

Student Academic Conference Abstract Books

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2011

## Student Academic Conference 2011

Minnesota State University Moorhead

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STUDENT  
ACADEMIC  
CONFERENCE  
2011



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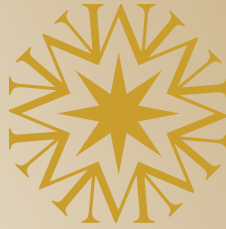
Dear Participants:

Our annual Student Academic Conference is a Spring Semester highlight. Since 1998 it has provided an outlet for student research and creative work. Over the years thousands have shared their knowledge in an environment that encourages inquiring minds and faculty mentoring. It's an activity that underscores our Mission Statement: Minnesota State University Moorhead is a caring community promising all students the opportunity to discover their passions, the rigor to develop intellectually and the versatility to shape a changing world. The conference offers a stage for new ideas from the next generation of researchers and leaders. It advances intellectual development and challenges students to effectively communicate their knowledge. Defending research in a supportive community of student and faculty scholars is a great way to experience personal and professional growth. Congratulations to the student participants, faculty mentors, and the Student Academic Conference planners. A very good idea has become a wonderful tradition!

A handwritten signature in black ink that reads "Edna Mora Szymanski". The signature is written in a cursive style.

Edna Mora Szymanski, PhD  
President





**Minnesota**  
STATE COLLEGES  
& UNIVERSITIES



Dear Minnesota State University Moorhead Students, Colleagues, and Friends:

As has been true in the past, I am pleased to join with the Minnesota state University Moorhead academic community once again to celebrate the accomplishments of all who are a part of the Annual Student Academic Conference.

This thirteenth anniversary of the conference marks yet another grand occasion for our students to be recognized. I know that this year and those to come will continue to bring the opportunity for student scholarship, creativity, and achievement to be recognized university-wide. I have been personally proud and grateful to witness the growth of the Annual Student Academic Conference. Its support from President Edna Szymanski and her predecessors must be acknowledged.

The Minnesota State University Moorhead faculty, staff, and student learners deserve congratulations on all of their work to make the conference a success. On behalf of the Minnesota State Colleges and Universities Board of Trustees and your system office colleagues, best wishes for discovery, enlightenment, and fun at the 2011 Annual Student Academic Conference.

Sincerely,

A handwritten signature in black ink that reads "James H. McCormick". The signature is written in a cursive, flowing style.

James H. McCormick,  
Chancellor, Minnesota State Colleges and Universities



On behalf of the entire Student Affairs Division, welcome to this year's Student Academic Conference. The tradition of excellent opportunity for undergraduate research continues through this unique campus event. Your participation ensures that you have taken the initiative to further your undergraduate education in a way not found on most campuses. Having personally attended nearly all of the Student Academic Conference for the past decade, it has become clear to me that the depth and breadth of information and learning about unique topics has been well documented through oral and poster presentations. I look forward to again participating in this year's event and hope that your involvement becomes one of the most memorable experiences during your tenure here at MSUM.

A handwritten signature in black ink that reads "Warren Wiese".

Warren Wiese  
Vice President of Student Affairs

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Greetings,

The Faculty Association at MSU Moorhead is pleased to send congratulations to all of the students who are participating in this year's Student Academic Conference. We know they have learned much in their research and preparation for today. We also know that the student's achievements are a direct result of the mentoring provided by our faculty who gladly embrace this opportunity for student growth. Congratulations also to Prof. Andrew Conteh and to Prof. Richard Lahti for their leadership in making this exciting and complex day possible.

Cindy Phillips  
President  
MSU Moorhead Faculty Association



To the Participants and Attendees of the MSUM Student Academic Conference (SAC),

Spring at Minnesota State University Moorhead is always a special season. Long winters begin to melt away; birds return with their songs; warmth returns to our lengthening days; budding romances bloom; and yes, the Red River reminds us that, no matter how hard we try, we are still intrinsically tied to the forces of nature. Spring, to many students at MSUM, is special for another, more academic, reason: conferences. It is during the final weeks of the academic year that a year of meeting new friends and colleagues culminates with conferences where we can celebrate the bonds that tie us together in friendship and all that we have learned together. One such important fixture at MSUM is held here on campus every spring: the MSUM Student Academic Conference.

Academic Conferences are an invaluable tool in the development of young academic minds. All too often the work we do as students is completed with little more intent than that of attaining a good grade; therefore, it is valuable only to ourselves and its worth is quantified by a grade. It is here that the SAC provides the students of MSUM with a priceless opportunity: to challenge ourselves to create knowledge and to present that knowledge to our peers, the public, and professors. To the young academic, the rewards of forming an original thesis, developing it, and then finally presenting one's hard-gotten work to strangers and experts is a rewarding and fulfilling experience. At MSUM, there is nowhere else that this kind of learning can be achieved as well as it is at the annual SAC.

To the participants of the SAC, I would like to thank you for presenting your work at this year's conference! I have no doubt that you will teach your fellow Dragons something this week. To the attendees of this year's SAC, thank you for attending! The most rewarding thing about presenting is receiving interesting questions and feedback from one's peers. I encourage you to attend as many presentations as you can and ask the presenters any questions you may have. To the faculty members who have taken the time to chair and review this year's presentations, thank you! Without your guidance and continued support, the SAC would not be possible. On behalf of the MSUM Student Senate, I thank you all for participating in this year's Student Academic Conference! Good luck!

Regards,

Allan Branstiter  
MSUM Student Senate President

# *13th Annual Student Academic Conference*

*April 19, 2011*

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*The 13th annual Student Academic Conference embraces MSUM's commitment to undergraduate education and engagement.*

*Building upon proven excellence in the arts, sciences and industry, the SAC extends the university's exceptional investment in undergraduate research, providing students with the skills, abilities and aptitudes essential to life-long learning, global citizenship and professional excellence. Incorporated into courses and projects across the curriculum, student research presented at the SAC advances the frontiers of knowledge across fields, training students in rigorous research methods, critical thinking and effective communication.*

*Now a highly anticipated and esteemed component of MSUM's mission and academic year, the Student Academic Conference proudly showcases student accomplishment and invites the entire community to participate in this year's exciting conference.*

*—Stephen Hamrick, Ph D., MSUM English professor*



# Conference Schedule

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Tuesday, April 19th 2011 • Comstock Memorial Union

**7:30 A.M.**     *Poster Set-Up—Registration/Information Table—CMU Main Lounge*

**9:30 A.M.**     *Presentation Session 1 and Poster Session 1—  
Various CMU Rooms and Poster Display Area*

**10:50 A.M.**     *Break*

**11:00 A.M.**     *Seating for the Luncheon—CMU Ballroom*

**11:15 A.M.**     *Luncheon Starts (Welcome and Introductions)—CMU Ballroom*

**12:00 P.M.**     *Keynote Speaker—CMU Ballroom  
Dr. Wade Swenson, II  
Oncologist, Lake Region Health Care*

**12:25 P.M.**     *Student Panelists—CMU Ballroom*

**1:00 P.M.**     *Presentation Session 2 and Poster Session 2—  
Various CMU Rooms and Poster Display Area*

**2:20 P.M.**     *Break*

**2:30 P.M.**     *Presentation Session 3 and Poster Session 3—  
Various CMU Rooms and Poster Display Area*





## **2011 Academic Conference Keynote Speaker**

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### **Dr. Wade Swenson**

Dr Wade Swenson, a 1995 graduate of MSUM, is currently a medical oncologist and hematologist at Lake Region Healthcare in Fergus Falls, Minnesota. The experiences he obtained at MSUM were influential in shaping his career path. He participated in undergraduate research in the Chemistry Department for three years during his time at MSUM. He feels that the skills he developed during the research experience were useful in several aspects of his clinical education and career development. A familiarity with research methods and experience presenting research findings provided a skill set that paid dividends throughout the medical education process. A variety of other experiences and activities at MSUM provided a foundation for future career development.

# *Student Panelists*

## **Klarissa Pudwill** **Representing Arts and Humanities**

I am a sixth year student, in my third and final year at Moorhead, after transferring from Bismarck State College. I will graduate with a Bachelor of Arts in Theater Performance with an emphasis in Musical Theater. This is my first year presenting at the SAC. I am pleased to be presenting a musical that I directed, The Musical of Musicals, The Musical! I am a recipient of the Mark Robert Lukac Scholarship Award for this school year. I have been a part of the MSUM's Straw Hat Players for two years and have sung the National Anthems and numerous school activities. I am excited to put into practice the knowledge and experience that I have received at MSUM in my career after I graduate.



## **Suzanne Al-Kayli** **Representing Social and Natural Sciences**

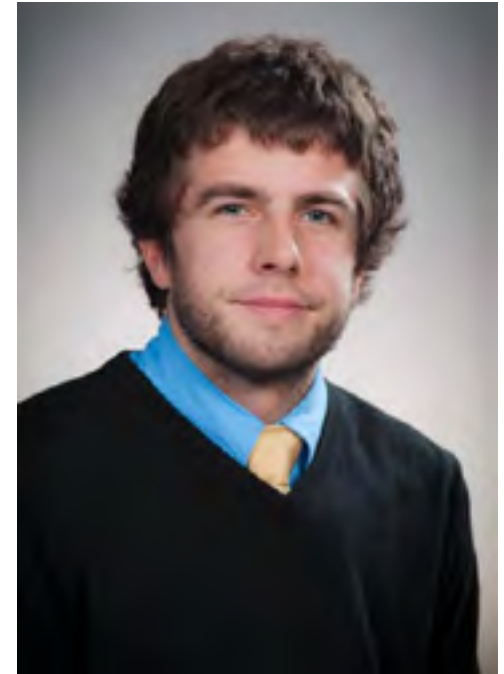
Born and raised in Fargo, ND. I am currently in my last semester at MSUM for a dual degree in Sociology and Political Science with a minor in Women's Studies. I have presented 3 different times at the SAC in the last two years, and will be doing so again this year. Sociology is my passion, I love to use theory and discuss events that are occurring in our modern society, what the implications of those actions means, and how people internalize their social selves. I hope to be going to graduate school after I take a well deserved break for one year.

# *Student Panelists*

## **William Scott**

**Representing Education and Human Services**

My name is William Scott and I am a 5th year senior in Communication Arts and Literature Teacher Education as well as Social Studies Education. I was born and raised in Fargo, graduating from Fargo North High School in 2005. My interests include staying current on teaching methods in both of my disciplines.



## **Kyle Blake**

**Representing Business and Industry**

I am in my last year at MSUM finishing a degree in Business Management with an Economics minor. I am passionate about strategy, leadership, and innovation. My career goal is to leverage my strengths with like-minded individuals to create value and improve our changing world. I have represented students and advocated for their interests for more than two years as a student senator from the College of Business and Industry and through work with the Minnesota State University Student Association. I was appointed to the Dean's Student Advisory Board for the College of Business and Industry in 2009. I graduated from North Dakota State University with a degree in Food and Nutrition, Didactic Program in Dietetics, in 1989. I participated in experimental foods research while earning my first degree and will be presenting with two other students at this year's Student Academic Conference.



# Living bald, beautiful, bold

Written by: Charly Haley

Sophomores Britt Lazur and Courtney Johnson are presenting “Beautifully Bald: Learning to Live with Alopecia through Self-Disclosure and Friendship” through the Communication Studies department, with Dean Denise Gorsline of the university college as their adviser.

The oral presentation will tell the story of Lazur’s struggle with alopecia, a skin disease that causes hair loss, and will describe how her friendship with Johnson has helped them both realize the disease isn’t necessarily negative and can be utilized as an opportunity for growth.

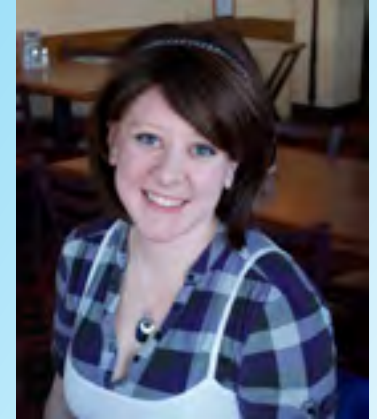
“Primarily through the use of personal stories, we’ll discuss how self-disclosure can strengthen interpersonal relationships and help us grow individually, socially and professionally,” Lazur said.

Johnson and Lazur didn’t know each other before they were randomly assigned to be roommates in the dorms nearly two years ago. As their friendship grew, Lazur disclosed more about herself and her emotional struggles with being bald due to alopecia to Johnson. Through this, they were able to learn.

Lazur, an English education major, will describe how living with alopecia will benefit her professionally as a teacher in the future.



*Above: Britt Lazur, Photos provided by Courtney Johnson*



“It really allows me some perspective,” Lazur said. “I can help my future students love themselves and be more comfortable with themselves because I’ve been through that. I have a similar experience that’s very obvious: losing your hair.”

Johnson, a photography major, will show how alopecia helped them learn about societal beauty and how it has helped her grow professionally with photography. She will be sharing photographs from a photo shoot with Lazur last semester.



*Courtney Johnson*

“Through the use of photography, we’ll discuss the social norms of ‘beautiful,’” Johnson said.

# Understanding LSD

By: Ryan Kartes

Manasvi Kulshrestha, a bioscience major at Minnesota State University Moorhead, will be presenting her topic “Understanding the neurological basis of LSD” at the Student Academic Conference on April 19, 2011.

Kulshrestha says that she chose to do research on the effects of LSD because she was interested in how it interacted with the human brain, as well as the fact that there is little, if any, research available in scientific journals concerning its use.

“We know that something is happening in the brain when a person takes LSD,” says Kulshrestha, “We just don’t know exactly what.” Kulshrestha said that LSD works by interfering with neurotransmitters, which are like the brain’s messengers, and desensitizing them. Most often it is the serotonin receptors. “LSD is known to affect people’s mood, attention spans and memory,” Kulshrestha says, “but it can also be used to treat schizophrenia. It creates a condition similar to schizophrenia in the user, so if we can understand how a schizophrenic feels, we can provide better treatment for them.”

Kulshrestha said that the reason LSD isn’t being used as a treatment, or even considered as a viable option worthy of study, is that it’s



illegal. “I have not seen any convincing reason for it to be illegal,” she said, “Yes, it was being abused, but it’s highly misunderstood. People are so ignorant; it may have bad qualities to it, but that doesn’t mean it doesn’t have any good ones as well.”

Kulshrestha said that preparing for the conference has been a very rewarding experience, and she hopes that her presentation is very informative. Her goal is to clear up some of the ignorance about LSD, as well as the stigma against it. “I can apply my research and thoughts to my project as a learner, but at the end of the day, it is how I feel about my topic that is presented,” Kulshrestha said.



# Art student sheds light on pharaohs of Egypt

Written by: David Ferrari

In a time before Leonardo's "Mona Lisa," and Michelangelo's "Sistine Chapel," Ancient Egypt stood with its iconic pharaoh. The portrayal of the pharaoh and his long conical beard has been a staple throughout art history. However some like Catherine Wack, better known as Cat, question the significance of the beard.

"In ancient Egyptian art you'll have depictions such as sculptures and paintings of the same pharaoh and in one

piece you'll have the really long conical beard but in another piece there will be the same pharaoh, and he doesn't," says Cat. During Minnesota State University of Moorhead's Student Academic Conference, Cat will demonstrate her thesis for the reason Ancient Egyptian pharaoh's beards mysteriously disappear and reappear, "I will be discussing and proving my view and my point of what conical false beards meant to the ancient Egyptian audience and what their part was in iconography."

Cat is going for a double emphasis of a drawing and art history major, "I've always been interested in art and it's pretty much what I focused on in high school. I did not have anything that I was remarkably good at other than that, so going into college it was pretty much the one thing I had going for me." Cat's study on ancient Egyptian art began a few semesters ago in a class studying Egyptian art history. She was unable to achieve a grade due to health issues and therefore she is taking part of the annual academic conference to make up for it. She will be using visuals and discussing her thesis throughout the power point.



Cat Wack

# Volunteer: All Paws Down

Presented by: Catherine Cork

Written by: Dane Kipp

Black and white photos of animals and the sad songs of Sarah McLachlan may make eyes water and get people thinking about their local animal shelter, but not many people actually do something to help.

Kathrine Cork, an MSUM student from Craig, Colo., is an exception. She's part of a group giving a presentation called "Volunteer: All Paws Down" and it's about the importance of humane societies, and how people can help out their local shelter. Cork joined the group after its initial formation but that doesn't mean she isn't passionate about the subject.

"I did some volunteering back at the shelter in my hometown all through middle school and part of high school," Cork says. "It's definitely something I care about." She encourages others to volunteer at their local shelter, though she warns "not all jobs are as fun as playing with cute dogs and cats."

Volunteer work involves caring for the animals: Grooming, cage cleaning, water refreshing and exercising them. Volunteers are also



expected to help potential adopters view the animals and make a decision on whether they'd like to take an animal home.

For those curious about adoption, Cork explains "you can actually do a foster home for a pet if you're not sure you're ready." Fostering an animal gives it a good home until someone decides to adopt it. The Humane Society tries to provide a high level of care, but individual care at a foster home generally provides more attention and care for the animal. If the foster care person decides to keep the animal, he or she is able to officially adopt it; otherwise he or she can care for it until a permanent owner is found. Volunteering or foster care is a large time commitment. Those who would like to help but don't have the time can donate money to the shelter, Cork says. Donations are used to help provide food, kitty litter and other items the shelter needs to care for animals. Those interested in learning more should watch Cork's presentation during the Student Academic Conference.

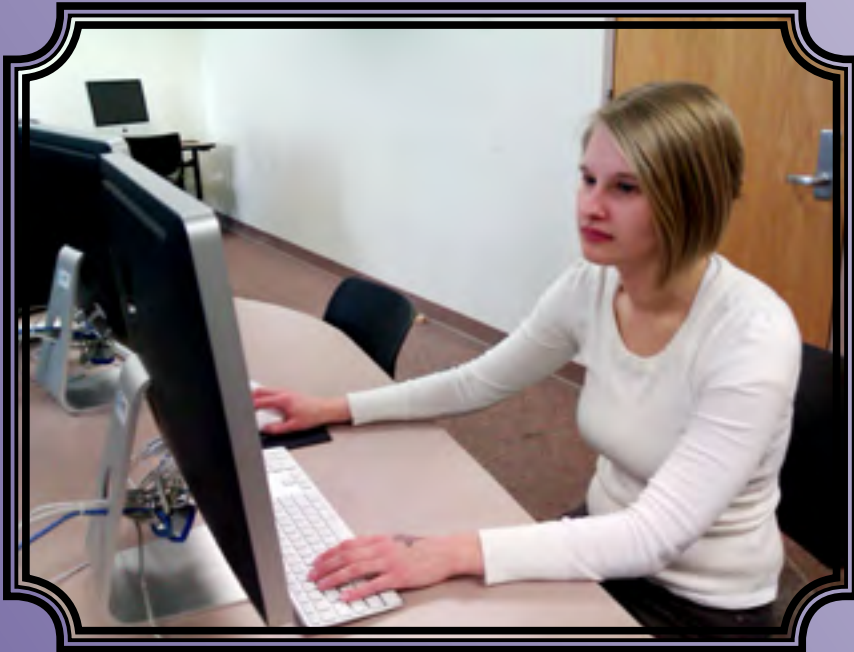


# It's Your Turn To Take Care Of Them

By: Ryan Ellingson

The first thing you notice when you meet Kaley Fisk is her smile. From the moment she walked into the interview to the moment she left, her passion for nursing was apparent in her smile.

Fisk grew up in Langdon, North Dakota, with her parents and brother. After graduation, she decided to attend Minnesota State University Moorhead to follow in her grandmother's footsteps and become a



nurse. MSUM has an excellent accelerated nursing program, which suited her well.

Fisk, a senior graduating this spring, is a presenter at this year's Student Academic Conference.

Her poster on "How to care for the Elderly in a Rural Community" fills a requirement for graduating. Fisk's work at Bethany Homes gave her inspiration to choose this topic. When asked about the intent of her project Fisk said, "I am just trying to educate people about all of the problems that elderly people go through."

# Think Different. Eat Different. Buy Different.

By Grant Nelson

Two Minnesota State University of Moorhead students will be spending their spring break studying farmers markets in Costa Rica.

Sophomore Heather North and junior Phillip Schotte will be presenting, “Farmers market vs. large American supermarkets” at this spring’s student academic conference.

Schotte and North will be in Costa Rica for 10 days studying the countries small farmers markets.

Schotte, a marine biologist major from Rochester Minn., said that in Costa Rica, the food markets are very different compared to the Wal-Mart’s of America.

“There is a big difference in the culture of buying food in Costa Rica than how we buy in America,” said Schotte.

North, a Grand Forks, N.D. majoring in biology, explained that the markets in Costa Rica are run on a much smaller scale.

“In a lot of other countries, the producer of food also sells the food, unlike in America.”

North and Schotte will share their experiences at MSUM’s student academic conference in April. The two students hope to teach how the American way of buying food is not exactly the world’s way.







## Filming to Help Local Community

By Matthew Liedke

This year's Student Academic Conference will involve many students from the film department sharing their knowledge of the art. One such student is Joshua Resch from Champlin, MN.

As a junior majoring in film with an emphasis in video production, Resch will be presenting a film he produced himself. The film is for the Recovery Worship, a church that helps people recover from various addictions. Resch says he will be screening the film and will follow with a presentation of how he and his group went about filming it, what it was like talking to the clients, and what the documentary is about.

This is Resch's second time appearing in the conference. During last year's SAC he said it was "a really fun experience." Since last year, Resch became fully involved in the school's film department helping others with film shoots, producing films, making his own films, and also being on the chief executive board of the Cinethusiast Club. When

his advanced video production professor asked if anyone wanted to be a part of the conference this year Resch went for the opportunity, "I thought that I would participate this year so people could see my work."

Resch hopes the film will give others "a look into the Fargo-Moorhead community and at the work that we as film students here at MSUM are producing for our very own community."



# Oh Behave.

Written by: Rachel Zoerner

Romantic relations affect all college students, but understanding the behaviors we exhibit due to them is hard to explain. Positive

illusions, jealousy and commitment are three powerful predictors in the length of a relationship and little research has been done on these areas together.

Lisa Dowers, a senior psychology major, began questioning females' inconsistent behaviors towards threats in relationships. "Human behavior is one of the facets which I find myself aiming to know more about," Dower says.

Dowers is preparing to present her findings at the MSUM Student Academic Conference. Her project is looking at females in relationships and how positive illusions affect jealousy and commitment in both positive and negative ways. "Contrasting to the positive views that are

associated with high commitment I believe I will find less commitment in those with positive illusions," Dowers explained.

She is currently conducting an experiment to determine how females react in threatening situations versus non-threatening situations.

The results will impact knowledge we have on how relationships are maintained, which will direct further research. Dowers stated, "My hypothesis for this research is something that the average individual can relate to and it can be easily applied to everyday behavior."

After attending the Student Academic Conference last year, Dowers immediately knew she wanted to be a presenter. She feels that it is not only a great learning experience, but also an opportunity to get her research out into the eyes of the public.





# Moorhead gangs: 'A very sensitive subject'

By: Matthew Beckman

All those times parents told their kids to stop flashing gang signs in their Facebook pictures actually count for something, as even a town like Moorhead has its own gang population.

Crystal Smith, a junior in the criminal justice program, will be presenting "Moorhead Gangs."

"I've always been interested in crime shows and mysteries and stuff," Smith said.

