Creative Performances

Rae Iolene Bing  
*Viride*  
Advisor: Dr. Jeremy Schraffenberger

Jen Corrigan  
*Apart: A Short Fiction Story*  
Advisor: Dr. Jeremy Schraffenberger

Ryan Courtney  
*The Good Guys With Guns*  
Advisor: Dr. Danielle McGeough

Moriah Henkelman  
*Frankness in Gethsemane*  
Advisor: Dr. Jeremy Schraffenberger

Jim Keane  
*Shaking Hands*  
Advisor: Dr. Vince Gotera

Azeem Ward  
*Beatbox Partita a la Carté*  
Advisor: Dr. Angeleita Floyd

Kathryn Wohlpart  
*Code of Conduct*  
Advisor: Dr. Brooke Wonders

Acknowledgements

Event Organizers

Susie Schwieger, Director of Graduate Student Life
Jamie Farley, Graduate Assistant
Angela Ross, Graduate Assistant

Graduate College Staff

Dr. Kavita Dhanwada,  
Associate Provost for Academic Affairs & Graduate College Dean
Dr. Barbara Cutter, Associate Dean, Graduate College
Rubina Chowdhury, Secretary II
Lisa Steimel, Assistantships & Scholarships
Janet Witt, Thesis/Dissertation Reviewer
All Students, Faculty and Staff Invited!

Graduate Student Symposium

Tuesday, April 4

Maucker Union Ballroom
Welcome from Dr. Mark Nook
9:00 a.m.

Graduate Education for the Greater Public Good Alumni Panel
9:15 a.m.

Poster Presentations
Open to Public: 11:00 a.m.-1:30 p.m.
Judging: 11:00 a.m.-12:30 p.m.

Great Reading Room, Seerley Hall
Creative Performances
12:00-2:30 p.m.

Maucker Union Lower Level Meeting Rooms
Oral Presentations
1:00-4:00 p.m.

University Room
Salma Zbeed
The New North: Patents and Knowledge Economy in Alaska
Advisor: Dr. Andrey Petrov

Narmin Iusubova
A Multiscale Assessment of Wind Energy Resources and Suitability in the Russian Arctic
Advisor: Dr. Andrey Petrov

Athila Gevaerd Montibeller
Estimating Fluxes of Energy and Evapotranspiration with an Unmanned Aircraft System in Ames, Iowa
Advisor: Dr. Bingqing Liang & Dr. Patrick Pease

Peterson Wambuu
Socio-economic Impacts of International Tourism on a Local Community: A Case Study of the Town of Malindi, Kilifi County, Kenya
Advisor: Dr. Henry Owusu

Joel Heilman
Spatial Competition in Airport Markets: An Application of the Huff Model
Advisor: Dr. Tim Strauss

Saeed Zaher Soleimani
Proof of Concept and Feasibility Assessment of Manufacturing a Portable Bio-char Reactor
Advisor: Dr. Catherine Zeman & Dr. Julie Zhang

State College Room
Elizabeth Dickhut
Why Click Bait Matters: False Wonder and Awe in the 2016 Presidential Race
Advisor: Dr. Anne Myles

Jeremy Roberts
The Cold War Through Re-Runs: An Examination of the Intersection Between Popular Culture and the Cold War
Advisor: Dr. David Grant

Samantha Kohls
Spanish in the United States: An Analysis of the Linguistic Landscapes of Rural Hampton, Iowa, and Clarion, Iowa
Advisor: Dr. Elise DuBord

Karen Potter
Teaching Reading to Adult ESL Learners Who Have Low Literacy in Their First Language
Advisor: Dr. Joyce Milambiling

Brandi Ananzeh
Bilingualism in Blended Families: Key Issues and Applications for Parents and Educators
Advisor: Dr. Joyce Milambiling

Jen Corrigan
Too Important, Too Impossible: The Present Absence as Communist Threat in The Fly (1958)
Advisor: Dr. Grant Tracey
Greetings from the Graduate College,

