as a high-class prostitute, working to convince herself and the audience that maintaining the upper-class lifestyle she deserves necessitates a sacrifice of personal morals.

6:45 p.m. • Malory Klocke

*Rip Tide: A Short Fiction Story*

- Dr. Grant A. Tracey

Author Malory Klocke will read her short fiction story “Rip Tide”.

7:00 p.m. • Vicki Simpson

*Gadget Mania*

- Dr. James B. O’Loughlin

*I seek to create works that emphasize time and place; with a reverence for the transitory, I pursue a language of celebration that parallels my deep faith in the organic, serendipitous, and ethereal aspects of life. Gadget Mania is an Adobe Flash piece that incorporates all of these elements.*

7:15 p.m. • Martin McGoey

*Meditations on the Big Fork River*

- Dr. Jeremy D. Schraffenberger

This creative nonfiction piece is a personal response to Theodore Roethke’s “Meditation at Oyster River.” It is divided into four distinct “stanzas,” each of which provide different perspectives of the Big Fork River in northern Minnesota.
7:30 p.m. • Holly Botzum

**Performance: Tuba (M.M.)**  

*UNITUBA Quartet: Pushing the Limits*  
- Dr. Jeffrey L. Funderburk

Ensemble Members: Kristin Pipho, Caryn Sowder and Casey Turner

This ensemble’s purpose is to promote new music for tuba as well as providing a place for members to develop musical arrangements. The outcome hopefully engages the audience and encourages people to connect with music.

7:45 p.m. • Tiffany Bullen

**English (M.A.)**  

*Poetry of Place and Connection: Ecopoems of the Great Lakes*  
- Dr. Jeremy D. Schraffenberger

This performance will include a short selection of prose work describing ecopoetry and three short ecopoems about growing up near the Great Lakes.

8:00 p.m. • Hannah Leffler

**Performance: Flute (M.M.)**  

*An Exploration of George Crumb’s An Idyll for the Misbegotten for Amplified Flute and Percussion*  
- Dr. Angeleita S. Floyd

George Crumb’s An Idyll for the Misbegotten for amplified flute and percussion uses extended techniques to produce a mystical sound that focuses on nature. This creative performance includes a description of the work, a demonstration of special effects, and a video of the piece performed with percussion and amplification.

8:15 p.m. • Sara Leavens

**English Literature, Creative Writing (M.A.)**

“A Fresh Slice”  
- Dr. Jeremy D. Schraffenberger

On the day of her daughter’s high school graduation, Jenny Adams didn’t expect to lose her entire left ring fingernail. But that’s exactly what happened. “A Fresh Slice” outlines the events leading up to this loss of much more than digital vanity and paints a vividly grotesque, surrealist image of American life in the late ‘00’s.
Acknowledgements

Event Organizers

Susie Schwieger, Director Graduate Student Life
Jaimie Bell, Graduate Assistant
Jackie McAndrew, Graduate Assistant

Graduate College Staff

Dr. Michael Licari, Associate Provost for Academic Affairs and Dean of the Graduate College; Associate Professor, Department of Political Science
Dr. Shoshanna Coon, Interim Associate Dean for Graduate Academic Affairs
Mary Ann Hesse, Secretary IV
Janet Witt, Thesis/Dissertation Reviewer
Cheryl Nedrow, Secretary II

Special Thanks

Tom Barry, Assistant Professor, School of Music
Caroline Boehmer, Administrative Assistant, School of Music
Sandi Ingles, Secretary III, Department of Biology
Chris Kremer, Event Management Director, Gallagher-Bluedorn Performing Arts Center
Kyle Martens, Senior, Communication Studies and Electronic Media
Chuck Pugh, Technical Director and Performance Facilities Manager, School of Music
Bart Schmitz, Facility Coordinator, Maucker Union
2010 Award Recipients

Creative Performances

- Original Performance

1st Place • Bryan Tank
Composition (M.M.), Music History (M.M.)
Advisor: Dr. Jonathan C Schwabe
four songs for soprano

2nd Place • Pam Klein
English (M.A.)
Advisor: Dr. Jeremy D. Schraffenberger
"The Widening Gyre": Original Poetry on a Modernist Theme

- Performance

1st Place • Renée Rapier
Performance: Voice (M.M.)
Advisor: Dr. Jean M. McDonald
"Iris Hence Away" from Handel's Semele and Pauline's Aria from Tchaikovsky's Queen of Spades

2nd Place • Natalia Tokar
Performance: Piano (M.M.)
Advisor: Dr. Sean D. Botkin
Etude-tableau in E-flat Minor, Op. 39 #5 by Rachmaninov

Poster Presentations

1st Place • S. Scott Whitmore
Biology (M.S.)
Advisor: Dr. Theresa Spradling
Conservation Genetics of the Central Newt in Iowa

2nd Place • Zackary Lemka
Psychology: Social Psychology (M.A.)
Advisor: Dr. Helen C. Harton
Contagion of Aggression

3rd Place • Sean Hartnett
Biology (M.S.)
Advisor: Dr. Kavita R. Dhanwada
Molecular Effects of Metolachlor on Human Cells
2010 Award Recipients (continued)

Oral Presentations

1st Place • Alina Byzova
   German (M.A.)
   Advisor: Dr. Deirdre A. Heistad
   *The Reader: From the Book to the Film*

2nd Place • Dale Yurs
   History (M.A.)
   Advisor: Dr. John W. Johnson
   *Oliver Ellsworth and the Federal Judiciary*

1st Place • Jessica Kettleson
   Biology (M.S.)
   Advisor: Dr. Axel Schwekendiek
   *Genetic Transformation of Hops for the Production of Phytopharmaceuticals*

1st Place • James Mason
   Biology (M.S.)
   Advisor: Dr. Mark C. Myers
   *Small Mammal, Bird, and Butterfly Colonization During Early Establishment in Prairie Biofuel Project*
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