Smith chose to focus her presentation on gangs in Moorhead because she was curious herself.

"It's going to be hard to present it in a way that won't sensationalize it," Smith said. "It's a very sensitive subject ... I feel like it will be hard to do it ethically."

Smith has made herself familiar to Moorhead police by taking part in Police Explorers, a classroom and exercise based program to teach people aged 15 to 21 years old how to think and react like an actual officer. She has also participated in ride-alongs, sitting in the passenger seat of a patrol officer's squad car during a shift to shadow their typical activities.

Chris Martin, the detective in charge of gang and narcotics investigations, has been a major source of information for Smith. She's also spoken to MSUM psychology professor Nick Leonard, who has done psychology work in downtown Chicago with gang families.

"Moorhead gangs are more focused in drug trafficking than gang violence," Smith said. She added gangs in Moorhead are often part of larger national gangs, but lack in-depth relations. Most members are older and aren't as involved as gang branches that are based in major cities.



*Crystal Smith*

# Poet teaches others to enjoy his art

Written by: Tyler Anderson

In an age of MP3 players and digital distractions, poetry can seem a thing of the past. Logan Herold, an MSUM senior majoring in English, sees it differently.

A poet himself, Herold practices one of the world's oldest art forms. But despite thousands of years in popularity, a passion for lines and verses is not always easy to find. In his studies, Herold often wonders why poetry fell out of favor with a younger generation. The answer, he believes, is in the way we learn it.

"We teach people to analyze poetry on such a literal level," Herold said. "I want people to respond to how they see the image, how they feel about it, how it makes them react. That's the way people generally respond to music."



Logan Herold

According to Herold, the emotional appeal and engaging rhythm of a good song can also be found in many poems. He wishes more people made the comparison, explaining that poets like Allen Ginsberg can conjure the same haunting energy as Billie Holiday, Flogging Molly and other musical legends.

Borrowing a term from the Spanish poet Federico Garcia Lorca, Herold calls

that energy "duende," or the power to evoke physical sensations in the listener. Lorca explained the concept as a kind of inner struggle, unconscious in nature, through which art can be experienced at an instinctive level. This effect, Herold contends, is what makes us remember our favorite music and poetry best.

"You hear it and you can't get it out of your head," Herold said. "If you don't have that feeling, that sense of 'duende,' you just have a bunch of pretty words written."

Using this idea, Herold wants to remind students that poetry isn't just for literary buffs and that it requires no special study to enjoy. He knows his approach may draw disapproval from die-hard poetry enthusiasts, but he's more interested in spreading the word than arguing with any critics.

"If it gets people talking about it, I'm happy," Herold said. Herold's own poetry has been published in MSUM's annual literary magazine "Red Weather" and he will be reading his work at the 2011 Sigma Tau Delta International Convention in Pittsburgh this coming March.



# Fashion in Focus

Story and Photos By Natalie Lindberg

Many people love all the elements of fashion from the unique clothes that are worn, the detailed makeup, to the offbeat designers, celebrities, and models.

Lets face it, one of the most cutthroat, competitive, and thrilling industries is the fashion Industry. But the models and designers aren't the only ones on the forefront of fashion.

Megan Mack and Traci Burke are both studying art and photography at MSUM. Mack and Burke are doing a powerpoint presentation on how the fashion industry has evolved with the art of photography for the 2011 spring student academic conference.

Fashion is a way of expressing my ideas and I feel like I have more of a connection with the camera, says Mack.

Fashion and photography have lots of things in common with how commercial photography and fashion are both about staying on top of trends and experimenting.

I believe that fashion photography has changed through the years by becoming more conceptual with how they «sell» the clothing and products; in earlier years fashion photography was very

commercial in the way that products were displayed and how things were much more catalog than high fashion, says Burke.

With advanced editing programs and digital photography getting the perfect image has been made easier and more accessible.

“Fashion photography, fashion advertisement, and even how the media portrays the designers clothing has changed,” says Mack.

Mack and Burke are hoping to open the eyes of people at the student academic conference and demonstrate of how the camera lens can capture the true essence and beauty of fashion.



*Traci Burke*



*Megan Mack*



# Protecting your children on the Internet playground

By: Dylan Jacobson

The next time you log onto Facebook or meet someone new in a chat room, Taunia Tigs urges you to stop and think. By allowing a stranger on your computer screen, you are allowing a stranger into your living room. Tigus wants you to keep in mind how close your Facebook friends really are.

What started as an oral presentation for her media ethics class has become her presentation for the Student Academic Conference: “The Internet and Pedophiles, Are Your Children at Risk?” Along with being a student, Tigs is a mother of three young girls and her presentation topic is close to her heart. “As parents, it is very important that we take time, be aware and be diligent of protecting our kids; you can’t just expect that somebody else is going to,” Tigs says. Autonomy is what makes the Internet an ideal hangout for predators. It is a crime that is almost impossible to persecute. “All they need is a different computer or a different username,” said Tigs.

While the Internet can be dangerous, Tigs stresses knowledge is power against pedophiles, and gives these tips for safer Internet surfing:



*Taunia Tigs*

- Educate kids to let them know what they might encounter online and to respond.
- Use passwords and Internet safety options.
- Keep the computer in an open room and always be around when kids are online.

Tigs did admit she is a bit nervous for the conference. She said: “I wasn’t sure at first that my paper would be worthy.” However, her excitement outweighs anything else. “Not every university offers an opportunity for its students like this. I think this is a great opportunity and if I didn’t take advantage of it, id probably regret it later.”



# Students join cancer research on campus

By Kristin Kirtz

NHE1 is a sodium hydrogen exchanger. No one knows what that means, right? Wrong. MSUM junior Rubi Gutierrez does.

Along with six other students, Gutierrez is involved with cancer research on campus, working side-by-side with Dr. Mark Wallert and Dr. Joseph Provost. Although Gutierrez was new to this study last semester, this research has been going on for a few years.

“I went to research night and heard about Dr. Wallert and Dr. Provost’s research and I thought it sounded like a good experience, so I applied,” Gutierrez said.

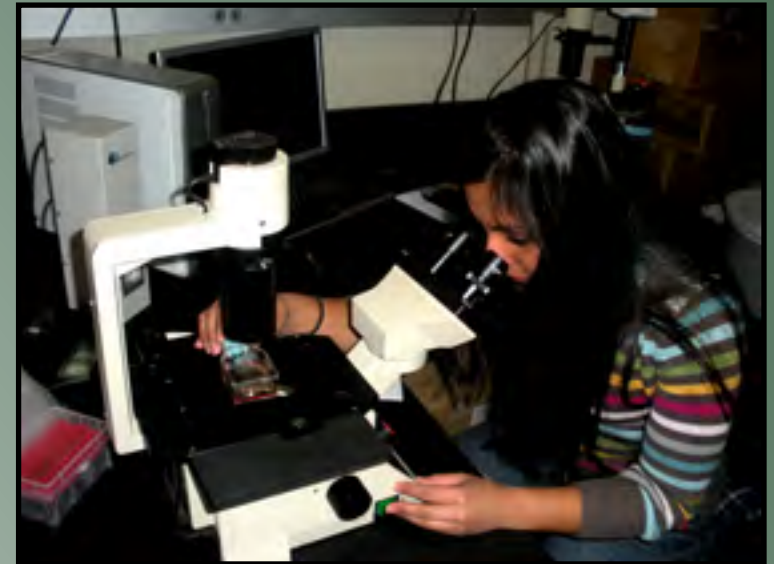
When Gutierrez found out she got the job, she went hard to work in the lab. Each individual person has their own specific experiment to perform.

“My job is to take three different kinds of cell lines and stimulate them with stress fiber formations, which are thought to be responsible for cancer cells moving, and I am hoping to prove that NHE1 is responsible for stress cell formation,” said Gutierrez.

If that didn’t make any sense to you, don’t worry. In plain English, Gutierrez is trying to prove that a certain protein is to blame for cancer cells moving.

“So far I’ve gotten really good results and we are making really good progress,” Gutierrez said.

At the end of all of this, the ultimate goal is to publish a medical paper about their discovery.



*Rubi Gutierrez studying cells in the lab.*

# Theatre Arts Expo

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9:30 A.M.

## ***Stop Kiss***

Produced by THTR 490 Practical Studio

“A poignant and funny play about the ways, both sudden and slow, that lives can change irrevocably,” says Variety. After Callie meets Sara, the two unexpectedly fall in love. Their first kiss provokes a violent attack that transforms their lives in a way they could never anticipate.

An entirely student produced play from directors and actors, to stage management and design. See MSU Moorhead students put theory into practice in this contemporary play performance.

*90-minute presentation*

*in Glasrud Auditorium, Weld Hall*

1:00 P.M.

## ***If You Give A Mouse A Cookie***

Produced by THTR 469 Theatre Internship

Let's say you're standing around the kitchen, minding your own business, when a mouse in coveralls wearing a backpack shows up. What would you do? See how a curious kid finds himself figure skating on scrub brushes, wrestling boa constrictors and climbing mountains when an innocent milk-and-cookie snack time goes from mishap to calamity to catastrophe faster than the twitch of a whisker!

Based on the popular children's book of the same title, this professional internship allows MSU Moorhead theatre arts students a unique touring experience. This group of actors performs February through April to groups across Minnesota and North Dakota. Reconnect with your childhood in this truly charming theatrical endeavor.

*45-minute presentation*

*in Glasrud Auditorium, Weld Hall*

2:30 P.M.

## ***The Musical of Musicals***

Produced by THTR 490 Practical Studio

The Musical of Musicals (The Musical!) is a musical about musicals! In this hilarious satire of musical theatre, one story becomes five delightful musicals, each written in the distinctive style of a different master of the form, from Rodgers and Hammerstein to Stephen Sondheim. This comic valentine to musical theatre was the longest running show in the York Theatre Company's 35-year history before moving to Off-Broadway. “Witty! Refreshing! Juicily! Merciless!”—Village Voice.

An entirely student produced play from directors and actors, to stage management and design. See MSU Moorhead students put theory into practice in this unique musical theatre performance.

*2-hour presentation at*

*Gaede Stage, Dille Center for the Arts*

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## *Accounting*

### **Forensic Accounting: A Research Study**

Sujata Sherchan, Aisha Mohamed, Mallika Koirala  
Oral Presentation

3:20 – 3:40 • LO 0108

### **Cybercrime on Campus**

Tharaka Muthukumarana, Nasheeba Shrestha  
Poster/Display #2

10:10AM – 10:50AM • CMU Basement Hallway

### **How to Prevent Internal Fraud**

Thomas George, Alexander Hajcek  
Poster/Display #3

1:00PM – 1:40PM • CMU Basement Hallway

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## *Anthropology*

### **EM Survey at Historic Moorhead Site**

Ashleigh Day  
Poster/Display #6

10:10AM – 10:50AM • CMU Basement Hallway

### **Fort “Desolation” ND: Mortuary Analysis and Culture**

Larissa Harris, Jenna Clawson  
Poster/Display #5

10:10AM – 10:50AM • CMU Main Lounge

### **Gender Among The Lakota**

Robert Jacobson  
Poster/Display #9

10:10AM – 10:50AM • CMU 2nd Floor Hallway

### **Hands-on cultural learning; the story of a birch bark lodge**

Athena Aitken  
Poster/Display #8

10:10AM – 10:50AM • CMU 2nd Floor Hallway

### **Neologisms: the death of English and birth of new American**

Eric Olson

Poster/Display 10

1:00PM – 1:40PM • CMU 2nd Floor Hallway

### **Prehistoric Settlement in Swift County, Minnesota**

Katie Jacobson

Poster/Display 11

1:40PM – 2:20PM • CMU Basement Hallway

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## *Anthropology*

### **Preserving the Past for the Future: Curation in Archaeological Practice**

Brett Tanselle, Danielle Truitt

Poster/Display #4

1:40PM – 2:20PM • CMU Basement Hallway

### **Wet Site Archaeology: An Overview**

Sara Kram

Poster/Display #7

3:30PM – 4:10PM • CMU 2nd Floor Hallway

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## *Art and Design*

### **“Malleable” : A Presentation of Sarah Poepping’s Photographic Series**

Sarah Poepping

Oral Presentation

10:10 – 10:30 • CMU 203

### **A Disappearing and Reappearing Act: The Iconic Beard of Ancient Egyptian Pharaohs**

Catherine Wack

Oral Presentation

10:30 – 10:50 • CMU 203

Conference Participants Listed by Department

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## **Earth Art of the 1960s and 70s**

**Lewis Burris**

Oral Presentation

1:00 – 2:20 • CMU 203

## **Fashion Through The Lens**

**Traci Burke, Megan Mack**

Oral Presentation

9:50 – 10:10 • CMU 203

## **Just Do It: Nike's Takeover of Sports Design and Marketing**

**Addie Borgh**

Oral Presentation

1:00 – 2:20 • CMU 203

## **Lasting Projects of the New Deal in Fargo/Moorhead**

**Jessica Lambertz**

Oral Presentation

9:30 – 9:50 • CMU 203

## **The Cultural Relevance of Comics**

**Rebekah Wicklund**

Oral Presentation

1:00 – 2:20 • CMU 203

## **The Direction of Interactive Design**

**Jacob Christenson**

Oral Presentation

1:00 – 2:20 • CMU 203

## **The Power Of Questions: Divergent Thought in the 21st Century**

**Moriah Thielges**

Oral Presentation

2:30 – 2:50 • CMU 203

## **Early Photographic Process: Van Dyke Brown.**

**Kelsey Cain, Madalyn Mickelberg**

Poster/Display #15

10:10AM – 10:50AM • CMU Basement Hallway

## **Graphic Design and the proper way to layout a poster**

**Katie Hamness, Kaity O'Malley, Amber Nelson, Jacob Christenson, Whitney Lunn**

Poster/Display #13

10:10AM – 10:50AM • CMU 2nd Floor Hallway

## **How to Make and Use a Pin Hole Camera**

**Tiffany Boecker, Kayla Lagred, Dan Marsh**

Table Display #12

10:10AM – 10:50AM • CMU 2nd Floor Hallway

## **Petrichor Images: Vanessa Gamelin Photography**

**Vanessa Gamelin**

Poster/Display #17

1:40PM – 2:20PM • CMU Basement Hallway

## **The Unknown Work of Vivian Maier**

**Julian Dahlquist**

Poster/Display #16

2:30PM – 3:10PM • CMU 2nd Floor Hallway

## **Wedding Photography by MwPhotography**

**Melissa Wentworth**

Table Display

3:30PM – 4:10PM • CMU 2nd Floor Hallway

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## ***Athletic Training***

## **Acupuncture in our lives**

**Yusuke Nejo**

Poster/Display 25

9:30:00 AM – 10:10:00AM • CMU Basement Hallway

## **Concussions: Can the effects linger for decades?**

**Gregory Martodam**

Poster/Display 24

9:30:00 AM – 10:10:00AM • CMU 2nd Floor Hallway

Conference Participants Listed by Department

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## **Cystic Fibrosis**

**Rachael Ochs**

Poster/Display 22

10:10AM – 10:50AM • CMU Basement Hallway

## **Dazed and Confused**

**Alexandra Mahmood**

Poster/Display 19

10:10AM – 10:50AM • CMU Basement Hallway

## **KAATSU Training**

**Takuto Kondo**

Poster/Display 21

1:00PM – 1:40PM • CMU Basement Hallway

## **Migraines**

**Mark McIntire**

Poster/Display 23

1:00PM – 1:40PM • CMU 2nd Floor Hallway

## **Vocal Cord Disorder: The Mistaken Wheeze**

**Amber Brandenburger**

Poster/Display 20

3:30PM – 4:10PM • CMU Main Lounge

## **Whats So Fishy About Fish Oils**

**Joshua Werk**

Poster/Display 18

3:30PM – 4:10PM • CMU 2nd Floor Hallway

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## **Biology**

### **A test of a method for mass – training fish for applications in aquaculture.**

**Justin Olson**

Oral Presentation

9:50 – 10:10 • CMU 205

### **Do trematode cercariae, Ornithodiplostomum ptychocheilus, employ inclusive fitness by acting as a food source for their intermediate host fathead minnow, Pimephales promelas?**

**Tara Eichhorn**

Oral Presentation

10:10 – 10:30 • CMU 205

### **Effect of order of stimulus presentation on releaser – induced recognition learning**

**Tara Eichhorn, Jessica A Michelson, Justin A Olson,**

**Michelle M Toren, Kiaja R Undersander**

Oral Presentation

10:30 – 10:50 • CMU 205

### **Emergence of Antiviral Drug Resistance in Herpesviruses**

**Jasen Walker**

Oral Presentation

1:20 – 1:40 • CMU 205

### **Farming Techniques in Costa Rica vs. United States**

**Jacinta David, Joanna Lock, Jase Beck**

Oral Presentation

2:30 – 2:50 • CMU 205

### **Money Doesn't Grow on Trees: The environmental, economic, and global costs of deforestation in Costa Rica.**

**Danielle Kuperus, Nancy Stenger**

Oral Presentation

2:00 – 2:20 • CMU 205

### **Organics and Inorganics of America and Costa Rica**

**Lindsay Mitlyng, Jennifer Kelley**

Oral Presentation

1:00 – 1:20 • CMU 205

Conference Participants Listed by Department

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## **Shopping at Farmers Markets vs. Large Supermarkets**

Phillip Schotte, Heather North

Oral Presentation

1:40 – 2:00 • CMU 205

## **The effect of multiple infections of a brain – encysting trematode on the optomotor response of fathead minnows.**

Jessica Michelson

Oral Presentation

9:30 – 9:50 • CMU 205

## **A Decade of Painted Turtle Ecology in Clay County, Minnesota What Have We Learned?**

DeAnna Rastedt, Ashley D. Remmick, Nicole D. Brokmeier, Justin A. Olson, Jason L. Walker, Jennifer D. Ringgold, Sarah E. Martinson

Poster/Display 35

9:30 – 10:10 • CMU Basement Hallway

## **A Test For Phenotypic Plasticity In The Ontogeny of Skeletal Ossification in Larvae of Two Species of Cichlids**

Feba Hauer, Kevin Kinter, Alane Sauer, Jessica Nymark, Kevin Kinter

Poster/Display 40

9:30 – 10:10 • CMU Basement Hallway

## **Bacillus**

Dana Dugger

Poster/Display 47

9:30 – 10:10 • CMU Basement Hallway

## **Behavioral modifications of Pimephales promelas infected with the brain parasite Ornithodiplostomum ptychocheilus in response to light cues.**

Michelle Toren

Poster/Display 50

9:30 – 10:10 • CMU Main Lounge

## **Bi – Parental Teaching by Fish**

Nicole Savageau, Kim Fritel

Poster/Display 41

9:30 – 10:10 • CMU Main Lounge

## **Common Garden Experiment in Convict Cichlid**

Randy Sutrisno, Phillip Schotte

Poster/Display 38

9:30 – 10:10 • CMU 2nd Floor Hallway

## **Does population carrying capacity in protists scale exponentially with temperature?**

Ariel Gray, Ashlyn Kuklock, Jaclynn Kuklock

Poster/Display 31

10:10AM – 10:50AM • CMU Basement Hallway

## **Drifts and Shifts of Influenza Virus and Immune Response**

Finlay Marube

Poster/Display 46

10:10AM – 10:50AM • CMU Basement Hallway

## **Experimental infection of fat head minnows, Pimphelas promelas, with the brain worm Ornithodiplostomum ptychocheilus, and testing if the infection leads to chemical signals being released from the infected fish**

Kiaja Undersander

Poster/Display 51

10:10AM – 10:50AM • CMU Main Lounge

## **Exploration of the relationship between the Cassava plant to the Taino people of the Greater Antilles.**

Kimberly Iwen, Nathaniel Jacob Arneson

Poster/Display 27

10:10AM – 10:50AM • CMU Main Lounge

Conference Participants Listed by Department

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**Feeding level and size – pairing impacts on intraspecific competition between fathead minnows**

Harrison Pantera, Brent Vandal

Poster/Display 32

10:10AM – 10:50AM • CMU Main Lounge

**In Silico Analysis and Molecular Dissection of the PPKK:PDRP Interaction**

Mitchell Lakner, Sara Aleem, Nivedha Manohar

Poster/Display 28

1:00PM – 1:40PM • CMU Basement Hallway

**Investigations of biochemical and molecular mechanisms of systemic acquired resistance in *Cucumis sativus***

Natalia Belavina

Poster/Display 30

1:00PM – 1:40PM • CMU Basement Hallway

**Lyme Disease Prevalence in Southeastern North Dakota**

Daisy Boatey

Poster/Display 43

1:00PM – 1:40PM • CMU Basement Hallway

**Match.com – What's your blood group?**

Heather Sorenson

Poster/Display 48

1:00PM – 1:40PM • CMU Main Lounge

**Parental teaching by fish biparental**

Kim Fritel, Nicole Savageau

Poster/Display 39

1:40PM – 2:20PM • CMU Basement Hallway

**Preliminary genetic analysis of *Lasioglossum (Dialictus) spp.* (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.**

Nancy Stenger, Karsten Nash, Rachel Walsh,

Emmanuel Fohle, Angela Mccollam

Poster/Display 26

1:40PM – 2:20PM • CMU Basement Hallway

**Science Discovery Camp for Middle School Students**

Mitchell Lakner, Renek Jorgenson

Poster/Display 29

1:40PM – 2:20PM • CMU Main Lounge

**Shining a Light on Acne**

Sabrina Sam

Poster/Display 49

1:40PM – 2:20PM • CMU 2nd Floor Hallway

**Testing Inheritability of Shy/Bold Personality Traits in Zebrafish Offspring**

Cory Sailer, Sonny Radenic, Randy Sutrisno

Poster/Display 37

2:30PM – 3:10PM • CMU Main Lounge

**The affects of exotic earthworms on Big Bluestem, *Andropogon gerardii*, prairie plants**

Amy Moorhouse, Brittany Beers

Poster/Display 36

2:30PM – 3:10PM • CMU Main Lounge

**The Role of NHE in Directional Cellular Migration**

Abbey Walski

Poster/Display 44

2:30PM – 3:10PM • CMU 2nd Floor Hallway

**The significance of the RSK and ROCK phosphorylation sites of NHE1 and their role in the regulation of cellular migration**

Andrew Dornbusch

Poster/Display 45

2:30PM – 3:10PM • CMU 2nd Floor Hallway

**Understanding the neurological basis of LSD**

Manasvi Kulshrestha

Poster/Display 42

3:30PM – 4:10PM • CMU Main Lounge

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**Urban Canada Geese in Moorhead,  
Minnesota: How Many are Too Many?**

DeAnna Rastedt, Kyle Kosak, Christina Sadowski

Poster/Display 33

3:30PM – 4:10PM • CMU Main Lounge

**Urban Turkeys: Survey of Wild Turkey  
Distribution and Numbers, Human – Turkey  
Interactions, and Public Opinion in the Red  
River Valley in Cass (North Dakota) and  
Clay (Minnesota) Counties (2003 – 2010)**

DeAnna Rastedt, Ashley D. Remmick, Jasen L. Walker

Poster/Display 34

3:30PM – 4:10PM • CMU Main Lounge

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**Corrick Center for General  
Education**

**Designer Babies**

Alyssa Olson, Shana Heuer, Caitlyn Holowell, Ivy Schueller, Yalonda Nelson

Debate

2:50 – 3:20 • CMU 205

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**Chemistry**

**Does Piagetian Cognitive Ability Level  
Affect Student Ability To Accurately Perceive  
And Interpret Environmental Threats?**