Welcome to the 10th Annual Graduate Student Symposium at the University of Northern Iowa! As we celebrate the tenth year of the event, we can say we have come a long way from the first time we held the event in 2008. We started with a simple two-hour event held in the Great Reading Room. We have grown since then not only in the length of the program, the number of graduate student presenters, but also in what we offer our students to help them develop their professional skills for presenting their scholarship and creative work. Our goal now, as it was back when we first started, is to showcase the important work being done by our graduate students who are making a difference in the lives of people in the State of Iowa and across the nation. This year we have 81 student presenters and have 35 faculty judges taking part in the Graduate Student Symposium.

We will celebrate the breadth, depth and quality of scholarship being done within UNI’s graduate programs on this day. We have changed our format a bit by having a daylong event to showcase our students. The day begins with a welcome by our President, Dr. Mark Nook, and continues with a panel discussion with several of our distinguished alumni who will not only talk about their graduate experience at UNI, but discuss how graduate education can contribute to the public good. Students will present their scholarship in three venues: through poster presentations in a variety of disciplines; oral presentations from programs across the four academic colleges and creative performances from the creative writing program, communication studies and the School of Music: all presentations will be part of an exciting and energizing day. This year we had an important addition: the opportunity to include presentations from students in the UNI distance education programs.

UNI’s graduate students are learning to be leaders in professional work and preparing for future graduate study. They work closely with graduate faculty members, who themselves are recognized for outstanding teaching, distinguished research and service to their professions and the community at the national and international levels. I greatly appreciate the work of both faculty and students, as they collaborate to make a difference in the communities in which they serve.

Thank you for coming to support UNI students and faculty in this 10th Annual Graduate Student Symposium!

Kavita Dhanwada
Dean, Graduate College
Poster Presentation Judges

Dr. Maureen Clayton
Department of Biology

Dr. Shoshanna Coon
Department of Chemistry & Biochemistry

Dr. Belle Cowden
Division of Continuing Education & Special Programs

Dr. Christina Curran
Department of Special Education

Dr. Dale Cyphert
Department of Management

Dr. Susan Etscheidt
Department of Special Education

Dr. Tammy Gregerson
Department of Languages and Literatures

Dr. Sadik Kucuksari
Department of Technology

Dr. Matthew Makarios
Department of Sociology, Anthropology and Criminology

Dr. Joyce Milambiling
Department of Languages and Literatures

Mr. Chris Neuhaus
Rod Library

Dr. Leila Rod-Welch
Rod Library

Dr. Ira Simet
Department of Chemistry and Biochemistry

Dr. Jen Waldron
School of Kinesiology, Allied Health & Human Services

Oral Presentations

Oak Room

Salomi Aladia  Psychology: Social Psychology (MA)
Influence of Study Abroad on Students’ Cultural Attitudes
Advisor: Dr. Helen Harton

Alba Karuni  Psychology: Social Psychology (MA)
Women in STEM: Does Role Congruence Affect Major Choice and Retention?
Advisor: Dr. Helen Harton

Sarah Van Maanen  Speech-Language Pathology (MA)
Ross Westemeyer
Reduced Lingual Pressure Generation in Parkinson’s Disease: An Indicator of Functional Dysphagia and the Effects of Dopaminergic State
Advisor: Dr. Laura Pitts

Kayla Stafford  Postsecondary Education: Student Affairs (MA)
Student Affairs Approaches to Religion and Spirituality in U.S. Public Higher Education
Advisor: Dr. Mike Waggoner

Navinder Brar  Biology (MS)
Microarray Analysis of Gene Expression in Metolachlor Treated Human Liver Cells
Advisor: Dr. Kavita Dhanwada

Ryan Lockard  Biology (MS)
Epidemiological and Experimental Evidence of Sex-dependent Responses to Infection with Leishmania Infantum
Advisor: Dr. Nilda Rodriguez

Megan Vandersee  Science Education (MA)
A Qualitative Comparison of General Chemistry and Advanced Placement Chemistry Students’ Misconceptions Regarding Solution Chemistry
Advisor: Dr. Dawn Del Carlo

Elm Room

Julie Grunklee  Health Education: Community Health Education (MA)
Lead Use in Lip Balms
Advisor: Dr. Catherine Zeman

Marie Adebiyi  Allied Health, Recreation, and Community Services (EdD)
Younis Al-Hassan
Carole Hansborough
Values Attached to Educational Goals and Perceived Outcomes, Educational Motivation, and Study Processes
Advisor: Dr. Chris Edginton

Mona Al Nassir  Special Education (EdD)
Advisor: Dr. Amy Petersen
Marjorie Perkins
Psychology: Clinical Science (MA)
*Gender Differences in Civilian Stigma of Combat-related and Military Sexual Trauma-related PTSD*
Advisor: Dr. Elizabeth Lefler

Sean Robbins
Biology (MS)
*Antiproliferative Effects of Hibernating American Bullfrog (Rana catesbeiana) Blood Plasma on THP-1 Cells*
Advisor: Dr. David Saunders

Kristin Rooff
Psychology: Clinical Science (MA)
*Just Sleep it Off: Does Sleep Moderate the Impact of Insecure Attachment Styles on Cortisol Levels?*
Advisor: Dr. Dilbur Arsiwalla

Christian Kremer-Terry
Women’s and Gender Studies (MA)
*Patriarchy and Environmental Attitudes*
Advisor: Dr. Jack Yates

Emma Welch
Psychology: Social Psychology (MA)
Antoinette Fleming
Psychology: Clinical Science (MA)
Hailey Hatch
Psychology: Social Psychology (MA)
*Predictors of Attitudes toward Transgender Men and Women*
Advisor: Dr. Helen Harton

Kip Woods
Technology (MS)
*3DPS Feature Generation in the YZ & XY Planes*
Advisor: Dr. Scott Giese

Sunny Teeling
Counseling: Clinical Mental Health (MA)
Andrew Eisenman
Counseling: School Counseling (MA)
Kasey Semler
Counseling: School Counseling (MA)
*The Effects of Adlerian Play Therapy on Adopted Children’s Externalizing Behaviors: A Single Case Design*
Advisor: Dr. Kristin Meany-Walen

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**Oral Presentation Judges**

Dr. Tom Hall
Department of Communication Studies

Dr. Kristin Mack
Department of Sociology, Anthropology and Criminology

Dr. Jayme Neiman
Department of Political Science

Dr. Gayle Pohl
Department of Communication Studies

Dr. Lisa Riedle
Department of Technology

Ms. Marcy Seavey
UNI STEM Program

Dr. Marybeth Stalp
Department of Sociology, Anthropology & Criminology

Dr. Roberto Swazo
School of Applied Human Sciences

Dr. Ali Tabei
Department of Physics

Dr. Jolene Zigarovich
Department of Languages and Literatures

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**Creative Performance Judges**