Amanda Fay, Abbi Wittner, David Bye

Oral Presentation

9:30 – 9:50 • CMU 207

**Impact of NHE1 Phosphorylation by  
Ribosomal S – 6 kinase and RhoA kinase  
on ERM binding and cell motility**

Tony Nguyen

Poster/Display 23

1:00–1:40 • CMU 2nd Floor Hallway

**Investigation of calcineurin B homologous  
protein isoform 2 regulation of Na<sup>+</sup>/H<sup>+</sup>  
exchanger. A potential novel therapeutic  
target to treat non – small cell lung cancer.**

Kristina Anderson

Oral Presentation

1:20–1:40 • Ballroom D

**Investigation of calcineurin B homologous  
protein isoform 2 regulation of Na<sup>+</sup>/H<sup>+</sup>  
exchanger. A potential novel therapeutic  
target to treat non – small cell lung cancer.**

Kristina Anderson

Poster/Display 161

9:30AM – 10:10 AM • CMU Basement Hallway

**A New Procedure for the Acylation of  
Pyrizolidinone Rings Using Mukayamas Reagent**

Amie Nowacki

Poster/Display 63

9:30 – 10:10 • CMU Basement Hallway

**A New Procedure for the Acylation of  
Pyrizolidinone Rings Using Mukayamas Reagent**

Amie Nowacki

Poster/Display 62

9:30 – 10:10 • CMU Basement Hallway

**A Novel Method to Generate IR Spectra  
of Solutes in Solution State**

Etsehiwot Gebreselassie, Ruvimbo Chitemere

Poster/Display 53

9:30 – 10:10 • CMU Basement Hallway

Conference Participants Listed by Department

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### **Assessment of Rsk and Rock Phosphorylation of NHE1 on Cell Proliferation and Migration.**

**Cory Weidman**

Poster/Display 65

9:30 – 10:10 • CMU Basement Hallway

### **Conjugate Addition of Malononitrile to Unsaturated Carbonyls**

**Kiesha Bullock**

Poster/Display 59

9:30 – 10:10 • CMU 2nd Floor Hallway

### **Conjugate Additions to Unsaturated Carbonyls**

**Pedro Flores Gallardo**

Poster/Display 61

10:10AM – 10:50AM • CMU Basement Hallway

### **Copper(II) Complexes of Pyridine – 2, 6 – bisamide Ligands**

**Kaitlyn Funk, Michelle Branch**

Poster/Display 54

10:10AM – 10:50AM • CMU Basement Hallway

### **High – yield synthesis of the semicarbazide adduct of cyanoborane**

**Ismael Banla, Taehyun Kim**

Poster/Display 55

10:10AM – 10:50AM • CMU 2nd Floor Hallway

### **Improved Procedures for the N – Alkylation of Pyrazolidinone Rings Using Aldehydes and Sodium Borohydride**

**Jasen Walker**

Poster/Display 58

2:00–2:40 • CMU Basement Hallway

### **In vivo EPR signal reduction of spin – labeled free radicals in living mice**

**Victoria Honetschlager**

Poster/Display 64

1:00PM – 1:40PM • CMU Basement Hallway

### **Measuring NHE activity with fluorescence microscopy.**

**Nicholas Berthelsen**

Poster/Display 67

1:00PM – 1:40PM • CMU Main Lounge

### **Preparation of Imino Esters and Investigation of their Conjugate Additions to Unsaturated Carbonyls**

**Arjun Kafle**

Poster/Display 60

1:40PM – 2:20PM • CMU Basement Hallway

### **Preparation of Tetrahydroisoquinoline – Derived Azomethine Ylide Dipoles and Investigation of their Cycloaddition to Unsaturated Acyl Pyrazolidinones**

**Zachary Morseth**

Poster/Display 57

1:40PM – 2:20PM • CMU Basement Hallway

### **Synthesis and Characterization of a Dye – Sensitizer**

**Samantha Stewart – James, Gifty Fokuo**

Poster/Display 52

1:40PM – 2:20PM • CMU 2nd Floor Hallway

### **Synthesis of a new Cyanoborane polymer with a trigonal planar boron.**

**Taehyun Kim , Ismael Banla**

Poster/Display 56

1:40PM – 2:20PM • CMU 2nd Floor Hallway

### **The Role of NHE1 Transmembrane Protein in Stress Fiber Formation**

**Rubi Gutierrez**

Poster/Display 66

2:30PM – 3:10PM • CMU 2nd Floor Hallway

Conference Participants Listed by Department

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## *Criminal Justice*

### **Moorhead Gangs**

Crystal Smith

Oral Presentation

3:20 – 3:40 • CMU 203

## *Construction Management*

### **Construction Management Capstone Experience – Multi – unit housing development**

Corey Bronczyk, Joshua Ridler, Lucas Menton

Oral Presentation

3:30 – 3:50 • CMU 207

### **Capstone Experience – BDM Constructors**

Bryan Franklin, Michael Kirby, Derek Bomstad

Poster/Display 70

9:30 – 10:10 • CMU Main Lounge

### **CM496 Downtown Moorhead Project**

Anthony Erickson, Adam Brammer

Poster/Display 68

9:30 – 10:10 • CMU 2nd Floor Hallway

### **Noodles And Company**

Phillip Eslinger, John Bell, John Bellon

Poster/Display 72

1:00PM – 1:40PM • CMU 2nd Floor Hallway

### **Sub – Zero Contractor's Recreational Renovation**

Jordan Korczak, Kelly Ham, Justin Filas

Poster/Display 69

1:40PM – 2:20PM • CMU 2nd Floor Hallway

### **Supercross Track**

Christopher Roach, Zachary Hill, Anup Adhikari, Ryan Seidel

Poster/Display 71

1:40PM – 2:20PM • CMU 2nd Floor Hallway

## *Communication Studies*

### **A Postmodern Pyramid: The Rhetoric in Radiohead's Pyramid Song**

Grant Ertl

Oral Presentation

9:50 – 10:10 • CMU 227

### **An Assessment on the Republican Candidates for the 2012 Election.**

Danielle Saul

Oral Presentation

1:20 – 1:40 • CMU 227

### **Beautifully Bald: Learning to Live with Alopecia through Self – Disclosure and Friendship**

Brittany Lazur, Courtney Johnson

Oral Presentation

10:30 – 10:50 • CMU 227

### **Discovering Bangladesh: Halfway Around The World**

Tony Dahlen

Oral Presentation

9:30 – 9:50 • CMU 227

### **Hunger – Something to Grumble About**

Rebecca Spanier, Karly Mackedanz

Oral Presentation

1:40 – 2:00 • CMU 227

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**Identifying characteristics of conspiracy rhetoric in David Ray Griffin's The Mysterious Collapse of World Trade Center 7.**

**Matthew Lech**

Oral Presentation

10:10 – 10:30 • CMU 227

**Living Learning Communities and retention rate.**

**Allison Berger, Jeanne Hettich, James Borgen**

Oral Presentation

2:00 – 2:20 • CMU 227

**Volunteering: All Paws Down**

**Katelin Hansen, Kathrine Cork, Keely Huso**

Oral Presentation

1:00 – 1:20 • CMU 227

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***Computer Science and Information Systems***

**Make the next facebook: Developing a webapp on Google App Engine**

**Sri Krishna Kadimisetty**

Workshop

1:40PM – 2:10PM • Ballroom D

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***Economics***

**Bumper Expectations: The Effect of Revenue Insurance on Yield Volatility**

**Nicholas Pates**

Oral Presentation

10:10 – 10:30 • Ballroom A

**Determinants of the Price of Smartphones**

**Robert Eden**

Oral Presentation

10:30 – 10:50 • Ballroom A

**Does the National Basketball Association's Soft Salary Cap Increase Competitive Parity?**

**Kegan Reiswig**

Oral Presentation

2:00 – 2:20 • Ballroom A

**Economic Development in Indian Country: Best Practices and Possibilities**

**Glen Marshall**

Oral Presentation

9:30 – 9:50 • Ballroom B

**Effects of Employment on Minnesota State University Moorhead Students' Grades**

**Rachel Metzger**

Oral Presentation

1:00 – 1:20 • Ballroom B

**Every Drop Counts: An Analysis of International Water Markets and Pricing Policies**

**Jacob Larsen**

Oral Presentation

1:00 – 1:20 • Ballroom A

**Expansion Outlook: Fergus Falls, MN**

**Laura Trosdahl**

Oral Presentation

2:30 – 2:50 • Ballroom A

**Guatemala's Road to Development: An Economic Assessment.**

**John Thein**

Oral Presentation

3:30 – 3:50 • Ballroom A

**How Employment Opportunities Affect University Retention**

**Luke Sperling**

Oral Presentation

9:50 – 10:10 • Ballroom A

Conference Participants Listed by Department

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## **Increased Sales in the Fourth Quarter: How Wal – Mart's Sales Impact the Retail Industry**

**Aaron Ato – Davies**

Oral Presentation

2:50 – 3:10 • Ballroom A

## **In – Kind Transfers of Payment**

**Joseph Bottrell**

Oral Presentation

10:30 – 10:50 • Ballroom B

## **Refugees, Opportunities, and Fargo: An Economic Relationship**

**Vaneesha Dusoruth**

Oral Presentation

1:40 – 2:00 • Ballroom A

## **The Role of Trade and Foreign Direct Investments in the Economic Growth of Sub – Saharan African Countries.**

**Zuweina Mohamed**

Oral Presentation

3:10 – 3:30 • Ballroom A

## **The U.S. Corporate Tax System: Is Uncle Sam Encouraging Investment Abroad?**

**Peter McCallum**

Oral Presentation

1:20 – 1:40 • Ballroom A

## **Toward a Sustainable Textbook Future – The Free, Open, and Digital Revolution**

**Allison Goldberg, Kyle Blake, Margaret Olatunbosun**

Oral Presentation

9:30 – 9:50 • Ballroom A

## **University Housing Policy and the Bottom Line: Strange Bedfellows or Not?**

**Robert Wright**

Oral Presentation

9:50 – 10:10 • Ballroom B

## **What factors influence the location decisions of service-sector firms in Minnesota and North Dakota?**

**Laura Lien**

Oral Presentation

10:10 – 10:30 • Ballroom B

ECON – – Economics

## **Transition to Sustainable Energy**

**Fariha Rahman**

Poster/Display 73

3:30PM – 4:10PM • CMU Main Lounge

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## ***Elementary and Early Childhood Education***

### **Comparing a Children's Film to the Literary Work that Inspired It**

**Amber Short**

Poster/Display 74

9:30 – 10:10 • CMU 2nd Floor Hallway

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## ***English***

### **"A Fine Frenzy": Gender Dynamics in "A Midsummer Night's Dream"**

**Vanessa Perkins**

Oral Presentation

1:40 – 2:00 • CMU 101

### **An Animal Kingdom of Mishaps**

**Crystal Pound**

Oral Presentation

9:30 – 1:40 • CMU 101

Conference Participants Listed by Department

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### **"Where is the Duende?": An Approach to Understanding Poetry for All Readers**

**Logan Herold**

Oral Presentation

2:00 – 2:20 • CMU 101

### **Down the Tracks: An Ecocritical Examination of Progress and Nature from Walden to Today**

**Matthew Pullen**

Oral Presentation

9:30 – 1:40 • CMU 101

### **Henry David Thoreau's Vision of Man and Nature**

**Chitrasen Parbhunath**

Oral Presentation

9:30 – 1:40 • CMU 101

### **Hijacking Cultural Momentum: Steinbeck's Use of the Archetypal Image of Christ in The Grapes of Wrath**

**Michael Lobdell**

Oral Presentation

2:30 – 2:50 • CMU 101

### **How Atheists Can Get Into Heaven: Christopher Hitchens and the Catholic Church**

**John Goerke**

Oral Presentation

3:10 – 3:40 • CMU 101

### **Return to the Farm**

**Emily Welin**

Oral Presentation

9:30 – 1:40 • CMU 101

### **The Land of 9, 999 Lakes**

**April Matson**

Oral Presentation

9:30 – 1:40 • CMU 101

### **The Necessity of Nature Writing**

**Kai Thorstad**

Oral Presentation

9:30 – 1:40 • CMU 101

### **The Undeclared Student: Exploration and Strategies**

**Kimberly Ehrlich**

Oral Presentation

2:50 – 3:10 • CMU 101

### **Chasing Lincoln's Killer**

**Hannah Frink**

Poster/Display 75

9:30 – 10:10 • CMU 2nd Floor Hallway

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## ***Film Studies***

### **Dead Again: A Senior Seminar Film**

**Marcus Mann, Scott Tostenrud**

Film Screening

9:30 – 9:50 • LO 0102

### **"The Unseen"**

**Ashley Alsum**

Oral Presentation

1:00 – 1:20 • LO 0102

### **A Reappraisal of Voice – over Narration**

**Tyler Sorensen**

Oral Presentation

10:10 – 10:30 • LO 0102

### **Analyzing Human Rights in Science Fiction Films**

**Conor Holt**

Oral Presentation

3:30 – 3:50 • LO 0102

Conference Participants Listed by Department

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.



### **Comic Robots in Sci – Fi Films Or I Know What You Did Last Childhood**

**Fernanda deOliveira**

Oral Presentation

2:50 – 3:10 • LO 0102

### **Film 472 Advanced Video Production Client Videos**

**Heather Alvar, Joshua Resch, Benjamin Pimlott**

Oral Presentation

2:30 – 3:30 • LO 0101

### **Lineage: Shooting on Location**

**Joseph Kramer, Tara Kramer**

Oral Presentation

9:50 – 10:10 • Ballroom D

### **Redecorating Film Adaptation: Problems and Possibilities**

**Jesse Balzer**

Oral Presentation

1:40 – 2:00 • LO 0102

### **The Boy with Stumbling Blocks**

**Jessica Zeppelin**

Oral Presentation

1:20 – 1:40 • LO 0102

### **The Extra – Amazing Adventures of Extraman and Extragirl**

**Craig Larson, Mitchell Miller, Nathan Bergeson**

Oral Presentation

2:00 – 2:20 • LO 0102

### **The Media Wargames of Peter Watkins**

**Troy Weets**

Oral Presentation

9:50 – 10:10 • LO 0102

### **The Psychology of Documentary Design**

**Sarah Palm**

Oral Presentation

10:30 – 10:50 • LO 0102

### **The Self in Relation to the Other: Recognizing Artificial Intelligence as Our Equal and as the Divine in Science Fiction Films**

**Simone LeClaire**

Oral Presentation

9:30 – 9:50 • Ballroom D

### **The Unseen: A Senior Seminar Film**

**Kathleen Kretchmer**

Oral Presentation

2:30 – 2:50 • LO 0102

### **The Years – An Exploration of Feminist Film**

**Kristen Conaty, Ivan Clow**

Oral Presentation

1:20 – 2:00 • LO 0101

### **White Science Fiction of America**

**Hotaka Demura**

Oral Presentation

3:10 – 3:30 • LO 0102

### **Analyzing a Synecdoche**

**Nicholas Collins**

Poster/Display 76

9:30 – 10:10 • CMU Basement Hallway

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## **Geoscience**

### **On the Trash Trail**

**Michael Schreifels**

Oral Presentation

10:30–10:50 • Ballroom D

### **Nickel Partitioning**

**Jordana Anderson, Samantha Buhr, Timothy Erickson**

Poster/Display 77

1:00PM – 1:40PM • CMU 2nd Floor Hallway

Conference Participants Listed by Department

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.

**Stratigraphic significance of a fossiliferous shale in the lower part of the Raytown Limestone Member of the Iola Limestone (Upper Pennsylvanian) in eastern Kansas**

Scott Flores, Kyle Wahnoutka, Gerardo Rodriguez, Kaitlyn Nelson  
Poster/Display 79

1:40PM – 2:20PM • CMU 2nd Floor Hallway

**There is More to Panama than the Panama Canal**

Paige Erickson, Margaret Casey  
Poster/Display 78

2:30PM – 3:10PM • CMU 2nd Floor Hallway

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## *History*

**Benito Juarez**

Fidelia Maninga  
Oral Presentation

2:30 – 2:50 • LO 0104

**Hideyoshi Toyotomi – Policy and Politics in the Warring States period.**

Shane Brownell  
Oral Presentation

10:10 – 10:30 • LO 0104

**Hugo Chavez – The rise of a new age dictator**

Dominique Rolando  
Oral Presentation

1:20 – 1:40 • LO 0104

**Judaism in Late Antiquity**

Jose Ledezma  
Oral Presentation

10:30 – 10:50 • LO 0104

**Li Hung – Chang, Sergei Witte and the Chinese Eastern Railway, 1887 – 1900**

Bradley Madsen  
Oral Presentation

2:50 – 3:10 • LO 0104

**Naturschutz: Policy or Excuse? Examining the Environmental Policies of Germany's Nazi Regime.**

Ashley St Sauver  
Oral Presentation

2:00 – 2:20 • LO 0104

**Pancho Villa and the Mexican Revolution**

Jose Ledezma  
Oral Presentation

1:00 – 1:20 • LO 0104

**Role of Women in the Third Reich**

Corinne Edgerton  
Oral Presentation

1:40 – 2:00 • LO 0104

**Spanish Conquistadors: Society Before and After Conquest.**

Jacob Wiczek  
Oral Presentation

9:50 – 10:10 • LO 0104

**The Specter of Intervention: British Foreign Policy Pertaining to the American Civil War**

Eugene Branstiter  
Oral Presentation

3:30 – 3:50 • LO 0101

**“The Surviving Chinese Jewish Community”**

Eric Rothberg  
Oral Presentation

2:30 – 2:50 • CMU 216

**The Virgin of Guadalupe: Syncretic Figure of Mexican Catholicism**

Christina Welgraven  
Oral Presentation

9:30 – 9:50 • LO 0104

**The Social Impact of Chernobyl Disaster**

Avantika Singh, Atukoralage Indiwari Perera  
Oral Presentation

10:10–10:30 • Ballroom D

Conference Participants Listed by Department

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## Health

### Alzheimer's Disease

Jill Marketon, Bobbi Jo Unterseher, Katie Kne, Angela Jetvig

Oral Presentation

10:30 – 10:50 • CMU 214

### Colon Cancer

Kristen Bongard, Sagun Shahi, Lhemi Lama, Jessica Fjeld

Oral Presentation

1:00 – 1:20 • CMU 214

### Disappointing Maternal Death Rates in the United States

Samantha Kunding, Sara Formanek, Lindsey

Michaelson, Heather Morrison

Oral Presentation

9:50 – 10:10 • CMU 214

### Methicillin – Resistant Staphylococcus Aureus in the Fargo – Moorhead Region

Amy Lavalla, Amy Wohlhuter, Brooke

Harris, Kirsten Nies, Amy LaValla

Oral Presentation

9:30 – 9:50 • CMU 214

### Preterm Births in the Scope of Epidemiology

Tiara Bowman, Brittany Sherven, Andrea Wiest

Oral Presentation

10:10 – 10:30 • CMU 214

### Sickle Cell Anemia

Christian Nwabufu, Emmanuel Fohle, Smita

Tandukar, Collins Max Jerry

Oral Presentation

1:20 – 1:40 • CMU 214

### Transition from Childhood to Adulthood for Autistic Individuals

Chiranthana Dissanayake, Kristin Grenz, Tyler

Carson, Adam Kappes, Jordyn Wallenborn

Oral Presentation

1:40 – 2:00 • CMU 214

### Decreasing child mortality in Africa through malaria prevention.

Arati Gurung, Brittany Harris, Aaron Rassat,

Michelle Toren, Fidelia Maninga

Poster/Display #1

9:30 – 10:10 • CMU Basement Hallway

### Anemia

Pragya Devkota, Sunita Thapa, Radha Maharjan

Poster/Display 84

9:30 – 10:10 • CMU Basement Hallway

### Childhood Obesity

Sanju Basnet, Kody Hass, Nabin Dangi, Smita Tankdukur

Poster/Display 83

9:30 – 10:10 • CMU 2nd Floor Hallway

### Childhood Obesity

Karryn Schwab, Shekhar Pandey, Alisha Olson, Courtney Swanson

Oral Presentation

1:00–1:20 • Ballroom D

### HIV/AIDS: The silent threat to humanity.

Margaret Olatunbosun, Durga Rijal,

Christelle Lokenye, Landon Dybdal

Poster/Display 85

10:10AM – 10:50AM • CMU 2nd Floor Hallway

### Obesity in the United States

Sara Meidinger, Isaac Thomas, Carly Helfrich, Kaeley Troyer

Poster/Display 82

1:40PM – 2:20PM • CMU Basement Hallway

Conference Participants Listed by Department

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## **Substance Abuse and Its Effects on the Population: An Epidemiological Approach.**

Carly Kalina, Jenna Peper, Kabina Chaulagain

Poster/Display 81

1:40PM – 2:20PM • CMU 2nd Floor Hallway

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## ***Honors***

### **Honors Apprentices: Service and Challenge**

Janet Aarness, Nick Enger, Dom Rolando, Jessy Belden

Oral Presentation

2:30 – 2:50 • CMU 227

### **Stabilization of Carbon Emissions**

Jessica Belden

Poster/Display 87

1:40PM – 2:20PM • CMU 2nd Floor Hallway

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## ***International Studies***

### **A closer look into the hydroelectricity projects of Nepal**

Bibhusha Karki

Oral Presentation

3:10 – 3:30 • CMU 208

### **Ganga Ma: Revered by millions, polluted by all**

Laren Lamb

Oral Presentation

2:30 – 2:50 • CMU 214

### **NAFTA: Negative effects on Mexico “The positive and negative effects that NAFTA has had on Mexico”.**

Chase Walseth

Oral Presentation

2:00 – 2:20 • CMU 214

### **Nepal's Survival between two Giants(Nepal's foreign policy strategies vis – a – vis India and China)**

Sunil Paudel

Oral Presentation

2:50 – 3:10 • CMU 208

### **The Rights of Indigenous people within the framework of International Organizations and Non – governmental organizations.**

Amanda Zenk

Poster/Display 90

2:30PM – 3:10PM • CMU 2nd Floor Hallway

### **Wine to Water**

Sunil Paudel

Poster/Display 89

3:30PM – 4:10PM • CMU 2nd Floor Hallway

### **Women Rights and Gender Inequality in Afghanistan.**

Richa Upadhyay

Poster/Display 88

3:30PM – 4:10PM • CMU 2nd Floor Hallway

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## ***Mathematics***

### **Conic Sections in the Taxicab Plane**

Alyssa Day, Rachel Thysell

Oral Presentation

10:30 – 10:50 • CMU 207

### **Generating functions, and their relationship to convergent sequences.**

Christopher Mehl

Oral Presentation

9:50 – 10:10 • CMU 207

Conference Participants Listed by Department

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## **Geometric Constructions Using a Straightedge and a Compass**

**Madison Brantner, Melissa Montbriand**

Oral Presentation

10:10 – 10:30 • CMU 207

## **k – Gibonacci Numbers and Permutation Statistics**

**Jonathan Rue**

Oral Presentation

3:10 – 3:50 • CMU 207

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## ***Mass Communications***

### **The Internet and Pedophiles: Are Your Children at Risk?**

**Taunia Tiegs-Marquardt**

Oral Presentation

2:50 – 3:10 • CMU 227

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## ***Marketing***

### **Marketing Electric Bikes in Canada: An overview of the Canadian Market**

**Grant Hagen**

Oral Presentation

3:10 – 3:40 • CMU 227

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## ***Music***

### **Behind the Sound: An Inside Look at Live Audio Production**

**David Kolar**

Oral Presentation

3:10 – 3:20 • LO 0108

### **Duke Ellington: A True Innovator**

**Jordan Christianson**

Oral Presentation

1:40 – 2:00 • LO 0108

### **Fa – So – La: The American Musical Tradition of Sacred Harp**

**Sarah Libby**

Oral Presentation

9:30 – 9:50 • LO 0108

### **Form to Form: Music and Art in the Baroque**

**Cory Sailer**

Oral Presentation

1:00 – 1:20 • LO 0108

### **John Coltrane's quest for a freedom**

**Yuki Harada**

Oral Presentation

1:20 – 1:40 • LO 0108

### **Make a Jazz Noise Here: The Music of Frank Zappa**

**Scott Kendall**

Oral Presentation

10:30 – 10:50 • LO 0108

### **Modern Jazz Bass: Improvisational styles on the double bass**

**Maxfield Johnk**

Oral Presentation

10:10 – 10:30 • LO 0108

### **Music on the Brain**

**James Sandifer**

Oral Presentation

2:00 – 2:20 • LO 0108

### **The New Performer Modern performance in classical music**

**Eric Guttormson**

Oral Presentation

2:30 – 2:50 • LO 0108

Conference Participants Listed by Department

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## **Wagner's Mythology**

**Christopher Tollefson**

Oral Presentation

9:50 – 10:10 • LO 0108

## **What's that Noise?**

**Aaron Thuen**

Oral Presentation

2:50 – 3:10 • LO 0108

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## **Nursing**

### **A Transcultural Nursing Experience in Nicaragua**

**Piper DeLaPointe, Heather Erickson**

Poster/Display 91

9:30 – 10:10 • CMU Basement Hallway

### **Autonomic Dysreflexia: A life threatening medical condition**

**Sanjog Dhungana, Sachin Bhandari**

Poster/Display 92

9:30 – 10:10 • CMU Basement Hallway

### **Cardiovascular Disease**

**Jenna Winter**

Poster/Display 106

9:30 – 10:10 • CMU Main Lounge

### **Care of a Cancer Patient with Pain**

**Amanda Volrath**

Poster/Display 111

9:30 – 10:10 • CMU 2nd Floor Hallway

### **Caring for Patients in a Transcultural Nursing Setting**

**Jacquelyn Munson, Lordes Garcia**

Poster/Display 99

9:30 – 10:10 • CMU 2nd Floor Hallway

### **Caring for the Aging Population in a Rural Community: A Nursing Perspective**

**Kaley Fisk**

Poster/Display 107

9:30 – 10:10 • CMU 2nd Floor Hallway

### **Case study: Antipsychotic Medication Induced Parkinsonism**

**Arkady Millard**

Poster/Display 103

9:30 – 10:10 • CMU 2nd Floor Hallway

### **Common Causes and Treatment for Chest Pain**

**Rachel Carry**

Poster/Display 102

9:30 – 10:10 • CMU 2nd Floor Hallway

### **Community Acquired Methicillin Resistant Staphylococcus aureus.**

**Aron Ellingson**

Poster/Display 97

9:30 – 10:10 • CMU 2nd Floor Hallway

### **Evidence Based Practice in the Management of Acute Alcohol Detoxification**

**Courtney Covey**

Poster/Display 104

10:10AM – 10:50AM • CMU Main Lounge

### **Health Literacy and Oncology Patient Education**

**Ashley Schmidt**

Poster/Display 95

10:10AM – 10:50AM • CMU 2nd Floor Hallway

### **Labor and Delivery Nursing: A Student's Perspective**

**Carmen Parsley**

Poster/Display 112

1:00PM – 1:40PM • CMU Basement Hallway

Conference Participants Listed by Department

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## Medical – Surgical Nursing

Molly Moenkedick

Poster/Display 105

1:00PM – 1:40PM • CMU 2nd Floor Hallway

## Nursing Around the World: One Student's Experience in Guatemala

Alena Deutschlander, Heidi Banick

Poster/Display 98

1:00PM – 1:40PM • CMU 2nd Floor Hallway

## Nursing Care After A Coronary Artery Bypass Graft: Preventing Complications

Aimee Laurencelle

Poster/Display 108

1:00PM – 1:40PM • CMU 2nd Floor Hallway

## Obstetric Nursing

Lindsey Imdieke

Poster/Display 109

1:40PM – 2:20PM • CMU Basement Hallway

## Prevent Deep Vein Thrombosis on a Medical/Surgical Flood

Alicia Saue

Poster/Display 110

1:40PM – 2:20PM • CMU Basement Hallway

## Preventing Post – Surgical Complications

Courtney Conyers

Poster/Display 101

1:40PM – 2:20PM • CMU Main Lounge

## Public Health Nursing in Guatemala

Lourdes Garcia

Poster/Display 100

1:40PM – 2:20PM • CMU Main Lounge

## The effect of prone positioning in patients with Acute Respiratory Distress Syndrome (ARDS).

Molly Breen

Poster/Display 113

2:30PM – 3:10PM • CMU Main Lounge

## Transcultural Nursing in Guatemala

Lindsay Krabbenhoft, Shelby Doris Rossow

Poster/Display 93

3:30PM – 4:10PM • CMU Main Lounge

## Transcultural Nursing in Guatemala

Shelby Rossow, Lindsay Margaret Krabbenhoft

Poster/Display 94

3:30PM – 4:10PM • CMU Main Lounge

## Transcultural Nursing; What I thought I knew, what I learned, and the differences.

Susan Ross

Poster/Display 96

3:30PM – 4:10PM • CMU Main Lounge

## Women's health – human papillomavirus

Tonia Lofgren

Poster/Display 114

3:30PM – 4:10PM • CMU 2nd Floor Hallway

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## Philosophy

### A Critical Analysis of Descartes' Claim that 'Animals are Machines'

Adam Hasbargen

Oral Presentation

9:50 – 10:10 • CMU 216

### Introducing Tibet

Sonam Dekyi

Oral Presentation

9:30 – 9:50 • CMU 216

Conference Participants Listed by Department

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## Physics

### Detecting How Isotope Decay Affects PET/CT Imaging

Kristin Brevik  
Oral Presentation

10:30 – 10:50 • CMU 216

### Modulated Signal Transfer

Benjamin Forsythe  
Oral Presentation

1:00 – 1:20 • CMU 216

### Utilizing Microsoft Kinect Controller for Affordable Robotic Navigation

Steven Ruckdashel  
Oral Presentation

10:10 – 10:30 • CMU 216

### Bragg Scattering and Atomic Force Microscopy

Victoria Honetschlager, Pragalv Karki, Wesley Teo  
Poster/Display 116

9:30 – 10:10 • CMU Main Lounge

### Constructing a Walker Robot

Murshid Saqlain  
Poster/Display 120

10:10AM – 10:50AM • CMU Basement Hallway

### Gaussian Accelerator

Wesley Teo  
Poster/Display 115

10:10AM – 10:50AM • CMU 2nd Floor Hallway

### Magnetic Moment

Alycia Bergeson, DJ Houk, Nicholas Weir  
Poster/Display 118

1:00PM – 1:40PM • CMU Main Lounge

### Magnetic Susceptibility and the Superconducting Transition

Christopher Moore  
Poster/Display 117

1:00PM – 1:40PM • CMU Main Lounge

### Nuclear Magnetic Resonance

Christopher Moore  
Poster/Display 121

1:00PM – 1:40PM • CMU 2nd Floor Hallway

### Recursive Ambiphonic Crosstalk Elimination

Nicholas Weir  
Poster/Display 122

1:40PM – 2:20PM • CMU Main Lounge

### X-ray spectroscopy

Dillon , Ishan Mani Subedi  
Poster/Display 119

3:30PM – 4:10PM • CMU 2nd Floor Hallway

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## Political Science

### Human Security and Societal Security Concerns in Post – Taliban Afghanistan

James Sieben  
Oral Presentation

1:00 – 1:20 • CMU 207



Conference Participants Listed by Department

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## **Millennium Development Goals & Their Impact in Contemporary Africa: Healing the Heart of Darkness, or skirting it?**

**Kyle Evens**

Oral Presentation

1:20 – 1:40 • CMU 207

## **The Internet and International Security**

**Nathan Mack**

Oral Presentation

1:40 – 2:00 • CMU 207

## **The responsibility to protect as an emerging norm of international law**

**Christopher Kettering**

Oral Presentation

2:30 – 2:50 • CMU 207

## **Tribal Governments and the Effects of the U.S. Political System**

**Sarah Butrum**

Oral Presentation

2:50 – 3:10 • CMU 207

## **The IMF and the Third World**

**Dustin Sobolik**

Poster/Display 123

2:30PM – 3:10PM • CMU Main Lounge

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## **Psychology**

### **Post High School Aspirations of American Indian Students**

**Andrea Stenson, Raina Heruth, Jered Pigeon**

Oral Presentation

1:20 – 1:50 • CMU 216

### **Artistic Quality by Beauty and Interestingness**

**Derek Page**

Poster/Display 132

9:30 – 10:10 • CMU Basement Hallway

### **Artistic Quality by Complexity and Type of Emotion.**

**Grant Cameron**

Poster/Display 131

9:30 – 10:10 • CMU Basement Hallway

### **“Getting to Know You: Differing Perceptions of Online verses Face – to – face Self – Disclosures and Satisfaction in College Females”**

**Lexi Heringer**

Poster/Display 130

10:10AM – 10:50AM • CMU 2nd Floor Hallway

### **How you Read to Kids Matters: Efficacy of Specific Techniques in Repeated Read Alouds**

**Christine Hollermann, Lyndsey Roy, Katie Engberg**

Poster/Display 128

1:00PM – 1:40PM • CMU Basement Hallway

### **Liking and Eroticism in Evaluations of the Visual Arts**

**Dylan O’Brien**

Poster/Display 133

1:00PM – 1:40PM • CMU Basement Hallway

### **Media’s Influence on Body Image: An Eye Tracking Study**

**Jennifer Livingood, Jacquelyn Schmidt**

Poster/Display 126

1:00PM – 1:40PM • CMU Main Lounge

### **Music’s Effect on Helping Behavior in Second Life**

**Ethan Dahl, Casey Lloyd**

Poster/Display 124

1:00PM – 1:40PM • CMU 2nd Floor Hallway

### **Shared Sounds and Spellings Affect Explicit and Implicit Memory Tests**

**Farryn Helm, Carole Bracshayko**

Poster/Display 125

1:40PM – 2:20PM • CMU Main Lounge

Conference Participants Listed by Department

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### **Should I Stay or Should I go?: Positive Illusions, Jealousy, and Commitment in Romantic Relationships**

**Lisa Dowers**

Poster/Display 129

1:40PM – 2:20PM • CMU 2nd Floor Hallway

### **Social Referencing During Inauthentic Emotional Situations**

**Jennifer Wenner, Allyson Schann, Natalie Avey**

Poster/Display 127

1:40PM – 2:20PM • CMU 2nd Floor Hallway

### **The Future of Time Perspective**

**Dylan O'Brien**

Poster/Display 134

2:30PM – 3:10PM • CMU Main Lounge

### **The Spanish Immersion Classroom and Beyond: An Investigation of Vocabulary Discrepancies**

**Jessica Remhof**

Poster/Display 136

2:30PM – 3:10PM • CMU 2nd Floor Hallway

### **Virtual Sexual Aggression: The Real Life Correlates of BDSM and Rape Simulations in Second Life**

**Kelsey Johnson**

Poster/Display 135

3:30PM – 4:10PM • CMU Main Lounge

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## ***Speech, Language & Hearing Science***

### **Cochlear Implants**

**Chelsea McCartney**

Poster/Display 137

9:30 – 10:10 • CMU 2nd Floor Hallway

### **Music – Induced Hearing Loss and the Collegiate Musician**

**Maria Lendobeja**

Poster/Display 138

1:00PM – 1:40PM • CMU 2nd Floor Hallway

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## ***Sociology***

### **Importance of Education and Health**

**Brian Kariuki**

Oral Presentation

10:30 – 10:50 • CMU 208

### **It's Like A Stoner's Paradise Man**

**Jennifer Harzke, Lauren Wold**

Oral Presentation

1:20 – 1:40 • CMU 208

### **Relationship of man – made chemicals and human health**

**Neville Lambourne**

Poster/Display

1:00 – 1:40 • CMU 2nd Floor Hallway

### **The Higher Immorality: An In-Depth Socio-Historical Analysis of Journalism in the United States.**

**Suzanne Al – Kayali**

Oral Presentation

9:30 – 9:50 • CMU 208

### **The Over Diagnosis of ADHD**

**Sky Purdin**

Oral Presentation

9:50 – 10:10 • CMU 208

### **The Relationships between Income and Health Insurance**

**Dustin Beachem**

Oral Presentation

10:10 – 10:30 • CMU 208

Conference Participants Listed by Department

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## **Does medical school cause health issues from stress and anxiety during the course of their schooling?**

**Brittany Harris, Ronak Habib**

Poster/Display 140

10:10AM – 10:50AM • CMU Basement Hallway

Does the amount of how much or how little sleep you get affect your health and overall health, more so for woman or men?

**Kayla Abele**

Poster/Display 144

10:10AM – 10:50AM • CMU Basement Hallway

## **Domestic Violence and Health**

**Rachel Johnson**

Poster/Display 150

10:10AM – 10:50AM • CMU Basement Hallway

## **Educational Levels Adverse Affect on Health**

**Chiranthana Dissanayake, Jordyn Wallenborn**

Poster/Display 152

10:10AM – 10:50AM • CMU Basement Hallway

## **Effects of long – term unemployment on nutrition and health.**

**Chris Engelhorn**

Poster/Display 155

10:10AM – 10:50AM • CMU Basement Hallway

## **Government Nutritional Programs: Success of Failure?**

**Glen Marshall**

Poster/Display 148

10:10AM – 10:50AM • CMU 2nd Floor Hallway

## **Happiness for a sound mind**

**Arati Gurung**

Poster/Display 147

10:10AM – 10:50AM • CMU 2nd Floor Hallway

## **Health Among the Homeless**

**Karryn Schwab**

Poster/Display 143

10:10AM – 10:50AM • CMU 2nd Floor Hallway

## **Heath Insurance Coverage and Overall Health**

**Wendy LeBrun**

Poster/Display 151

10:10AM – 10:50AM • CMU 2nd Floor Hallway

## **How does religion, alcohol consumption, and socioeconomic status, affect the overall health of older adults?**

**Rebecca Scott**

Poster/Display 156

10:10AM – 10:50AM • CMU 2nd Floor Hallway

## **How the Belief Involving Prozac Affects Health**

**Chelsea Schmaltz**

Poster/Display 154

10:10AM – 10:50AM • CMU 2nd Floor Hallway

## **Television's Impact on Health**

**Kristen Bongard, Erin Durken**

Poster/Display 142

2:30PM – 3:10PM • CMU Main Lounge

## **The Effect of Internet Use on Health**

**Briana Magrum**

Poster/Display 149

2:30PM – 3:10PM • CMU Main Lounge

## **The Influence of Alcohol Use on Health**

**Jenna Peper**

Poster/Display 145

2:30PM – 3:10PM • CMU Main Lounge

## **The Relationship Between Poverty, Social Class, and Overall Health**

**Amy Thorson, Shannon Grossman**

Poster/Display 139

2:30PM – 3:10PM • CMU Main Lounge

## **The Relationship between the number of hours of Television watched and one's Health**

**Kristen Bongard, Erin Durken**

Poster/Display 141

2:30PM – 3:10PM • CMU Main Lounge

Conference Participants Listed by Department

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## **The Relationship with Smoking and your Health**

Cynthia Marier

Poster/Display 146

2:30PM – 3:10PM • CMU 2nd Floor Hallway

## **Water contamination and health**

Samuel Getty

Poster/Display 153

3:30PM – 4:10PM • CMU Main Lounge

## **Los Pazos de Ulloa and the Naturalism Movement in Spain**

Kelsey Indergaard

Oral Presentation

1:50 – 2:10 • CMU 216

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## ***Theatre Arts***

### **Fundamentals of Play Directing**

Alexander Holmquist

Oral Presentation

2:30 – 2:50 • Ballroom D

### **Shakespeare's The Merry Wives of Windsor: Adapting Shakespeare for Contemporary Audiences**

Maggie Olson

Oral Presentation

2:10 – 2:30 • CMU 216

## **STOP KISS**

Carl Rottman, John Varvin, Cheyne King, Ryan Soukup, Cortney Schmidkunz, Kimberly Miller, Sarah Chamma, Heidi Riffle, Meagan Kedrowski, Carielle Henry, Amber Bracken, Parker Shook, Cheyne King, Dustin Beck, Kelly Nelson

Performance

9:30 – 11:30 • Glasrud Auditorium in Weld Hall

NOTE: Performance may run over 90 minutes"

## **The Musical of Musicals**

Tariq Muwahid, Klarissa Pudwill, Tierney Michon, Sarah Dewhirst, Nicholas Kaspari, Matthew Englund, Caroline Stommes, Nikko Raymo, Holli Richgels, Chandler Cline, James Stenger, Sara Hysjulien, Heidi Riffle, Meagan Kedrowski, William Schnase, Dustin Beck

Performance and Talkback

2:30–4:40 • Gaede Theatre

## **IF YOU GIVE A MOUSE A COOKIE**

John Vavrin, Cheyne King, Ryan Soukup, Cortney Schmidkunz, Erin Granger

1:00–1:45 • Glasrud Auditorium in Weld Hall

Conference Participants Listed by Department

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# STUDENT ACADEMIC CONFERENCE DIRECTORY

**Aarness, Janet**

*Honors Apprentices: Service and Challenge*

**HON—Honors**

Oral Presentation

2:30 - 2:50 • CMU 227

**Abele, Kayla**

*Does the amount of how much or how little sleep you get affect your health and overall health, more so for woman or men?*

**SOC—Sociology**

Poster/Display #144

10:10–10:50 • CMU Basement Hallway

**Adhikari, Anup**

*Supercross Track*

**CM—Construction Management**

Poster/Display #71

1:40–2:20 • CMU 2nd Floor Hallway

**Aitken, Athena**

*Hands-on cultural learning; the story of a birch bark lodge*

**ANTH—Anthropology**

Poster/Display #8

10:10–10:50 • CMU 2nd Floor Hallway

**Aleem, Sara**

*In Silico Analysis and Molecular Dissection of the PPK:PKR Interaction*

**BIOL—Biology**

Poster/Display #28

1:00–1:40 • CMU Basement Hallway

**Al-Kayali, Suzanne**

*The Higher Immorality: An In-Depth Socio-Historical Analysis of Journalism in the United States.*

**SOC—Sociology**

Oral Presentation

9:30–9:50 • CMU 208

**Alsum, Ashley**

*"The Unseen"*

**FILM—Film Studies**

Oral Presentation

1:00 - 1:20 • LO 0102

**Alvar, Heather**

*Film 472 Advanced Video Production Client Videos*

**FILM—Film Studies**

Oral Presentation

2:30–3:30 • LO 0101

**Anderson, Jordana**

*Nickel Partitioning*

**GEOS—Geoscience**

Poster/Display #77

1:00–1:40 • CMU 2nd Floor Hallway

**Anderson, Kristina**

*Investigation of calcineurin B homologous protein isoform 2 regulation of Na<sup>+</sup>/H<sup>+</sup> exchanger. A potential novel therapeutic target to treat non-small cell lung cancer.*

**CHEM—Chemistry**

Oral Presentation

1:20–1:40 • Ballroom D

**Anderson, Kristina**

*Investigation of calcineurin B homologous protein isoform 2 regulation of Na<sup>+</sup>/H<sup>+</sup> exchanger. A potential novel therapeutic target to treat non-small cell lung cancer.*

**CHEM—Chemistry**

Poster /Display #161

9:30 - 10:10 • CMU Basement Hallway

**Arneson, Nathaniel Jacob**

*Exploration of the relationship between the Cassava plant to the Taino people of the Greater Antilles.*

**BIOL—Biology**

Poster/Display #27

10:10–10:50 • CMU Main Lounge

**Ato-Davies, Aaron**

*Increased Sales in the Fourth Quarter: How Wal-Mart's Sales Impact the Retail Industry*

**ECON—Economics**

Oral Presentation

2:50–3:10 • • Ballroom A



# Conference Participants Listed Alphabetically by Last Name

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Student Academic Conference website for the most up-to-date information.