Dr. Julie Husband
Department of Languages and Literatures

Dr. Grant Tracey
Department of Languages and Literatures
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Title</th>
<th>Advisor</th>
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<tbody>
<tr>
<td>Andrea Anderson</td>
<td>Allied Health, Recreation &amp; Community Service (EdD)</td>
<td>Second-Graders Beautify for Butterflies</td>
<td>Dr. Audrey Rule</td>
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<tr>
<td>Charles Barden</td>
<td>Biology (MS)</td>
<td>Characterization of an Ancient Tetraploid Genome (Cypriniformes: Catostomidae)</td>
<td>Dr. Peter Berendzen</td>
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<td>Victoria Bertelsen</td>
<td>English: English Studies (MA)</td>
<td>Editing Creative Manuscripts—Becoming a Multimodal Entity: From Manuscript to Multimodality</td>
<td>Dr. Adrienne Lamberti</td>
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<td>Fatemeh Bordbarjavidi</td>
<td>TESOL (MA)</td>
<td>Introducing Corpus Linguistics to Iranian EFL Teachers</td>
<td>Dr. Ardith Meier</td>
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<td>Lydia Carlson</td>
<td>School Psychology (EdS)</td>
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<td>Cori Bohnenblust</td>
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<td>Jaclyn Johnson</td>
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<td>Courtney Clausen</td>
<td>Curriculum and Instruction (EdD)</td>
<td>Exploring Technology through the Integration of Culturally Relevant Pedagogy and Issues of Social Justice</td>
<td>Dr. Stephanie Logan</td>
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<td>Caroline Elser</td>
<td>Curriculum and Instruction (EdD)</td>
<td>Understanding Parental Participation in IEP Meetings</td>
<td>Dr. Susan Etscheidt</td>
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<td>Educational Leadership (EdD)</td>
<td>A Literature Review: Pre-service Teachers’ Self-efficacy to Deal with Student with Special Needs</td>
<td>Dr. Jill Uhlenberg</td>
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<td>Elisevha Havlik</td>
<td>Psychology: Clinical Science (MA)</td>
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<td>Sage Comstock</td>
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<td>Madeline Heimbaugh</td>
<td>Speech-Language Pathology (MA)</td>
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<td>Chloe Schwartzing</td>
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<td>Mahjabeen Hussain</td>
<td>Curriculum and Instruction (EdD)</td>
<td>Making Inventions Using SCAMPER and Animal Adaptation Ideas with Elementary Students</td>
<td>Dr. Audrey Rule</td>
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<tr>
<td>Molly Hussey</td>
<td>Physical Education: Kinesiology (MA)</td>
<td>Head Out of Water Weighing: A Valid Method to Measure Body Fat Storage?</td>
<td>Dr. Kevin Finn</td>
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<td>Jenna Klein</td>
<td>Piano Performance and Pedagogy (MM)</td>
<td>Achieving and Maintaining Flow During Practice and Performance</td>
<td>Dr. Lynn Worcester</td>
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<tr>
<td>Thomas Lockard</td>
<td>Leisure, Youth &amp; Human Services (MA)</td>
<td>Combating College Student Stress through Forming Nature Connections as a Youth</td>
<td>Dr. Kathy Scholl</td>
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<td>Lijing Ma</td>
<td>Psychology: Social Psychology (MA)</td>
<td>Gender Differences in Cognitive Dissonance Reduction Strategies for Partner’s Attractiveness</td>
<td>Dr. Helen Harton</td>
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<td>Dacia Oberhelman</td>
<td>Psychology: Clinical Science (MA)</td>
<td>Perceptions of Transgender Populations: An Educational Module to Increase Knowledge and Reduce Negative Attitudes</td>
<td>Dr. Dilbur Arsiwalla</td>
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<td>Aurora Oestensen</td>
<td>Geography (MA)</td>
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<td>Travis Gerrish</td>
<td>Geography (MA)</td>
<td>Thermal Infrared Remote Sensing of Water Temperature Fluctuations Using an Unmanned Aerial System</td>
<td>Dr. Patrick Pease</td>
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<td>Aaron Padilla</td>
<td>Geography (MA)</td>
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<td>David Jensen</td>
<td>Geography (MA)</td>
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<td>Jacob Sundholm</td>
<td>Geography (BS)</td>
<td>Thermal Remote Sensing of Jensen Lake: Investigating Spatial Heterogeneity of Water Surface Temperature</td>
<td>Dr. Patrick Pease</td>
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<td>Jessica Patterson</td>
<td>History: Public History (MA)</td>
<td>Not-So-Godless Communists - American Perceptions of the Russian Orthodox Church After World War II</td>
<td>Dr. Barbara Cutter</td>
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