## Avey, Natalie

*Social Referencing During Inauthentic  
Emotional Situations*

### PSY—Psychology

Poster/Display #127

1:40–2:20 • CMU 2nd Floor Hallway

## Balzer, Jesse

*Redecorating Film Adaptation:  
Problems and Possibilities*

### FILM—Film Studies

Oral Presentation

1:40 - 2:00 • LO 0102

## Banick, Heidi

*Nursing Around the World: One Student's  
Experience in Guatemala*

### NURS—Nursing

Poster/Display #98

1:00–1:40 • CMU 2nd Floor Hallway

## Banla, Ismael

*Synthesis of a new Cyanoborane polymer  
with a trigonal planar boron.*

### CHEM—Chemistry

Poster/Display #56

1:40–2:20 • CMU 2nd Floor Hallway

## Banla, Ismael

*High-yield synthesis of the semicarbazide  
adduct of cyanoborane*

### CHEM—Chemistry

Poster/Display #55

10:10–10:50 • CMU 2nd Floor Hallway

## Basnet, Sanju

*Childhood Obesity*

### HLTH—Health

Poster/Display #83

9:30–10:10 • CMU 2nd Floor Hallway

## Baysinger, Katie

*Investigations of biochemical and molecular  
mechanisms of systemic acquired  
resistance in Cucumis sativus*

### BIOL—Biology

Poster/Display #30

1:00–1:40 • CMU Basement Hallway

## Beachem, Dustin

*The Relationships between Income  
and Health Insurance*

### SOC—Sociology

Oral Presentation

10:10–10:30 • CMU 208

## Beck, Jase

*Farming Techniques in Costa Rica vs. United States*

### BIOL—Biology

Oral Presentation

2:30–2:50 • CMU 205

## Beck, Dustin

*STOP KISS*

### THTR—Theatre Arts

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

NOTE: Performance may run over 90 minutes

## Beck, Dustin

*The Musical of Musicals*

### THTR—Theatre Arts

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Beers, Brittany

*The affects of exotic earthworms on Big  
Bluestem, Andropogon gerardii, prairie plants*

### BIOL—Biology

Poster/Display #36

2:30–3:10 • CMU Main Lounge

## Belavina, Natalia

*Investigations of biochemical and molecular  
mechanisms of systemic acquired  
resistance in Cucumis sativus*

### BIOL—Biology

Poster/Display #30

1:00–1:40 • CMU Basement Hallway

## Belden, Jessica

*Stabilization of Carbon Emissions*

### HON—Honors

Poster/Display #87

1:40–2:20 • CMU 2nd Floor Hallway

## Belden, Jessy

*Honors Apprentices: Service and Challenge*

### HON—Honors

Oral Presentation

2:30–2:50 • CMU 227

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**Bell, John**

*Noodles And Company*

**CM—Construction Management**

Poster/Display #72

1:00–1:40 • CMU 2nd Floor Hallway

**Berger, Allison**

*Living Learning Communitites and retention rate.*

**CMST—Communication Studies**

Oral Presentation

2:00–2:20 • CMU 227

**Bergeson, Alycia**

*Magnetic Moment*

**PHYS—Physics**

Poster/Display #118

1:00–1:40 • CMU Main Lounge

**Bergeson, Nathan**

*The Extra-Amazing Adventures of  
Extraman and Extragirl*

**FILM—Film Studies**

Oral Presentation

2:00–2:20 • LO 0102

**Berthelsen, Nicholas**

*Measuring NHE activity with fluorescence microscopy.*

**CHEM—Chemistry**

Poster/Display #67

1:00–1:40 • CMU Main Lounge

**Bhandari, Sachin**

*Autonomic Dysreflexia: A life  
threatening medical condition*

**NURS—Nursing**

Poster/Display #92

9:30–10:10 • CMU Basement Hallway

**Blake, Kyle**

*Toward a Sustainable Textbook Future - The  
Free, Open, and Digital Revolution*

**ECON—Economics**

Oral Presentation

9:30–9:50 • Ballrom A

**Boatey, Daisy**

*Lyme Disease Prevalence in South-  
Eastern North Dakota*

**BIOL—Biology**

Poster/Display #43

1:00–1:40 • CMU Basement Hallway

**Boecker, Tiffany**

*How to Make and Use a Pin Hole Camera*

**ART—Art and Design**

Table Display #12

10:10–10:50 • CMU 2nd Floor Hallway

**Bomstad, Derek**

*Capstone Experience- BDM Constructors*

**CM—Construction Management**

Poster/Display #70

9:30–10:10 • CMU Main Lounge

**Bongard, Kristen**

*Colon Cancer*

**HLTH—Health**

Oral Presentation

1:00–1:20 • CMU 214

**Bongard, Kristen**

*Television's Impact on Health*

**SOC—Sociology**

Poster/Display #142

2:30–3:10 • CMU Main Lounge

**Bongard, Kristen**

*The Relationship between the number of hours  
of Television watched and one's Health*

**SOC—Sociology**

Poster/Display #141

2:30–3:10 • CMU Main Lounge

**Borgh, Addie**

*Just Do It: Nike's Takeover of Sports  
Design and Marketing*

**ART—Art and Design**

Oral Presentation

1:00–2:20 • CMU 203

**Borgen, James**

*Living Learning Communitites and retention rate.*

**CMST—Communication Studies**

Oral Presentation

2:00–2:20 • CMU 227

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## **Bottrell, Joseph**

*In-Kind Transfers of Payment*

**ECON—Economics**

Oral Presentation

10:30–10:50 • Ballrom B

## **Bowman, Tiara**

*Preterm Births in the Scope of Epidemiology*

**HLTH—Health**

Oral Presentation

10:10–10:30 • CMU 214

## **Bracken, Amber**

*STOP KISS*

**THTR—Theatre Arts**

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## **Bracshayko, Carole**

*Shared Sounds and Spellings Affect*

*Explicit and Implicit Memory Tests*

**PSY—Psychology**

Poster/Display #125

1:40–2:20 • CMU Main Lounge

## **Brammer, Adam**

*CM496 Downtown Moorhead Project*

**CM—Construction Management**

Poster/Display #68

9:30–10:10 • CMU 2nd Floor Hallway

## **Branch, Michelle**

*Copper(II) Complexes of Pyridine-2,6-bisamide Ligands*

**CHEM—Chemistry**

Poster/Display #54

10:10–10:50 • CMU Basement Hallway

## **Brandenburger, Amber**

*Vocal Cord Disorder: The Mistaken Wheeze*

**AT—Athletic Training**

Poster/Display #20

3:30–4:10 • CMU Main Lounge

## **Branstiter, Eugene**

*The Specter of Intervention: British Foreign*

*Policy Pertaining to the American Civil War*

**HIST—History**

Oral Presentation

3:30–3:50 • LO 0101

## **Brantner, Madison**

*Geometric Constructions Using a*

*Straightedge and a Compass*

**MATH—Mathematics**

Oral Presentation

10:10–10:30 • CMU 207

## **Breen, Molly**

*The effect of prone positioning in patients with*

*Acute Respiratory Distress Syndrome (ARDS).*

**NURS—Nursing**

Poster/Display #113

2:30–3:10 • CMU Main Lounge

## **Brevik, Kristin**

*Detecting How Isotope Decay Affects PET/CT Imaging*

**PHYS—Physics**

Oral Presentation

10:30–10:50 • CMU 216

## **Brokmeier, Nicole D.**

*A Decade of Painted Turtle Ecology in Clay*

*County, Minnesota What Have We Learned?*

**BIOL—Biology**

Poster/Display #35

9:30–10:10 • CMU Basement Hallway

## **Bronczyk, Corey**

*Construction Management Capstone*

*Experience - Multi-unit housing development*

**CM—Construction Management**

Oral Presentation

3:30–3:50 • CMU 207

## **Brownell, Shane**

*Hideyoshi Toyotomi - Policy and Politics*

*in the Warring States period.*

**HIST—History**

Oral Presentation

10:10–10:30 • LO 0104

## **Buhr, Samantha**

*Nickel Partitioning*

**GEOS—Geoscience**

Poster/Display #77

1:00–1:40 • CMU 2nd Floor Hallway

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## **Bullock, Kiesha**

*Conjugate Addition of Malononitrile  
to Unsaturated Carbonyls*

**CHEM—Chemistry**

Poster/Display #59

9:30–10:10 • CMU 2nd Floor Hallway

## **Burke, Traci**

*Fashion Through The Lens*

**ART—Art and Design**

Oral Presentation

9:50–10:10 • CMU 203

## **Burris, Lewis**

*Earth Art of the 1960s and 70s*

**ART—Art and Design**

Oral Presentation

1:00–2:20 • CMU 203

## **Butrum, Sarah**

*Tribal Governments and the Effects  
of the U.S. Political System*

**POL—Political Science**

Oral Presentation

2:50–3:10 • CMU 207

## **Bye, David**

*Does Piagetian Cognitive Ability Level Affect  
Student Ability To Accurately Perceive And  
Interpret Environmental Threats?*

**CHEM—Chemistry**

Oral Presentation

9:30–9:50 • CMU 207

## **Cain, Kelsey**

*Early Photographic Process: Van Dyke Brown.*

**ART—Art and Design**

Poster/Display #15

10:10–10:50 • CMU Basement Hallway

## **Cameron, Grant**

*Artistic Quality by Complexity and Type of Emotion.*

**PSY—Psychology**

Poster/Display #131

9:30–10:10 • CMU Basement Hallway

## **Carry, Rachel**

*Common Causes and Treatment for Chest Pain*

**NURS—Nursing**

Poster/Display #102

9:30–10:10 • CMU 2nd Floor Hallway

## **Carson, Tyler**

*Transition from Childhood to Adulthood  
for Autistic Individuals*

**HLTH—Health**

Oral Presentation

1:40–2:00 • CMU 214

## **Casey, Margaret**

*There is More to Panama than the Panama Canal*

**GEOS—Geoscience**

Poster/Display #78

2:30–3:10 • CMU 2nd Floor Hallway

## **Castonguay, Ashley**

*Designer Babies*

**CCGE—Corrick Center for General Education**

Debate

2:50–3:20 • CMU 205

## **Chamma, Sarah**

*STOP KISS*

**THTR—Theatre Arts**

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## **Chaulagain, Kabina**

*Substance Abuse and Its Effects on the  
Population: An Epidemiological Approach.*

**HLTH—Health**

Poster/Display #81

1:40–2:20 • CMU 2nd Floor Hallway

## **Chitemere, Ruvimbo**

*A Novel Method to Generate IR Spectra  
of Solutes in Solution State*

**CHEM—Chemistry**

Poster/Display #53

9:30–10:10 • CMU Basement Hallway

## **Christenson, Jacob**

*The Direction of Interactive Design*

**ART—Art and Design**

Oral Presentation

1:00–2:20 • CMU 203



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## Christenson, Jacob

*Graphic Design and the proper way to layout a poster*

**ART—Art and Design**

Poster/Display #13

10:10–10:50 • CMU 2nd Floor Hallway

## Christianson, Jordan

*Duke Ellington: A True Innovator*

**MUS—Music**

Oral Presentation

1:40–2:00 • LO 0108

## Clawson, Jenna

*Fort “Desolation” ND: Mortuary Analysis and Culture*

**ANTH—Anthropology**

Poster/Display #5

10:10–10:50 • CMU Main Lounge

## Cline, Chandler

*The Musical of Musicals*

**THTR—Theatre Arts**

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Clow, Ivan

*The Years- An Exploration of Feminist Film*

**FILM—Film Studies**

Oral Presentation

1:20–2:00 • LO 0101

## Collins, Nicholas

*Analyzing a Synecdoche*

**FILM—Film Studies**

Poster/Display #76

9:30–10:10 • CMU Basement Hallway

## Conaty, Kristen

*The Years- An Exploration of Feminist Film*

**FILM—Film Studies**

Oral Presentation

1:20–2:00 • LO 0101

## Conyers, Courtney

*Preventing Post-Surgical Complications*

**NURS—Nursing**

Poster/Display #101

1:40–2:20 • CMU Main Lounge

## Cork, Kathrine

*Volunteering: All Paws Down*

**CMST—Communication Studies**

Oral Presentation

1:00–1:20 • CMU 227

## Covey, Courtney

*Evidence Based Practice in the Management  
of Acute Alcohol Detoxification*

**NURS—Nursing**

Poster/Display #104

10:10–10:50 • CMU Main Lounge

## Dahl, Ethan

*Music’s Effect on Helping Behavior in Second Life*

**PSY—Psychology**

Poster/Display #124

1:00–1:40 • CMU 2nd Floor Hallway

## Dahlen, Tony

*Discovering Bangladesh: Halfway Around The World*

**CMST—Communication Studies**

Oral Presentation

9:30–9:50 • CMU 227

## Dahlquist, Julian

*The Unknown Work of Vivian Maier*

**ART—Art and Design**

Poster/Display #16

2:30–3:10 • CMU 2nd Floor Hallway

## David, Jacinta

*Farming Techniques in Costa Rica vs. United States*

**BIOL—Biology**

Oral Presentation

2:30–2:50 • CMU 205

## Day, Ashleigh

*EM Survey at Historic Moorhead Site*

**ANTH—Anthropology**

Poster/Display #6

10:10–10:50 • CMU Basement Hallway

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**Day, Alyssa**

*Conic Sections in the Taxicab Plane*

**MATH—Mathematics**

Oral Presentation

10:30–10:50 • CMU 207

**Dekyi, Sonam**

*Introducing Tibet*

**PHIL—Philosophy**

Oral Presentation

9:30–9:50 • CMU 216

**DeLaPointe, Piper**

*A Transcultural Nursing Experience in Nicaragua*

**NURS—Nursing**

Poster/Display #91

9:30–10:10 • CMU Basement Hallway

**Demura, Hotaka**

*White Science Fiction of America*

**FILM—Film Studies**

Oral Presentation

3:10–3:30 • LO 0102

**Dangi, Nabin**

*Childhood Obesity*

**HLTH—Health**

Poster/Display #83

9:30–10:10 • CMU 2nd Floor Hallway

**deOliveira, Fernanda**

*Comic Robots in Sci-Fi Films Or I Know*

*What You Did Last Childhood*

**FILM—Film Studies**

Oral Presentation

2:50–3:10 • LO 0102

**Deutschlander, Alena**

*Nursing Around the World: One Student's*

*Experience in Guatemala*

**NURS—Nursing**

Poster/Display #98

1:00–1:40 • CMU 2nd Floor Hallway

**Devkota, Pragya**

*Anemia*

**HLTH—Health**

Poster/Display #84

9:30–10:10 • CMU Basement Hallway

**Dewhirst, Sarah**

*The Musical of Musicals*

**THTR—Theatre Arts**

Performance and Talkback

2:30–4:30 • Gaede Theatre

**Dhungana, Sanjog**

*Autonomic Dysreflexia: A life*

*threatening medical condition*

**NURS—Nursing**

Poster/Display #92

9:30–10:10 • CMU Basement Hallway

**Dissanayake, Chiranthana**

*Transition from Childhood to Adulthood*

*for Autistic Individuals*

**HLTH—Health**

Oral Presentation

1:40–2:00 • CMU 214

**Dissanayake, Chiranthana**

*Educational Levels Adverse Affect on Health*

**SOC—Sociology**

Poster/Display #152

10:10–10:50 • CMU Basement Hallway

**Dornbusch, Andrew**

*The significance of the RSK and ROCK*

*phosphorylation sites of NHE1 and their role*

*in the regulation of cellular migration*

**BIOL—Biology**

Poster/Display #45

2:30–3:10 • CMU 2nd Floor Hallway

**Dowers, Lisa**

*Should I Stay or Should I go?: Positive Illusions,*

*Jealousy, and Commitment in Romantic Relationships*

**PSY—Psychology**

Poster/Display #129

1:40–2:20 • CMU 2nd Floor Hallway

**Downs, Dillon**

*Gaussian Accelerator*

**PHYS—Physics**

Poster/Display #115

10:10–10:50 • CMU 2nd Floor Hallway

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**Downs, Dillon**

*X-ray spectroscopy*

**PHYS—Physics**

Poster/Display #119

3:30–4:10 • CMU 2nd Floor Hallway

**Dugger, Dana**

*Bacillus*

**BIOL—Biology**

Poster/Display #47

9:30–10:10 • CMU Basement Hallway

**Durken, Erin**

*Television's Impact on Health*

**SOC—Sociology**

Poster/Display #142

2:30–3:10 • CMU Main Lounge

**Durken, Erin**

*The Relationship between the number of hours  
of Television watched and one's Health*

**SOC—Sociology**

Poster/Display #141

2:30–3:10 • CMU Main Lounge

**Dusoruth, Vaneesha**

*Refugees, Opportunities, and Fargo:  
An Economic Relationship*

**ECON—Economics**

Oral Presentation

1:40–2:00 • Ballrom A

**Dybdal, Landon**

*HIV/AIDS: The silent threat to humanity.*

**HLTH—Health**

Poster/Display #85

10:10–10:50 • CMU 2nd Floor Hallway

**Eden, Robert**

*Determinants of the Price of Smartphones*

**ECON—Economics**

Oral Presentation

10:30–10:50 • Ballrom A

**Edgerton, Corinne**

*Role of Women in the Third Reich*

**HIST—History**

Oral Presentation

1:40–2:00 • LO 0104

**Ehrlich, Kimberly**

*The Undeclared Student: Exploration and Strategies*

**ENGL—English**

Oral Presentation

2:50–3:10 • CMU 101

**Eichhorn, Tara**

*Do trematode cercariae, Ornithodiplostomum  
ptychocheilus, employ inclusive fitness by acting  
as a food source for their intermediate host  
fathead minnow, Pimephales promelas?*

**BIOL—Biology**

Oral Presentation

10:10–10:30 • CMU 205

**Eichhorn, Tara**

*Effect of order of stimulus presentation on  
releaser-induced recognition learning*

**BIOL—Biology**

Oral Presentation

10:30–10:50 • CMU 205

**Ellingson, Aron**

*Community Acquired Methicillin  
Resistant Staphylococcus aureus.*

**NURS—Nursing**

Poster/Display #97

9:30–10:10 • CMU 2nd Floor Hallway

**Engberg, Katie**

*How you Read to Kids Matters: Efficacy of  
Specific Techniques in Repeated Read Alouds*

**PSY—Psychology**

Poster/Display #128

1:00–1:40 • CMU Basement Hallway

**Engelhorn, Chris**

*Effects of long-term unemployment  
on nutrition and health.*

**SOC—Sociology**

Poster/Display #155

10:10–10:50 • CMU Basement Hallway

**Enger, Nick**

*Honors Apprentices: Service and Challenge*

**HON—Honors**

Oral Presentation

2:30–2:50 • CMU 227

# Conference Participants Listed Alphabetically by Last Name

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Student Academic Conference website for the most up-to-date information.

## Englund, Matthew

*The Musical of Musicals*

**THTR—Theatre Arts**

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Erickson, Timothy

*Nickel Partitioning*

**GEOS—Geoscience**

Poster/Display #77

1:00–1:40 • CMU 2nd Floor Hallway

## Erickson, Paige

*There is More to Panama than the Panama Canal*

**GEOS—Geoscience**

Poster/Display #78

2:30–3:10 • CMU 2nd Floor Hallway

## Erickson, Anthony

*CM496 Downtown Moorhead Project*

**CM—Construction Management**

Poster/Display #68

9:30–10:10 • CMU 2nd Floor Hallway

## Erickson, Heather

*A Transcultural Nursing Experience in Nicaragua*

**NURS—Nursing**

Poster/Display #91

9:30–10:10 • CMU Basement Hallway

## Ertl, Grant

*A Postmodern Pyramid: The Rhetoric  
in Radiohead's Pyramid Song*

**CMST—Communication Studies**

Oral Presentation

9:50–10:10 • CMU 227

## Eslinger, Phillip

*Noodles And Company*

**CM—Construction Management**

Poster/Display #72

1:00–1:40 • CMU 2nd Floor Hallway

## Evens, Kyle

*Millennium Development Goals & Their  
Impact in Contemporary Africa: Healing  
the Heart of Darkness, or skirting it?*

**POL—Political Science**

Oral Presentation

1:20–1:40 • CMU 207

## Fay, Amanda

*Does Piagetian Cognitive Ability Level Affect  
Student Ability To Accurately Perceive And  
Interpret Environmental Threats?*

**CHEM—Chemistry**

Oral Presentation

9:30–9:50 • CMU 207

## Filas, Justin

*Sub-Zero Contractor's Recreational Renovation*

**CM—Construction Management**

Poster/Display #69

1:40–2:20 • CMU 2nd Floor Hallway

## Fisk, Kaley

*Caring for the Aging Population in a Rural  
Community: A Nursing Perspective*

**NURS—Nursing**

Poster/Display #107

9:30–10:10 • CMU 2nd Floor Hallway

## Fjeld, Jessica

*Colon Cancer*

**HLTH—Health**

Oral Presentation

1:00–1:20 • CMU 214

## Flores, Scott

*Stratigraphic significance of a fossiliferous  
shale in the lower part of the Raytown  
Limestone Member of the Iola Limestone  
(Upper Pennsylvanian) in eastern Kansas*

**GEOS—Geoscience**

Poster/Display #79

1:40–2:20 • CMU 2nd Floor Hallway

## Flores Gallardo, Pedro

*Conjugate Additions to Unsaturated Carbonyls*

**CHEM—Chemistry**

Poster/Display #61

10:10–10:50 • CMU Basement Hallway

## Fohle, Emmanuel

*Sickle Cell Anemia*

**HLTH—Health**

Oral Presentation

1:20–1:40 • CMU 214



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Student Academic Conference website for the most up-to-date information.

## Fohle, Emmanuel

*Preliminary genetic analysis of Lasioglossum (Dialictus) spp. (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.*

### BIOL—Biology

Poster/Display #26

1:40–2:20 • CMU Basement Hallway

## Fokuo, Gifty

*Synthesis and Characterization of a Dye-Sensitizer*

### CHEM—Chemistry

Poster/Display #52

1:40–2:20 • CMU 2nd Floor Hallway

## Formanek, Sara

*Disappointing Maternal Death Rates in the United States*

### HLTH—Health

Oral Presentation

9:50–10:10 • CMU 214

## Forsythe, Benjamin

*Modulated Signal Transfer*

### PHYS—Physics

Oral Presentation

1:00–1:20 • CMU 216

## Franklin, Bryan

*Capstone Experience- BDM Constructors*  
**CM—Construction Management**

Poster/Display #70

9:30–10:10 • CMU Main Lounge

## Frink, Hannah

*Chasing Lincoln's Killer*

### ENGL—English

Poster/Display #75

9:30–10:10 • CMU 2nd Floor Hallway

## Fritel, Kim

*Parental teaching by fish biparental*

### BIOL—Biology

Poster/Display #39

1:40–2:20 • CMU Basement Hallway

## Fritel, Kim

*Bi-Parental Teaching by Fish*

### BIOL—Biology

Poster/Display #41

9:30–10:10 • CMU Main Lounge

## Funk, Kaitlyn

*Copper(II) Complexes of Pyridine-2,6-bisamide Ligands*

### CHEM—Chemistry

Poster/Display #54

10:10–10:50 • CMU Basement Hallway

## Gamelin, Vanessa

*Petrichor Images: Vanessa Gamelin Photography*

### ART—Art and Design

Poster/Display #17

1:40–2:20 • CMU Basement Hallway

## Garcia, Lourdes

*Public Health Nursing in Guatemala*

### NURS—Nursing

Poster/Display #100

1:40–2:20 • CMU Main Lounge

## Garcia, Lourdes

*Caring for Patients in a Transcultural Nursing Setting*

### NURS—Nursing

Poster/Display #99

9:30–10:10 • CMU 2nd Floor Hallway

## Gebreselassie, Etsehiwot

*A Novel Method to Generate IR Spectra of Solutes in Solution State*

### CHEM—Chemistry

Poster/Display #53

9:30–10:10 • CMU Basement Hallway

## Geissler, Erin

*Investigations of biochemical and molecular mechanisms of systemic acquired resistance in Cucumis sativus*

### BIOL—Biology

Poster/Display #30

1:00–1:40 • CMU Basement Hallway

## George, Thomas

*"How to Prevent Internal Fraud"*

### ACCT—Accounting

Poster/Display #3

1:00–1:40 • CMU Basement Hallway

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## Getty, Samuel

*Water contamination and health*

**SOC—Sociology**

Poster/Display #153

3:30–4:10 • CMU Main Lounge

## Goerke, John

*How Atheists Can Get Into Heaven: Christopher Hitchens and the Catholic Church*

**ENGL—English**

Oral Presentation

3:10–3:40 • CMU 101

## Goldberg, Allison

*Toward a Sustainable Textbook Future - The Free, Open, and Digital Revolution*

**ECON—Economics**

Oral Presentation

9:30–9:50 • Ballroom A

## Granger, Erin

*IF YOU GIVE A MOUSE A COOKIE*

**THTR—Theatre Arts**

Theatre Performance

1:00–1:45 • Glasrud Auditorium in Weld Hall

## Gray, Ariel

*Does population carrying capacity in protists scale exponentially with temperature?*

**BIOL—Biology**

Poster/Display #31

10:10–10:50 • CMU Basement Hallway

## Grenz, Kristin

*Transition from Childhood to Adulthood for Autistic Individuals*

**HLTH—Health**

Oral Presentation

1:40–2:00 • CMU 214

## Grossman, Shannon

*The Relationship Between Poverty, Social Class, and Overall Health*

**SOC—Sociology**

Poster/Display #139

2:30–3:10 • CMU Main Lounge

## Gurung, Arati

*Happiness for a sound mind*

**SOC—Sociology**

Poster/Display #147

10:10–10:50 • CMU 2nd Floor Hallway

## Gurung, Arati

*Decreasing child mortality in Africa through malaria prevention.*

**HLTH—Health**

Poster/Display #1

9:30–10:10 • CMU Basement Hallway

## Gutierrez, Rubi

*The Role of NHE1 Transmembrane Protein in Stress Fiber Formation*

**CHEM—Chemistry**

Poster/Display #66

2:30–3:10 • CMU 2nd Floor Hallway

## Guttormson, Eric

*The New Performer Modern performance in classical music*

**MUS—Music**

Oral Presentation

2:30–2:50 • LO 0108

## Habib, Ronak

*Does medical school cause health issues from stress and anxiety during the course of their schooling?*

**SOC—Sociology**

Poster/Display #140

10:10–10:50 • CMU Basement Hallway

## Hagen, Grant

*Marketing Electric Bikes in Canada: An overview of the Canadian Market*

**MKTG—Marketing**

Oral Presentation

3:10–3:40 • CMU 227

## Hajicek, Alexander

*“How to Prevent Internal Fraud”*

**ACCT—Accounting**

Poster/Display #3

1:00–1:40 • CMU Basement Hallway

## Ham, Kelly

*Sub-Zero Contractor's Recreational Renovation*

**CM—Construction Management**

Poster/Display #69

1:40–2:20 • CMU 2nd Floor Hallway

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## Hamness, Katie

*Graphic Design and the proper way to layout a poster*

**ART—Art and Design**

Poster/Display #13

10:10–10:50 • CMU 2nd Floor Hallway

## Hansen, Katelin

*Volunteering: All Paws Down*

**CMST—Communication Studies**

Oral Presentation

1:00–1:20 • CMU 227

## Harada, Yuki

*John Coltrane's quest for a freedom*

**MUS—Music**

Oral Presentation

1:20–1:40 • LO 0108

## Harris, Brittany

*Does medical school cause health issues from stress and anxiety during the course of their schooling?*

**SOC—Sociology**

Poster/Display #140

10:10–10:50 • CMU Basement Hallway

## Harris, Larissa

*Fort “Desolation” ND: Mortuary Analysis and Culture*

**ANTH—Anthropology**

Poster/Display #5

10:10–10:50 • CMU Main Lounge

## Harris, Brooke

*Methicillin-Resistant Staphylococcus Aureus in the Fargo-Moorhead Region*

**HLTH—Health**

Oral Presentation

9:30–9:50 • CMU 214

## Harris, Brittany

*Decreasing child mortality in Africa through malaria prevention.*

**HLTH—Health**

Poster/Display #1

9:30–10:10 • CMU Basement Hallway

## Harzke, Jennifer

*It's Like A Stoner's Paradise Man*

**SOC—Sociology**

Oral Presentation

1:20–1:40 • CMU 208

## Hasbargen, Adam

*A Critical Analysis of Descartes' Claim that 'Animals are Machines'*

**PHIL—Philosophy**

Oral Presentation

9:50–10:10 • CMU 216

## Hass, Kody

*Childhood Obesity*

**HLTH—Health**

Poster/Display #83

9:30–10:10 • CMU 2nd Floor Hallway

## Hauer, Feba

*A Test For Phenotypic Plasticity in the Ontogeny of Two Species of Cichlids*

**BIOL—Biology**

Poster/Display #40

9:30–10:10 • CMU Basement Hallway

## Helfrich, Carly

*Obesity in the United States*

**HLTH—Health**

Poster/Display #82

1:40–2:20 • CMU Basement Hallway

## Helm, Farryn

*Shared Sounds and Spellings Affect Explicit and Implicit Memory Tests*

**PSY—Psychology**

Poster/Display #125

1:40–2:20 • CMU Main Lounge

## Henry, Carielle

*STOP KISS*

**THTR—Theatre Arts**

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## Heringer, Lexi

*Getting to Know You: Differing Perceptions of Online verses Face-to-face Self-Disclosures and Satisfaction in College Females*

**PSY—Psychology**

Poster/Display #130

10:10–10:50 • CMU 2nd Floor Hallway

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## Herold, Logan

*"Where is the Duende?": An Approach to Understanding Poetry for All Readers*

### ENGL—English

Oral Presentation

2:00–2:20 • CMU 101

## Heruth, Raina

*Post High School Aspirations of American Indian Students*

### PSY—Psychology

Oral Presentation

1:20–1:50 • CMU 216

## Hettich, Jeanne

*Living Learning Communities and retention rate.*

### CMST—Communication Studies

Oral Presentation

2:00–2:20 • CMU 227

## Heuer, Shana

*Designer Babies*

### CCGE—Corrick Center for General Education

Debate

2:50–3:20 • CMU 205

## Hill, Zachary

*Supercross Track*

### CM—Construction Management

Poster/Display #71

1:40–2:20 • CMU 2nd Floor Hallway

## Hollermann, Christine

*How you Read to Kids Matters: Efficacy of Specific Techniques in Repeated Read Alouds*

### PSY—Psychology

Poster/Display #128

1:00–1:40 • CMU Basement Hallway

## Holmquist, Alexander

*Fundamentals of Play Directing*

### THTR—Theatre Arts

Oral Presentation

2:30–2:50 • Ballroom D

## Holowell, Caitlyn

*Designer Babies*

### CCGE—Corrick Center for General Education

Debate

2:50–3:20 • CMU 205

## Holt, Conor

*Analyzing Human Rights in Science Fiction Films*

### FILM—Film Studies

Oral Presentation

3:30–3:50 • LO 0102

## Honetschlager, Victoria

*In vivo EPR signal reduction of spin-labeled free radicals in living mice*

### CHEM—Chemistry

Poster/Display #64

1:00–1:40 • CMU Basement Hallway

## Honetschlager, Victoria

*Bragg Scattering and Atomic Force Microscopy*

### PHYS—Physics

Poster/Display #116

9:30–10:10 • CMU Main Lounge

## Houk, DJ

*Magnetic Moment*

### PHYS—Physics

Poster/Display #118

1:00–1:40 • CMU Main Lounge

## Huso, Keely

*Volunteering: All Paws Down*

### CMST—Communication Studies

Oral Presentation

1:00–1:20 • CMU 227

## Hysjulien, Sara

*The Musical of Musicals*

### THTR—Theatre Arts

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Imdieke, Lindsey

*Obstetric Nursing*

### NURS—Nursing

Poster/Display #109

1:40–2:20 • CMU Basement Hallway



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## Indergaard, Kelsey

*Los Pazos de Ulloa and the Naturalism  
Movement in Spain*

**SPAN—Spanish**

Oral Presentation

1:50–2:10 • CMU 216

## Iwen, Kimberly

*Exploration of the relationship between the Cassava  
plant to the Taino people of the Greater Antilles.*

**BIOL—Biology**

Poster/Display #27

10:10–10:50 • CMU Main Lounge

## Jacobson, Katie

*Prehistoric Settlement in Swift County, Minnesota*

**ANTH—Anthropology**

Poster/Display #11

1:40–2:20 • CMU Basement Hallway

## Jacobson, Robert

*Gender Among The Lakota*

**ANTH—Anthropology**

Poster/Display #9

10:10–10:50 • CMU 2nd Floor Hallway

## Jetvig, Angela

*Alzheimer's Disease*

**HLTH—Health**

Oral Presentation

10:30–10:50 • CMU 214

## Johnk, Maxfield

*Modern Jazz Bass: Improvisational  
styles on the double bass*

**MUS—Music**

Oral Presentation

10:10–10:30 • LO 0108

## Johnson, Rachel

*Domestic Violence and Health*

**SOC—Sociology**

Poster/Display #150

10:10–10:50 • CMU Basement Hallway

## Johnson, Courtney

*Beautifully Bald: Learning to Live with Alopecia  
through Self-Disclosure and Friendship*

**CMST—Communication Studies**

Oral Presentation

10:30–10:50 • CMU 227

## Johnson, Kelsey

*Virtual Sexual Aggression: The Real Life Correlates  
of BDSM and Rape Simulations in Second Life*

**PSY—Psychology**

Poster/Display #135

3:30–4:10 • CMU Main Lounge

## Jorgenson, Renek

*Science Discovery Camp for Middle School Students*

**BIOL—Biology**

Poster/Display #29

1:40–2:20 • CMU Main Lounge

## Kadimisetty, Sri Krishna

*Make the next facebook: Developing a  
webapp on Google App Engine*

**CSIS—Computer Science and Information Systems**

Workshop

1:40–2:10 • Ballroom D

## Kafle, Arjun

*Preparation of Imino Esters and Investigation of their  
Conjugate Additions to Unsaturated Carbonyls*

**CHEM—Chemistry**

Poster/Display #60

1:40–2:20 • CMU Basement Hallway

## Kalina, Carly

*Substance Abuse and Its Effects on the  
Population: An Epidemiological Approach.*

**HLTH—Health**

Poster/Display #81

1:40–2:20 • CMU 2nd Floor Hallway

## Kappes, Adam

*Transition from Childhood to Adulthood  
for Autistic Individuals*

**HLTH—Health**

Oral Presentation

1:40–2:00 • CMU 214

## Kariuki, Brian

*Importance of Education and Health*

**SOC—Sociology**

Oral Presentation

10:30–10:50 • CMU 208

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## Karki, Bibhusha

*A closer look into the hydroelectricity  
projects of Nepal*

### INTL—International Studies

Oral Presentation

3:10–3:30 • CMU 208

## Karki, Pragalv

*Bragg Scattering and Atomic Force Microscopy*

### PHYS—Physics

Poster/Display #116

9:30–10:10 • CMU Main Lounge

## Kaspari, Nicholas

*The Musical of Musicals*

### THTR—Theatre Arts

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Kedrowski, Meagan

*STOP KISS*

### THTR—Theatre Arts

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## Kedrowski, Meagan

*The Musical of Musicals*

### THTR—Theatre Arts

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Kelley, Jennifer

*Organics and Inorganics of America and Costa Rica*

### BIOL—Biology

Oral Presentation

1:00–1:20 • CMU 205

## Kendall, Scott

*Make a Jazz Noise Here: The Music of Frank Zappa*

### MUS—Music

Oral Presentation

10:30–10:50 • LO 0108

## Kettering, Christopher

*The responsibility to protect as an  
emerging norm of international law*

### POL—Political Science

Oral Presentation

2:30–2:50 • CMU 207

## Kim, Taehyun

*Synthesis of a new Cyanoborane polymer  
with a trigonal planar boron.*

### CHEM—Chemistry

Poster/Display #56

1:40–2:20 • CMU 2nd Floor Hallway

## Kim, Taehyun

*High-yield synthesis of the semicarbazide  
adduct of cyanoborane*

### CHEM—Chemistry

Poster/Display #55

10:10–10:50 • CMU 2nd Floor Hallway

## King, Cheyne

*STOP KISS*

### THTR—Theatre Arts

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## King, Cheyne

*IF YOU GIVE A MOUSE A COOKIE*

### THTR—Theatre Arts

Theatre Performance

1:00–1:45 • Glasrud Auditorium in Weld Hall

## Kinter, Kevin

*A Test For Phenotypic Plasticity In The  
Ontogeny of Skeletal Ossification in  
Larvae of Two Species of Cichlids*

### BIOL—Biology

Poster/Display #40

9:30–10:10 • CMU Basement Hallway

## Kirby, Michael

*Capstone Experience- BDM Constructors*

### CM—Construction Management

Poster/Display #70

9:30–10:10 • CMU Main Lounge

## Kne, Katie

*Alzheimer's Disease*

### HLTH—Health

Oral Presentation

10:30–10:50 • CMU 214

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**Koirala, Mallika**

*Forensic Accounting: A Research Study*

**ACCT—Accounting**

Oral Presentation

3:20–3:40 • LO 0108

**Kolar, David**

*Behind the Sound: An Inside Look  
at Live Audio Production*

**MUS—Music**

Oral Presentation

3:10–3:20 • LO 0108

**Kondo, Takuto**

*KAATSU Training*

**AT—Athletic Training**

Poster/Display #21

1:00–1:40 • CMU Basement Hallway

**Korczak, Jordan**

*Sub-Zero Contractor's Recreational Renovation*

**CM—Construction Management**

Poster/Display #69

1:40–2:20 • CMU 2nd Floor Hallway

**Kosak, Kyle**

*Urban Canada Geese in Moorhead,  
Minnesota: How Many are Too Many?*

**BIOL—Biology**

Poster/Display #33

3:30–4:10 • CMU Main Lounge

**Krabbenhoft, Lindsay**

*Transcultural Nursing in Guatemala*

**NURS—Nursing**

Poster/Display #93

3:30–4:10 • CMU Main Lounge

**Krabbenhoft, Lindsay Margaret**

*Transcultural Nursing in Guatemala*

**NURS—Nursing**

Poster/Display #94

3:30–4:10 • CMU Main Lounge

**Kram, Sara**

*Wet Site Archaeology: An Overview.*

**ANTH—Anthropology**

Poster/Display #7

3:30–4:10 • CMU 2nd Floor Hallway

**Kramer, Joseph**

*Lineage: Shooting on Location*

**FILM—Film Studies**

Oral Presentation

9:50–10:10 • Ballroom D

**Kramer, Tara**

*Lineage: Shooting on Location*

**FILM—Film Studies**

Oral Presentation

9:50–10:10 • Ballroom D

**Kretchmer, Kathleen**

*The Unseen: A Senior Seminar Film*

**FILM—Film Studies**

Oral Presentation

2:30–2:50 • LO 0102

**Kuklock, Ashlyn**

*Does population carrying capacity in protists  
scale exponentially with temperature?*

**BIOL—Biology**

Poster/Display #31

10:10–10:50 • CMU Basement Hallway

**Kuklock, Jaclynn**

*Does population carrying capacity in protists  
scale exponentially with temperature?*

**BIOL—Biology**

Poster/Display #31

10:10–10:50 • CMU Basement Hallway

**Kulshrestha, Manasvi**

*Understanding the neurological basis of LSD*

**BIOL—Biology**

Poster/Display #42

3:30–4:10 • CMU Main Lounge

**Kundinger, Samantha**

*Disappointing Maternal Death  
Rates in the United States*

**HLTH—Health**

Oral Presentation

9:50–10:10 • CMU 214

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## Kuperus, Danielle

*Money Doesn't Grow on Trees: The environmental, economic, and global costs of deforestation in Costa Rica.*

### BIOL—Biology

Oral Presentation

2:00–2:20 • CMU 205

## Lagred, Kayla

*How to Make and Use a Pin Hole Camera*

### ART—Art and Design

Table Display #12

10:10–10:50 • CMU 2nd Floor Hallway

## Lakner, Mitchell

*In Silico Analysis and Molecular Dissection of the PPKK:PDRP Interaction*

### BIOL—Biology

Poster/Display #28

1:00–1:40 • CMU Basement Hallway

## Lakner, Mitchell

*Science Discovery Camp for Middle School Students*

### BIOL—Biology

Poster/Display #29

1:40–2:20 • CMU Main Lounge

## Lama, Lhemi

*Colon Cancer*

### HLTH—Health

Oral Presentation

1:00–1:20 • CMU 214

## Lamb, Laren

*Ganga Ma: Revered by millions, polluted by all*

### INTL—International Studies

Oral Presentation

2:30–2:50 • CMU 214

## Lambertz, Jessica

*Lasting Projects of the New Deal in Fargo/Moorhead*

### ART—Art and Design

Oral Presentation

9:30–9:50 • CMU 203

## Lambourne, Neville

*relationship of man-made chemicals and human health*

### SOC—Sociology

Poster/Display

1:00–1:40 • CMU 2nd Floor Hallway

## Larsen, Jacob

*Every Drop Counts: An Analysis of International Water Markets and Pricing Policies*

### ECON—Economics

Oral Presentation

1:00–1:20 • Ballrom A

## Larson, Craig

*The Extra-Amazing Adventures of Extraman and Extragirl*

### FILM—Film Studies

Oral Presentation

2:00–2:20 • LO 0102

## Laurencelle, Aimee

*Nursing Care After A Coronary Artery Bypass Graft: Preventing Complications*

### NURS—Nursing

Poster/Display #108

1:00–1:40 • CMU 2nd Floor Hallway

## LaValla, Amy

*Judaism in Late Antiquity*

### HIST—History

Oral Presentation

10:30–10:50 • LO 0104

## LaValla, Amy

*Methicillin-Resistant Staphylococcus Aureus in the Fargo-Moorhead Region*

### HLTH—Health

Oral Presentation

9:30–9:50 • CMU 214

## Lazur, Brittany

*Beautifully Bald: Learning to Live with Alopecia through Self-Disclosure and Friendship*

### CMST—Communication Studies

Oral Presentation

10:30–10:50 • CMU 227

## LeBrun, Wendy

*Health Insurance Coverage and Overall Health*

### SOC—Sociology

Poster/Display #151

10:10–10:50 • CMU 2nd Floor Hallway



# Conference Participants Listed Alphabetically by Last Name

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## Lech, Matthew

*Identifying characteristics of conspiracy rhetoric in David Ray Griffin's The Mysterious Collapse of World Trade Center 7.*

### CMST—Communication Studies

Oral Presentation

10:10–10:30 • CMU 227

## LeClaire, Simone

*The Self in Relation to the Other: Recognizing Artificial Intelligence as Our Equal and as the Divine in Science Fiction Films*

### FILM—Film Studies

Oral Presentation

9:30–9:50 • Ballroom D

## Ledezma, Jose

*Pancho Villa and the Mexican Revolution*

### HIST—History

Oral Presentation

1:00–1:20 • LO 0104

## Ledezma, Jose

*Judaism in Late Antiquity*

### HIST—History

Oral Presentation

10:30–10:50 • LO 0104

## Lendobeja, Maria

*Music-Induced Hearing Loss and the Collegiate Musician*

### SLHS—Speech, Language & Hearing Science

Poster/Display #138

1:00–1:40 • CMU 2nd Floor Hallway

## Libby, Sarah

*Fa-So-La: The American Musical Tradition of Sacred Harp*

### MUS—Music

Oral Presentation

9:30–9:50 • LO 0108

## Lien, Laura

*What factors influence the location decisions of service-sector firms in Minnesota and North Dakota?*

### ECON—Economics

Oral Presentation

10:10–10:30 • Ballroom B

## Livingood, Jennifer

*Media's Influence on Body Image: An Eye Tracking Study*

### PSY—Psychology

Poster/Display #126

1:00–1:40 • CMU Main Lounge

## Lloyd, Casey

*Music's Effect on Helping Behavior in Second Life*

### PSY—Psychology

Poster/Display #124

1:00–1:40 • CMU 2nd Floor Hallway

## Lobdell, Michael

*Hijacking Cultural Momentum: Steinbeck's Use of the Archetypal Image of Christ in The Grapes of Wrath*

### ENGL—English

Oral Presentation

2:30–2:50 • CMU 101

## Lock, Joanna

*Farming Techniques in Costa Rica vs. United States*

### BIOL—Biology

Oral Presentation

2:30–2:50 • CMU 205

## Lofgren, Tonia

*Women's health-human papillomavirus*

### NURS—Nursing

Poster/Display #114

3:30–4:10 • CMU 2nd Floor Hallway

## Lokenye, Christelle

*HIV/AIDS: The silent threat to humanity.*

### HLTH—Health

Poster/Display #85

10:10–10:50 • CMU 2nd Floor Hallway

## Lunn, Whitney

*Graphic Design and the proper way to layout a poster*

### ART—Art and Design

Poster/Display #13

10:10–10:50 • CMU 2nd Floor Hallway

## Mack, Nathan

*The Internet and International Security*

### POL—Political Science

Oral Presentation

1:40–2:00 • CMU 207

# Conference Participants Listed Alphabetically by Last Name

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Student Academic Conference website for the most up-to-date information.

## Mack, Megan

*Fashion Through The Lens*

**ART—Art and Design**

Oral Presentation

9:50–10:10 • CMU 203

## Mackedanz, Karly

*Hunger-Something to Grumble About*

**CMST—Communication Studies**

Oral Presentation

1:40–2:00 • CMU 227

## Madsen, Bradley

*Li Hung-Chang, Sergei Witte and the  
Chinese Eastern Railway, 1887-1900*

**HIST—History**

Oral Presentation

2:50–3:10 • LO 0104

## Magrum, Briana

*The Effect of Internet Use on Health*

**SOC—Sociology**

Poster/Display #149

2:30–3:10 • CMU Main Lounge

## Maharjan, Radha

*Anemia*

**HLTH—Health**

Poster/Display #84

9:30–10:10 • CMU Basement Hallway

## Mahmood, Alexandra

*Dazed and Confused*

**AT—Athletic Training**

Poster/Display #19

10:10–10:50 • CMU Basement Hallway

## Mani Subedi, Ishan

*X-ray spectroscopy*

**PHYS—Physics**

Poster/Display #119

3:30–4:10 • CMU 2nd Floor Hallway

## Maninga, Fidelia

*Benito Juarez*

**HIST—History**

Oral Presentation

2:30–2:50 • LO 0104

## Maninga, Fidelia

*Decreasing child mortality in Africa  
through malaria prevention.*

**HLTH—Health**

Poster/Display #1

9:30–10:10 • CMU Basement Hallway

## Mann, Marcus

*Dead Again: A Senior Seminar Film*

**FILM—Film Studies**

Film Screening

9:30–9:50 • LO 0102

## Manohar, Nivedha

*In Silico Analysis and Molecular Dissection  
of the PPK:PKR Interaction*

**BIOL—Biology**

Poster/Display #28

1:00–1:40 • CMU Basement Hallway

## Marier, Cynthia

*The Relationship with Smoking and your Health*

**SOC—Sociology**

Poster/Display #146

2:30–3:10 • CMU 2nd Floor Hallway

## Marketon, Jill

*Alzheimer's Disease*

**HLTH—Health**

Oral Presentation

10:30–10:50 • CMU 214

## Marsh, Dan

*How to Make and Use a Pin Hole Camera*

**ART—Art and Design**

Table Display #12

10:10–10:50 • CMU 2nd Floor Hallway

## Marshall, Glen

*Government Nutritional Programs: Success or Failure?*

**SOC—Sociology**

Poster/Display #148

10:10–10:50 • CMU 2nd Floor Hallway

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Student Academic Conference website for the most up-to-date information.

## Marshall, Glen

*Economic Development in Indian Country:  
Best Practices and Possibilities*

**ECON—Economics**

Oral Presentation

9:30–9:50 • Ballrom B

## Martinson, Sarah E.

*A Decade of Painted Turtle Ecology in Clay  
County, Minnesota What Have We Learned?*

**BIOL—Biology**

Poster/Display #35

9:30–10:10 • CMU Basement Hallway

## Martodam, Gregory

*Concussions: Can the effects linger for decades?*

**AT—Athletic Training**

Poster/Display #24

9:30–10:10 • CMU 2nd Floor Hallway

## Marube, Finlay

*Drifts and Shifts of Influenza Virus  
and Immune Response*

**BIOL—Biology**

Poster/Display #46

10:10–10:50 • CMU Basement Hallway

## Matson, April

*The Land of 9,999 Lakes*

**ENGL—English**

Oral Presentation

9:30–1:40 • CMU 101

## Max Jeffry, Collins

*Sickle Cell Anemia*

**HLTH—Health**

Oral Presentation

1:20–1:40 • CMU 214

## McCallum, Peter

*The U.S. Corporate Tax System: Is Uncle  
Sam Encouraging Investment Abroad?*

**ECON—Economics**

Oral Presentation

1:20–1:40 • Ballrom A

## McCartney, Chelsea

*Cochlear Implants*

**SLHS—Speech, Language & Hearing Science**

Poster/Display #137

9:30–10:10 • CMU 2nd Floor Hallway

## Mccollam, Angela

*Preliminary genetic analysis of *Lasioglossum*  
(*Dialictus*) spp. (Hymenoptera: Apoidea) of  
western Minnesota tallgrass prairie.*

**BIOL—Biology**

Poster/Display #26

1:40–2:20 • CMU Basement Hallway

## McIntire, Mark

*Migraines*

**AT—Athletic Training**

Poster/Display #23

1:00–1:40 • CMU 2nd Floor Hallway

## Mehl, Christopher

*Generating functions, and their relationship  
to convergent sequences.*

**MATH—Mathematics**

Oral Presentation

9:50–10:10 • CMU 207

## Meidinger, Sara

*Obesity in the United States*

**HLTH—Health**

Poster/Display #82

1:40–2:20 • CMU Basement Hallway

## Menton, Lucas

*Construction Management Capstone  
Experience - Multi-unit housing development*

**CM—Construction Management**

Oral Presentation

3:30–3:50 • CMU 207

## Metzger, Rachel

*Effects of Employment on Minnesota State  
University Moorhead Students' Grades*

**ECON—Economics**

Oral Presentation

1:00–1:20 • Ballrom B

## Michaelson, Lindsey

*Disappointing Maternal Death  
Rates in the United States*

**HLTH—Health**

Oral Presentation

9:50–10:10 • CMU 214

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## Michelson, Jessica A.

*Effect of order of stimulus presentation on  
releaser-induced recognition learning*

### BIOL—Biology

Oral Presentation

10:30–10:50 • CMU 205

## Michelson, Jessica

*The effect of multiple infections of a brain-  
encysting trematode on the optomotor  
response of fathead minnows.*

### BIOL—Biology

Oral Presentation

9:30–9:50 • CMU 205

## Michon, Tierney

*The Musical of Musicals*

### THTR—Theatre Arts

Performance and Talkback

2:30–4:40 • Gaede Theatre

## Mickelberg, Madalyn

*Early Photographic Process: Van Dyke Brown.*

### ART—Art and Design

Poster/Display #15

10:10–10:50 • CMU Basement Hallway

## Millard, Arkady

*Case study: Antipsychotic Medication  
Induced Parkinsonism*

### NURS—Nursing

Poster/Display #103

9:30–10:10 • CMU 2nd Floor Hallway

## Miller, Mitchell

*The Extra-Amazing Adventures of  
Extraman and Extragirl*

### FILM—Film Studies

Oral Presentation

2:00–2:20 • LO 0102

## Miller, Kimberly

*STOP KISS*

### THTR—Theatre Arts

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## Mitlyng, Lindsay

*Organics and Inorganics of America and Costa Rica*

### BIOL—Biology

Oral Presentation

1:00–1:20 • CMU 205

## Moenkedick, Molly

*Medical-Surgical Nursing*

### NURS—Nursing

Poster/Display #105

1:00–1:40 • CMU 2nd Floor Hallway

## Mohamed, Zuweina

*The Role of Trade and Foreign Direct  
Investments in the Economic Growth of  
Sub-Saharan African Countries.*

### ECON—Economics

Oral Presentation

3:10–3:30 • Ballrom A

## Mohamed, Aisha

*Forensic Accounting: A Research Study*

### ACCT—Accounting

Oral Presentation

3:20–3:40 • LO 0108

## Montbriand, Melissa

*Geometric Constructions Using a  
Straightedge and a Compass*

### MATH—Mathematics

Oral Presentation

10:10–10:30 • CMU 207

## Moore, Christopher

*Magnetic Susceptibility and the  
Superconducting Transition*

### PHYS—Physics

Poster/Display #117

1:00–1:40 • CMU Main Lounge

## Moore, Christopher

*Nuclear Magnetic Resonance*

### PHYS—Physics

Poster/Display #121

1:00–1:40 • CMU 2nd Floor Hallway

## Moore, Christopher

*Gaussian Accelerator*

### PHYS—Physics

Poster/Display #115

10:10–10:50 • CMU 2nd Floor Hallway



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## Moorhouse, Amy

*The affects of exotic earthworms on Big Bluestem, Andropogon gerardii, prairie plants*

### BIOL—Biology

Poster/Display #36

2:30–3:10 • CMU Main Lounge

## Morrison, Heather

*Disappointing Maternal Death Rates in the United States*

### HLTH—Health

Oral Presentation

9:50–10:10 • CMU 214

## Morseth, Zachary

*Preparation of Tetrahydroisoquinoline-Derived Azomethine Ylide Dipoles and Investigation of their Cycloaddition to Unsaturated Acyl Pyrazolidinones*

### CHEM—Chemistry

Poster/Display #57

1:40–2:20 • CMU Basement Hallway

## Munson, Jacquelyn

*Caring for Patients in a Transcultural Nursing Setting*

### NURS—Nursing

Poster/Display #99

9:30–10:10 • CMU 2nd Floor Hallway

## Muthukumarana, Tharaka

*Cybercrime on Campus*

### ACCT—Accounting

Poster/Display #2

10:10–10:50 • CMU Basement Hallway

## Muwahid, Tariq

*The Musical of Musicals*

### THTR—Theatre Arts

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Nash, Karsten

*Preliminary genetic analysis of Lasioglossum (Dialictus) spp. (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.*

### BIOL—Biology

Poster/Display #26

1:40–2:20 • CMU Basement Hallway

## Nejo, Yusuke

*Acupuncture in our lives*

### AT—Athletic Training

Poster/Display #25

9:30–10:10 • CMU Basement Hallway

## Nelson, Kaitlyn

*Stratigraphic significance of a fossiliferous shale in the lower part of the Raytown Limestone Member of the Iola Limestone (Upper Pennsylvanian) in eastern Kansas*

### GEOS—Geoscience

Poster/Display #79

1:40–2:20 • CMU 2nd Floor Hallway

## Nelson, Alyssa

*Graphic Design and the proper way to layout a poster*

### ART—Art and Design

Poster/Display #13

10:10–10:50 • CMU 2nd Floor Hallway



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## Nelson, Amber

*Graphic Design and the proper way to layout a poster*

**ART—Art and Design**

Poster/Display #13

10:10–10:50 • CMU 2nd Floor Hallway

## Nelson, Yalonda

*Designer Babies*

**CCGE—Corrick Center for General Education**

Debate

2:50–3:20 • CMU 205

## Nelson, Kelly

*STOP KISS*

**THTR—Theatre Arts**

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## Nguyen, Tony

*Impact of NHE1 Phosphorylation by  
Ribosomal S-6 kinase and RhoA kinase  
on ERM binding and cell motility*

**CHEM—Chemistry**

Poster/Display

1:00–1:40 • CMU 2nd Floor Hallway

## Nies, Kirsten

*Methicillin-Resistant Staphylococcus  
Aureus in the Fargo-Moorhead Region*

**HLTH—Health**

Oral Presentation

9:30–9:50 • CMU 214

## North, Heather

*Shopping at Farmers Markets  
vs. Large Supermarkets*

**BIOL—Biology**

Oral Presentation

1:40–2:00 • CMU 205

## Nowacki, Amie

*A New Procedure for the Acylation of Pyrazolidinone  
Rings Using Mukayamas Reagent*

**CHEM—Chemistry**

Poster/Display #62

9:30–10:10 • CMU Basement Hallway

## Nwabufu, Christian

*Sickle Cell Anemia*

**HLTH—Health**

Oral Presentation

1:20–1:40 • CMU 214

## Nymark, Jessica

*A Test For Phenotypic Plasticity In The  
Ontogeny of Skeletal Ossification in  
Larvae of Two Species of Cichlids*

**BIOL—Biology**

Poster/Display #40

9:30–10:10 • CMU Basement Hallway

## O'Brien, Dylan

*Liking and Eroticism in Evaluations of the Visual Arts*

**PSY—Psychology**

Poster/Display #133

1:00–1:40 • CMU Basement Hallway

## O'Brien, Dylan

*The Future of Time Perspective*

**PSY—Psychology**

Poster/Display #134

2:30–3:10 • CMU Main Lounge

## Ochs, Rachael

*Cystic Fibrosis*

**AT—Athletic Training**

Poster/Display #22

10:10–10:50 • CMU Basement Hallway

## Olatunbosun, Margaret

*HIV/AIDS: The silent threat to humanity.*

**HLTH—Health**

Poster/Display #85

10:10–10:50 • CMU 2nd Floor Hallway

## Olatunbosun, Margaret

*Toward a Sustainable Textbook Future - The  
Free, Open, and Digital Revolution*

**ECON—Economics**

Oral Presentation

9:30–9:50 • Ballroom A

## Olson, Eric

*Neologisms: the death of English  
and birth of new American*

**ANTH—Anthropology**

Poster/Display #10

1:00–1:40 • CMU 2nd Floor Hallway

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## Olson, Justin A.

*Effect of order of stimulus presentation on  
releaser-induced recognition learning*

**BIOL—Biology**

Oral Presentation

10:30–10:50 • CMU 205

## Olson, Maggie

*Shakespeare's The Merry Wives of Windsor: Adapting  
Shakespeare for Contemporary Audiences*

**THTR—Theatre Arts**

Oral Presentation

2:10–2:30 • CMU 216

## Olson, Alyssa

*Designer Babies*

**CCGE—Corrick Center for General Education**

Debate

2:50–3:20 • CMU 205

## Olson, Alisha

*Childhood Obesity*

**HLTH—Health**

Oral Presentation

1:00–1:20 • Ballroom D

## Olson, Justin A.

*A Decade of Painted Turtle Ecology in Clay  
County, Minnesota What Have We Learned?*

**BIOL—Biology**

Poster/Display #35

9:30–10:10 • CMU Basement Hallway

## Olson, Justin

*A test of a method for mass-training  
fish for applications in aquaculture.*

**BIOL—Biology**

Oral Presentation

9:50–10:10 • CMU 205

## O'Malley, Kaity

*Graphic Design and the proper way to layout a poster*

**ART—Art and Design**

Poster/Display #13

10:10–10:50 • CMU 2nd Floor Hallway

## Page, Derek

*Artistic Quality by Beauty and Interestingness*

**PSY—Psychology**

Poster/Display #132

9:30–10:10 • CMU Basement Hallway

## Palm, Sarah

*The Psychology of Documentary Design*

**FILM—Film Studies**

Oral Presentation

10:30–10:50 • LO 0102

## Pandey, Shekhar

*Childhood Obesity*

**HLTH—Health**

Oral Presentation

1:00–1:20 • Ballroom D

## Pantera, Harrison

*Feeding level and size-pairing impacts on intraspecific  
competition between fathead minnows*

**BIOL—Biology**

Poster/Display #32

10:10–10:50 • CMU Main Lounge

## Parbhunath, Chitrasen

*Henry David Thoreau's Vision of Man and Nature*

**ENGL—English**

Oral Presentation

9:30–1:40 • CMU 101

## Parsley, Carmen

*Labor and Delivery Nursing: A Student's Perspective*

**NURS—Nursing**

Poster/Display #112

1:00–1:40 • CMU Basement Hallway

## Pates, Nicholas

*Bumper Expectations: The Effect of  
Revenue Insurance on Yield Volatility*

**ECON—Economics**

Oral Presentation

10:10–10:30 • Ballroom A

## Paudel, Sunil

*Nepal's Survival between two Giants(Nepal's foreign  
policy strategies vis-a-vis India and China)*

**INTL—International Studies**

Oral Presentation

2:50–3:10 • CMU 208

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**Paudel, Sunil**

*Wine to Water*

**INTL—International Studies**

Poster/Display #89

3:30–4:10 • CMU 2nd Floor Hallway

**Peper, Jenna**

*Substance Abuse and Its Effects on the  
Population: An Epidemiological Approach.*

**HLTH—Health**

Poster/Display #81

1:40–2:20 • CMU 2nd Floor Hallway

**Peper, Jenna**

*The Influence of Alcohol Use on Health*

**SOC—Sociology**

Poster/Display #145

2:30–3:10 • CMU Main Lounge

**Perera, Atukoralage Indiwari**

*The Social Impact of Chernobyl Disaster*

**HIST—History**

Oral Presentation

10:10–10:30 • Ballroom D

**Perkins, Vanessa**

*“A Fine Frenzy”: Gender Dynamics in  
“A Midsummer Night’s Dream”*

**ENGL—English**

Oral Presentation

1:40–2:00 • CMU 101

**Pigeon, Jered**

*POST HIGH SCHOOL ASPIRATIONS OF  
AMERICAN INDIAN STUDENTS*

**PSY—Psychology**

Oral Presentation

1:20–1:50 • CMU 216

**Pimlott, Benjamin**

*Film 472 Advanced Video Production Client Videos*

**FILM—Film Studies**

Oral Presentation

2:30–3:30 • LO 0101

**Poepping, Sarah**

*“Malleable”: A Presentation of Sarah  
Poepping’s Photographic Series*

**ART—Art and Design**

Oral Presentation

10:10–10:30 • CMU 203

**Pound, Crystal**

*“An Animal Kingdom of Mishaps”*

**ENGL—English**

Oral Presentation

9:30–1:40 • CMU 101

**Pudwill, Klarissa**

*The Musical of Musicals*

**THTR—Theatre Arts**

Performance and Talkback

2:30–4:30 • Gaede Theatre

**Pullen, Matthew**

*Down the Tracks: An Ecocritical Examination of  
Progress and Nature from Walden to Today*

**ENGL—English**

Oral Presentation

9:30–1:40 • CMU 101

**Purdin, Sky**

*The Over Diagnosis of ADHD*

**SOC—Sociology**

Oral Presentation

9:50–10:10 • CMU 208

**Radenic, Sonny**

*Testing Inheritability of Shy/Bold Personality  
Traits in Zebrafish Offspring*

**BIOL—Biology**

Poster/Display #37

2:30–3:10 • CMU Main Lounge

**Rahman, Fariha**

*Transition to Sustainable Energy*

**ECON—Economics**

Poster/Display #73

3:30–4:10 • CMU Main Lounge

**Rassat, Aaron**

*Decreasing child mortality in Africa  
through malaria prevention.*

**HLTH—Health**

Poster/Display #1

9:30–10:10 • CMU Basement Hallway

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## Rastedt, DeAnna

*Urban Canada Geese in Moorhead,  
Minnesota: How Many are Too Many?*

### BIOL—Biology

Poster/Display #33

3:30–4:10 • CMU Main Lounge

## Rastedt, DeAnna

*Urban Turkeys: Survey of Wild Turkey Distribution  
and Numbers, Human-Turkey Interactions, and Public  
Opinion in the Red River Valley in Cass (North Dakota)  
and Clay (Minnesota) Counties (2003-2010)*

### BIOL—Biology

Poster/Display #34

3:30–4:10 • CMU Main Lounge

## Rastedt, DeAnna

*A Decade of Painted Turtle Ecology in Clay  
County, Minnesota What Have We Learned?*

### BIOL—Biology

Poster/Display #35

9:30–10:10 • CMU Basement Hallway

## Raymo, Nikko

*The Musical of Musicals*

### THTR—Theatre Arts

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Reiswig, Kegan

*Does the National Basketball Association's  
Soft Salary Cap Increase Competitive Parity?*

### ECON—Economics

Oral Presentation

2:00–2:20 • Ballrom A

## Remhof, Jessica

*The Spanish Immersion Classroom and Beyond:  
An Investigation of Vocabulary Discrepancies*

### PSY—Psychology

Poster/Display #136

2:30–3:10 • CMU 2nd Floor Hallway

## Remmick, Ashley D.

*Urban Turkeys: Survey of Wild Turkey Distribution  
and Numbers, Human-Turkey Interactions, and Public  
Opinion in the Red River Valley in Cass (North Dakota)  
and Clay (Minnesota) Counties (2003-2010)*

### BIOL—Biology

Poster/Display #34

3:30–4:10 • CMU Main Lounge

## Remmick, Ashley D.

*A Decade of Painted Turtle Ecology in Clay  
County, Minnesota What Have We Learned?*

### BIOL—Biology

Poster/Display #35

9:30–10:10 • CMU Basement Hallway

## Resch, Joshua

*Film 472 Advanced Video Production Client Videos*

### FILM—Film Studies

Oral Presentation

2:30–3:30 • LO 0101

## Richgels, Holli

*The Musical of Musicals*

### THTR—Theatre Arts

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Ridler, Joshua

*Construction Management Capstone  
Experience - Multi-unit housing development*

### CM—Construction Management

Oral Presentation

3:30–3:50 • CMU 207

## Riffle, Heidi

*STOP KISS*

### THTR—Theatre Arts

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## Riffle, Heidi

*The Musical of Musicals*

### THTR—Theatre Arts

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Rijal, Durga

*HIV/AIDS: The silent threat to humanity.*

### HLTH—Health

Poster/Display #85

10:10–10:50 • CMU 2nd Floor Hallway

## Ringgold, Jennifer D.

*A Decade of Painted Turtle Ecology in Clay  
County, Minnesota What Have We Learned?*

### BIOL—Biology

Poster/Display #35

9:30–10:10 • CMU Basement Hallway



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## Roach, Christopher

*Supercross Track*

**CM—Construction Management**

Poster/Display #71

[1:40–2:20 • CMU 2nd Floor Hallway](#)

## Rodriguez, Gerardo

*Stratigraphic significance of a fossiliferous shale in the lower part of the Raytown Limestone Member of the Iola Limestone (Upper Pennsylvanian) in eastern Kansas*

**GEOS—Geoscience**

Poster/Display #79

[1:40–2:20 • CMU 2nd Floor Hallway](#)

## Rolando, Dominique

*Hugo Chavez - The rise of a new age dictator*

**HIST—History**

Oral Presentation

[1:20–1:40 • LO 0104](#)

## Rolando, Dom

*Honors Apprentices: Service and Challenge*

**HON—Honors**

Oral Presentation

[2:30–2:50 • CMU 227](#)

## Ross, Susan

*Transcultural Nursing: What I thought I knew, what I learned, and the differences.*

**NURS—Nursing**

Poster/Display #96

[3:30–4:10 • CMU Main Lounge](#)

## Rossow, Shelby

*Transcultural Nursing in Guatemala*

**NURS—Nursing**

Poster/Display #94

[3:30–4:10 • CMU Main Lounge](#)

## Rossow, Shelby Doris

*Transcultural Nursing in Guatemala*

**NURS—Nursing**

Poster/Display #93

[3:30–4:10 • CMU Main Lounge](#)

## Rothberg, Eric

*“The Surviving Chinese Jewish Community”*

**HIST—History**

Oral Presentation

[2:30–2:50 • CMU 216](#)

## Rottman, Carl

*STOP KISS*

**THTR—Theatre Arts**

Theatre Performance

[9:30–11:30 • Glasrud Auditorium in Weld Hall](#)

*NOTE: Performance may run over 90 minutes*

## Roy, Lyndsey

*How you Read to Kids Matters: Efficacy of Specific Techniques in Repeated Read Alouds*

**PSY—Psychology**

Poster/Display #128

[1:00–1:40 • CMU Basement Hallway](#)

## Ruckdashel, Steven

*Utilizing Microsoft Kinect Controller for Affordable Robotic Navigation*

**PHYS—Physics**

Oral Presentation

[10:10–10:30 • CMU 216](#)

## Rue, Jonathan

*k-Gibonacci Numbers and Permutation Statistics*

**MATH—Mathematics**

Oral Presentation

[3:10–3:50 • CMU 207](#)

## Sadowski, Christina

*Urban Canada Geese in Moorhead, Minnesota: How Many are Too Many?*

**BIOL—Biology**

Poster/Display #33

[3:30–4:10 • CMU Main Lounge](#)

## Sailer, Cory

*Form to Form: Music and Art in the Baroque*

**MUS—Music**

Oral Presentation

[1:00–1:20 • LO 0108](#)

## Sailer, Cory

*Testing Inheritability of Shy/Bold Personality Traits in Zebrafish Offspring*

**BIOL—Biology**

Poster/Display #37

[2:30–3:10 • CMU Main Lounge](#)

# Conference Participants Listed Alphabetically by Last Name

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Please click on the Dragon logo at the bottom of the page to go to the  
Student Academic Conference website for the most up-to-date information.

## Sam, Sabrina

*Shining a Light on Acne*

**BIOL—Biology**

Poster/Display #49

1:40–2:20 • CMU 2nd Floor Hallway

## Sandifer, James

*Music on the Brain*

**MUS—Music**

Oral Presentation

2:00–2:20 • LO 0108

## Saqlain, Murshid

*Constructing a Walker Robot*

**PHYS—Physics**

Poster/Display #120

10:10–10:50 • CMU Basement Hallway

## Saue, Alicia

*Prevent Deep Vein Thrombosis on  
a Medical/Surgical Flood*

**NURS—Nursing**

Poster/Display #110

1:40–2:20 • CMU Basement Hallway

## Sauer, Alane

*A Test For Phenotypic Plasticity In The  
Ontogeny of Skeletal Ossification in  
Larvae of Two Species of Cichlids*

**BIOL—Biology**

Poster/Display #40

9:30–10:10 • CMU Basement Hallway

## Saul, Danielle

*An Assessment on the Republican  
Candidates for the 2012 Election.*

**CMST—Communication Studies**

Oral Presentation

1:20–1:40 • CMU 227

## Savageau, Nicole

*Parental teaching by fish biparental*

**BIOL—Biology**

Poster/Display #39

1:40–2:20 • CMU Basement Hallway

## Savageau, Nicole

*Bi-Parental Teaching by Fish*

**BIOL—Biology**

Poster/Display #41

9:30–10:10 • CMU Main Lounge

## Schann, Allyson

*Social Referencing During Inauthentic  
Emotional Situations*

**PSY—Psychology**

Poster/Display #127

1:40–2:20 • CMU 2nd Floor Hallway

## Schmaltz, Chelsea

*How the Belief Involving Prozac Affects Health*

**SOC—Sociology**

Poster/Display #154

10:10–10:50 • CMU 2nd Floor Hallway

## Schmidkunz, Cortney

*STOP KISS*

**THTR—Theatre Arts**

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## Schmidkunz, Cortney

*IF YOU GIVE A MOUSE A COOKIE*

**THTR—Theatre Arts**

Theatre Performance

1:00–1:45 • Glasrud Auditorium in Weld Hall

## Schmidt, Jacquelyn

*Media's Influence on Body Image:  
An Eye Tracking Study*

**PSY—Psychology**

Poster/Display #126

1:00–1:40 • CMU Main Lounge

## Schmidt, Ashley

*Health Literacy and Oncology Patient Education*

**NURS—Nursing**

Poster/Display #95

10:10–10:50 • CMU 2nd Floor Hallway

## Schnase, William

*The Musical of Musicals*

**THTR—Theatre Arts**

Performance and Talkback

2:30–4:30 • Gaede Theatre

# Conference Participants Listed Alphabetically by Last Name

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Student Academic Conference website for the most up-to-date information.

## Schotte, Phillip

*Shopping at Farmers Markets  
vs. Large Supermarkets*

### BIOL—Biology

Oral Presentation

1:40–2:00 • CMU 205

## Schotte, Phillip

*Common Garden Experiment in Convict Cichlid*

### BIOL—Biology

Poster/Display #38

9:30–10:10 • CMU 2nd Floor Hallway

## Schreifels, Michael

*On the Trash Trail*

### GEOS—Geoscience

Oral Presentation

10:30–10:50 • Ballroom D

## Schueller, Ivy

*Designer Babies*

### CCGE—Corrick Center for General Education

Debate

2:50–3:20 • CMU 205

## Schwab, Karryn

*Health Among the Homeless*

### SOC—Sociology

Poster/Display #143

10:10–10:50 • CMU 2nd Floor Hallway

## Schwab, Karryn

*Childhood Obesity*

### HLTH—Health

Oral Presentation

1:00–1:20 • Ballroom D

## Scott, Rebecca

*How does religion, alcohol consumption,  
and socioeconomic status, affect the  
overall health of older adults?*

### SOC—Sociology

Poster/Display #156

10:10–10:50 • CMU 2nd Floor Hallway

## Seidel, Ryan

*Supercross Track*

### CM—Construction Management

Poster/Display #71

1:40–2:20 • CMU 2nd Floor Hallway

## Shahi, Sagun

*Colon Cancer*

### HLTH—Health

Oral Presentation

1:00–1:20 • CMU 214

## Sherchan, Sujata

*Forensic Accounting: A Research Study*

### ACCT—Accounting

Oral Presentation

3:20–3:40 • LO 0108

## Sherven, Brittany

*Preterm Births in the Scope of Epidemiology*

### HLTH—Health

Oral Presentation

10:10–10:30 • CMU 214

## Shook, Parker

*STOP KISS*

### THTR—Theatre Arts

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## Short, Amber

*Comparing a Children's Film to the  
Literary Work that Inspired It*

### EECE—Elementary and Early Childhood Education

Poster/Display #74

9:30–10:10 • CMU 2nd Floor Hallway

## Shrestha, Nasheeba

*Cybercrime on Campus*

### ACCT—Accounting

Poster/Display #2

10:10–10:50 • CMU Basement Hallway

## Sieben, James

*Human Security and Societal Security  
Concerns in Post-Taliban Afghanistan*

### POL—Political Science

Oral Presentation

1:00–1:20 • CMU 207

# Conference Participants Listed Alphabetically by Last Name

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Student Academic Conference website for the most up-to-date information.

## Singh, Avantika

*The Social Impact of Chernobyl Disaster*

### HIST—History

Oral Presentation

10:10–10:30 • Ballroom D

## Smith, Crystal

*Moorhead Gangs*

### CJ—Criminal Justice

Oral Presentation

3:20–3:40 • CMU 203

## Sobolik, Dustin

*The IMF and the Third World*

### POL—Political Science

Poster/Display #123

2:30–3:10 • CMU Main Lounge

## Sorensen, Tyler

*A Reappraisal of Voice-over Narration*

### FILM—Film Studies

Oral Presentation

10:10–10:30 • LO 0102

## Sorenson, Heather

*Match.com-What's your blood group?*

### BIOL—Biology

Poster/Display #48

1:00–1:40 • CMU Main Lounge

## Soukup, Ryan

*STOP KISS*

### THTR—Theatre Arts

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## Soukup, Ryan

*IF YOU GIVE A MOUSE A COOKIE*

### THTR—Theatre Arts

Theatre Performance

1:00–1:45 • Glasrud Auditorium in Weld Hall

## Spanier, Rebecca

*Hunger-Something to Grumble About*

### CMST—Communication Studies

Oral Presentation

1:40–2:00 • CMU 227

## Sperling, Luke

*How Employment Opportunities*

*Affect University Retention*

### ECON—Economics

Oral Presentation

9:50–10:10 • Ballroom A

## St. Sauver, Ashley

*Naturschutz: Policy or Excuse? Examining the  
Environmental Policies of Germany's Nazi Regime.*

### HIST—History

Oral Presentation

2:00–2:20 • LO 0104

## Stenger, Nancy

*Preliminary genetic analysis of Lasioglossum  
(Dialictus) spp. (Hymenoptera: Apoidea) of  
western Minnesota tallgrass prairie.*

### BIOL—Biology

Poster/Display #26

1:40–2:20 • CMU Basement Hallway

## Stenger, Nancy

*Money Doesn't Grow on Trees: The  
environmental, economic, and global costs  
of deforestation in Costa Rica.*

### BIOL—Biology

Oral Presentation

2:00–2:20 • CMU 205

## Stenger, James

*The Musical of Musicals*

### THTR—Theatre Arts

Performance and Talkback

2:30–4:30 • Gaede Theatre

## Stenson, Andrea

*Post High School Aspirations of  
American Indian Students*

### PSY—Psychology

Oral Presentation

1:20–1:50 • CMU 216

## Stewart-James, Samantha

*Synthesis and Characterization of a Dye-Sensitizer*

### CHEM—Chemistry

Poster/Display #52

1:40–2:20 • CMU 2nd Floor Hallway

# Conference Participants Listed Alphabetically by Last Name

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Student Academic Conference website for the most up-to-date information.

**Stommes, Caroline**

*The Musical of Musicals*

**THTR—Theatre Arts**

Performance and Talkback

2:30–4:30 • Gaede Theatre

**Sutrisno, Randy**

*Testing Inheritability of Shy/Bold Personality*

*Traits in Zebrafish Offspring*

**BIOL—Biology**

Poster/Display #37

2:30–3:10 • CMU Main Lounge

**Sutrisno, Randy**

*Common Garden Experiment in Convict Cichlid*

**BIOL—Biology**

Poster/Display #38

9:30–10:10 • CMU 2nd Floor Hallway

**Swanson, Courtney**

*Childhood Obesity*

**HLTH—Health**

Oral Presentation

1:00–1:20 • Ballroom D

**Tandukar, Smita**

*Childhood Obesity*

**HLTH—Health**

Poster/Display #83

9:30–10:10 • CMU 2nd Floor Hallway

**Tandukar, Smita**

*Sickle Cell Anemia*

**HLTH—Health**

Oral Presentation

1:20–1:40 • CMU 214

**Tanselle, Brett**

*Preserving the Past for the Future:*

*Curation in Archaeological Practice*

**ANTH—Anthropology**

Poster/Display #4

1:40–2:20 • CMU Basement Hallway

**Teo, Wesley**

*Gaussian Accelerator*

**PHYS—Physics**

Poster/Display #115

10:10–10:50 • CMU 2nd Floor Hallway

**Teo, Wesley**

*Bragg Scattering and Atomic Force Microscopy*

**PHYS—Physics**

Poster/Display #116

9:30–10:10 • CMU Main Lounge

**Thapa, Sunita**

*Anemia*

**HLTH—Health**

Poster/Display #84

9:30–10:10 • CMU Basement Hallway

**Thein, John**

*Guatemala's Road to Development:*

*An Economic Assessment.*

**ECON—Economics**

Oral Presentation

3:30–3:50 • Ballrom A

**Thielges, Moriah**

*"The Power Of Questions:*

*Divergent Thought in the 21st Century"*

**ART—Art and Design**

Oral Presentation

2:30–2:50 • CMU 203

**Thomas, Isaac**

*Obesity in the United States*

**HLTH—Health**

Poster/Display #82

1:40–2:20 • CMU Basement Hallway

**Thorson, Amy**

*The Relationship Between Poverty,*

*Social Class, and Overall Health*

**SOC—Sociology**

Poster/Display #139

2:30–3:10 • CMU Main Lounge

**Thorstad, Kai**

*The Necessity of Nature Writing*

**ENGL—English**

Oral Presentation

9:30–1:40 • CMU 101



# Conference Participants Listed Alphabetically by Last Name

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**Thuen, Aaron**

*What's that Noise?*

**MUS—Music**

Oral Presentation

2:50–3:10 • LO 0108

**Thysell, Rachel**

*Conic Sections in the Taxicab Plane*

**MATH—Mathematics**

Oral Presentation

10:30–10:50 • CMU 207

**Tiegs-Marquardt, Taunia**

*The Internet and Pedophiles: Are Your Children at Risk?*

**MC —Mass Communications**

Oral Presentation

2:50–3:10 • CMU 227

**Tollefson, Christopher**

*Wagner's Mythology*

**MUS—Music**

Oral Presentation

9:50–10:10 • LO 0108

**Toren, Michelle M.**

*Effect of order of stimulus presentation on releaser-induced recognition learning*

**BIOL—Biology**

Oral Presentation

10:30–10:50 • CMU 205

**Toren, Michelle**

*Decreasing child mortality in Africa through malaria prevention.*

**HLTH—Health**

Poster #1

9:30–10:10 • CMU Basement Hallway

**Toren, Michelle**

*Behavioral modifications of Pimephales promelas infected with the brain parasite Ornithodiplostomum ptychocheilus in response to light cues.*

**BIOL—Biology**

Poster/Display #50

9:30–10:10 • CMU Main Lounge

**Tostenrud, Scott**

*Dead Again: A Senior Seminar Film*

**FILM—Film Studies**

Film Screening

9:30–9:50 • LO 0102

**Trosdahl, Laura**

*Expansion Outlook: Fergus Falls, MN*

**ECON—Economics**

Oral Presentation

2:30–2:50 • Ballrom A

**Troyer, Kaeley**

*Obesity in the United States*

**HLTH—Health**

Poster/Display #82

1:40–2:20 • CMU Basement Hallway

**Truitt, Danielle**

*Preserving the Past for the Future: Curation in Archaeological Practice*

**ANTH—Anthropology**

Poster/Display #4

1:40–2:20 • CMU Basement Hallway

**Undersander, Kiaja**

*Experimental infection of fat head minnows, Pimphelas promelas, with the brain worm Ornithodiplostomum ptychocheilus, and testing if the infection leads to chemical signals being released from the infected fish*

**BIOL—Biology**

Poster/Display #51

10:10–10:50 • CMU Main Lounge

**Undersander, Kiaja R.**

*Effect of order of stimulus presentation on releaser-induced recognition learning*

**BIOL—Biology**

Oral Presentation

10:30–10:50 • CMU 205

**Unterseher, Bobbi Jo**

*Alzheimer's Disease*

**HLTH—Health**

Oral Presentation

10:30–10:50 • CMU 214

**Upadhyay, Richa**

*Women Rights and Gender Inequality in Afghanistan.*

**INTL—International Studies**

Poster/Display #88

3:30–4:10 • CMU 2nd Floor Hallway

# Conference Participants Listed Alphabetically by Last Name

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## Vandal, Brent

*Feeding level and size-pairing impacts on intraspecific competition between fathead minnows*

### BIOL—Biology

Poster/Display #32

10:10–10:50 • CMU Main Lounge

## Varvin, John

*STOP KISS*

### THTR—Theatre Arts

Theatre Performance

9:30–11:30 • Glasrud Auditorium in Weld Hall

*NOTE: Performance may run over 90 minutes*

## Vavrin, John

*IF YOU GIVE A MOUSE A COOKIE*

### THTR—Theatre Arts

Theatre Performance

1:00–1:45 • Glasrud Auditorium in Weld Hall

## Volrath, Amanda

*Care of a Cancer Patient with Pain*

### NURS—Nursing

Poster/Display #111

9:30–10:10 • CMU 2nd Floor Hallway

## Wack, Catherine

*A Disappearing and Reappearing Act: The Iconic Beard of Ancient Egyptian Pharaohs*

### ART—Art and Design

Oral Presentation

10:30–10:50 • CMU 203

## Walker, Jasen

*Improved Procedures for the N-Alkylation of Pyrazolidinone Rings Using Aldehydes and Sodium Borohydride*

### CHEM—Chemistry

Poster/Display #58

2:00–2:40 • CMU Basement Hallway

## Walker, Jasen

*Emergence of Antiviral Drug Resistance in Herpesviruses*

### BIOL—Biology

Oral Presentation

1:20–1:40 • CMU 205

## Walker, Jasen L.

*Urban Turkeys: Survey of Wild Turkey Distribution and Numbers, Human-Turkey Interactions, and Public Opinion in the Red River Valley in Cass (North Dakota) and Clay (Minnesota) Counties (2003-2010)*

### BIOL—Biology

Poster/Display #34

3:30–4:10 • CMU Main Lounge

## Walker, Jason L.

*A Decade of Painted Turtle Ecology in Clay County, Minnesota What Have We Learned?*

### BIOL—Biology

Poster/Display #35

9:30–10:10 • CMU Basement Hallway

## Walseth, Chase

*NAFTA: Negative effects on Mexico “The positive and*

*negative effects that NAFTA has had on Mexico”.*

### INTL—International Studies

Oral Presentation

2:00–2:20 • CMU 214

## Wallenborn, Jordyn

*Transition from Childhood to Adulthood for Autistic Individuals*

### HLTH—Health

Oral Presentation

1:40–2:00 • CMU 214

## Wallenborn, Jordyn

*Educational Levels Adverse Affect on Health*

### SOC—Sociology

Poster/Display

10:10–10:50 • CMU Basement Hallway

## Walsh, Rachel

*Preliminary genetic analysis of *Lasioglossum (Dialictus) spp.* (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.*

### BIOL—Biology

Poster/Display #26

1:40–2:20 • CMU Basement Hallway

## Walski, Abbey

*The Role of NHE in Directional Cellular Migration*

### BIOL—Biology

Poster/Display #44

2:30–3:10 • CMU 2nd Floor Hallway

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## Weets, Troy

*The Media Wargames of Peter Watkins*

### FILM—Film Studies

Oral Presentation

9:50–10:10 • LO 0102

## Weidman, Cory

*Assessment of Rsk and Rock Phosphorylation  
of NHE1 on Cell Proliferation and Migration.*

### CHEM—Chemistry

Poster/Display #65

9:30–10:10 • CMU Basement Hallway

## Weir, Nicholas

*Magnetic Moment*

### PHYS—Physics

Poster/Display #118

1:00–1:40 • CMU Main Lounge

## Weir, Nicholas

*Recursive Ambiophonic Crosstalk Elimination*

### PHYS—Physics

Poster/Display #122

1:40–2:20 • CMU Main Lounge

## Weir, Nicholas

*Gaussian Accelerator*

### PHYS—Physics

Poster/Display #115

10:10–10:50 • CMU 2nd Floor Hallway

## Welgraven, Christina

*The Virgin of Guadalupe: Syncretic  
Figure of Mexican Catholicism*

### HIST—History

Oral Presentation

9:30–9:50 • LO 0104

## Welin, Emily

*Return to the Farm*

### ENGL—English

Oral Presentation

9:30–1:40 • CMU 101

## Wenner, Jennifer

*Social Referencing During Inauthentic  
Emotional Situations*

### PSY—Psychology

Poster/Display #127

1:40–2:20 • CMU 2nd Floor Hallway

## Wentworth, Melissa

*Wedding Photography by MwPhotography*

### ART—Art and Design

Table Display

3:30–4:10 • CMU 2nd Floor Hallway

## Werk, Joshua

*Whats So Fishy About Fish Oils*

### AT—Athletic Training

Poster/Display #18

3:30–4:10 • CMU 2nd Floor Hallway

## Wicklund, Rebekah

*The Cultural Relevance of Comics*

### ART—Art and Design

Oral Presentation

1:00–2:20 • CMU 203

## Wiczek, Jacob

*Spanish Conquistadors: Society  
Before and After Conquest.*

### HIST—History

Oral Presentation

9:50–10:10 • LO 0104

## Wiest, Andrea

*Preterm Births in the Scope of Epidemiology*

### HLTH—Health

Oral Presentation

10:10–10:30 • CMU 214

## Winter, Jenna

*Cardiovascular Disease*

### NURS—Nursing

Poster/Display #106

9:30–10:10 • CMU Main Lounge

## Wittner, Abbi

*Does Piagetian Cognitive Ability Level Affect  
Student Ability To Accurately Perceive And  
Interpret Environmental Threats?*

### CHEM—Chemistry

Oral Presentation

9:30–9:50 • CMU 207

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## Wohlhuter, Amy

*Methicillin-Resistant Staphylococcus  
Aureus in the Fargo-Moorhead Region*

### HLTH—Health

Oral Presentation

9:30–9:50 • CMU 214

## Wohnoutka, Kyle

*Stratigraphic significance of a fossiliferous  
shale in the lower part of the Raytown  
Limestone Member of the Iola Limestone  
(Upper Pennsylvanian) in eastern Kansas*

### GEOS—Geoscience

Poster/Display #79

1:40–2:20 • CMU 2nd Floor Hallway

## Wold, Lauren

*It's Like A Stoner's Paradise Man*

### SOC—Sociology

Oral Presentation

1:20–1:40 • CMU 208

## Wright, Robert

*University Housing Policy and the Bottom  
Line: Strange Bedfellows or Not?*

### ECON—Economics

Oral Presentation

9:50–10:10 • Ballroom B

## Zenk, Amanda

*The Rights of Indigenous people within the  
framework of International Organizations  
and Non-governmental organizations.*

### INTL—International Studies

Poster/Display #90

2:30–3:10 • CMU 2nd Floor Hallway

## Zeppelin, Jessica

*The Boy with Stumbling Blocks*

### FILM—Film Studies

Oral Presentation

1:20–1:40 • LO 0102

## Theater Performance

**9:30–11:30**

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### STOP KISS

*THTR – Theatre Arts*

Glasrud Auditorium in Weld Hall.

*NOTE: Performance may run over 90 minutes*

Carl Rottman, John Varvin,  
Cheyne King, Ryan Soukup,  
Cortney Schmidkunz, Kimberly  
Miller, Sarah Chamma, Heidi  
Riffle, Meagan Kedrowski,  
Carielle Henry, Amber Bracken,  
Parker Shook, Cheyne King,  
Dustin Beck, Kelly Nelson

## Oral Presentation

**9:30–1:40**

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### An Animal Kingdom of Mishaps

*ENGL – English*

CMU 101

Crystal Pound

### Down the Tracks: An Ecocritical Examination of Progress and Nature from Walden to Today

*ENGL – English*

CMU 101

Matthew Pullen

### Henry David Thoreau's Vision of Man and Nature

*ENGL – English*

CMU 101

Chitrasen Parbhunath

### Return to the Farm

*ENGL – English*

CMU 101

Emily Welin

### The Land of 9,999 Lakes

*ENGL – English*

CMU 101

April Matson

### The Necessity of Nature Writing

*ENGL – English*

CMU 101

Kai Thorstad

## Film Screening

**9:30–9:50**

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### Dead Again: A Senior Seminar Film

*FILM – Film Studies*

LO 0102

Marcus Mann, Scott Tostenrud

## Oral Presentation

**9:30–9:50**

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### Discovering Bangladesh: Halfway Around The World

*CMST – Communication Studies*

CMU 227

Tony Dahlen

### Does Piagetian Cognitive Ability Level Affect Student Ability To Accurately Perceive And Interpret Environmental Threats?

*CHEM – Chemistry*

CMU 207

Amanda Fay, Abbi  
Wittner, David Bye

### Economic Development in Indian Country: Best Practices and Possibilities

*ECON – Economics*

Ballrom B

Glen Marshall

### Fa-So-La: The American Musical Tradition of Sacred Harp

*MUS – Music*

LO 0108

Sarah Libby

### Introducing Tibet

*PHIL – Philosophy*

CMU 216

Sonam Dekyi

### Lasting Projects of the New Deal in Fargo/Moorhead

*ART – Art and Design*

CMU 203

Jessica Lambertz



**MSU**

## PRESENTATIONS LISTED BY TIME

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**Methicillin-Resistant  
Staphylococcus Aureus in the  
Fargo-Moorhead Region**

*HLTH – Health*  
CMU 214

Amy Lavalla, Amy Wohlhuter,  
Brooke Harris, Kirsten  
Nies, Amy LaValla

**The effect of multiple infections of  
a brain-encysting trematode  
on the optomotor response  
of fathead minnows.**

*BIOL – Biology*  
CMU 205

Jessica Michelson

**The Higher Immorality: An  
In-Depth Socio-Historical  
Analysis of Journalism  
in the United States.**

*SOC – Sociology*  
CMU 208

Suzanne Al-Kayali

**The Self in Relation to  
the Other: Recognizing  
Artificial Intelligence as Our  
Equal and as the Divine in  
Science Fiction Films**

*FILM – Film Studies*  
Ballroom D

Simone LeClaire

**The Virgin of Guadalupe:  
Syncretic Figure of  
Mexican Catholicism**

*HLST – History*  
LO 0104

Christina Welgraven

**Toward a Sustainable Textbook  
Future - The Free, Open,  
and Digital Revolution**

*ECON – Economics*  
Ballroom A

Allison Goldberg, Kyle Blake,  
Margaret Olatunbosun

**Poster Displays**

**9:30 – 10:10**

**A Decade of Painted  
Turtle Ecology in Clay  
County, Minnesota What  
Have We Learned?**

*BIOL – Biology*  
Poster #35  
CMU Basement Hallway

DeAnna Rastedt, Ashley D.  
Remmick, Nicole D. Brokmeier,  
Justin A. Olson, Jason L.  
Walker, Jennifer D. Ringgold,  
Sarah E. Martinson

**A New Procedure for the  
Acylation of Pyrazolidinone  
Rings Using Mukayamas Reagent**

*CHEM – Chemistry*  
Poster #63  
CMU Basement Hallway

Amie Nowacki

**A New Procedure for the  
Acylation of Pyrazolidinone  
Rings Using Mukayamas Reagent**

*CHEM – Chemistry*  
Poster #62  
CMU Basement Hallway

Amie Nowacki

**A Novel Method to Generate  
IR Spectra of Solutes  
in Solution State**

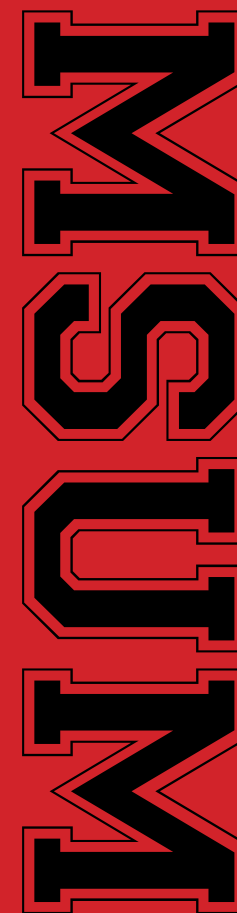
*CHEM – Chemistry*  
Poster #53  
CMU Basement Hallway

Etsehiwot Gebreselassie,  
Ruvimbo Chitemere

**A Test For Phenotypic Plasticity  
In The Ontogeny Of Skeletal  
Ossification In Larvae Of  
Two Species of Cichlids**

*BIOL – Biology*  
Poster #40  
CMU Basement Hallway

Feba Hauer, Kevin Kinter, Alane  
Sauer Jessica Nymark, Kevin Kinter



**PRESENTATIONS  
LISTED BY TIME**

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## **A Transcultural Nursing Experience in Nicaragua**

*NURS – Nursing*

Poster #91

CMU Basement Hallway

Piper DeLaPointe, Heather Erickson, Piper DeLaPointe

## **Acupuncture in our lives**

*AT – Athletic Training*

Poster #25

CMU Basement Hallway

Yusuke Nejo

## **Analyzing a Synecdoche**

*FILM – Film Studies*

Poster #76

CMU Basement Hallway

Nicholas Collins

## **Anemia**

*HLTH – Health*

Poster #84

CMU Basement Hallway

Pragya Devkota, Sunita Thapa, Radha Maharjan

## **Artistic Quality by Beauty and Interestingness**

*PSY – Psychology*

Poster #132

CMU Basement Hallway

Derek Page

## **Artistic Quality by Complexity and Type of Emotion.**

*PSY – Psychology*

Poster #131

CMU Basement Hallway

Grant Cameron

## **Assessment of Rsk and Rock Phosphorylation of NHE1 on Cell Proliferation and Migration.**

*CHEM – Chemistry*

Poster #65

CMU Basement Hallway

Cory Weidman

## **Autonomic Dysreflexia: A life threatening medical condition**

*NURS – Nursing*

Poster #92

CMU Basement Hallway

Sanjog Dhungana, Sachin Bhandari

## **Bacillus**

*BIOL – Biology*

Poster #47

CMU Basement Hallway

Dana Dugger

## **Behavioral modifications of Pimphales promelas infected with the brain parasite Ornithodiplostomum ptychocheilus in response to light cues.**

*BIOL – Biology*

Poster #50

CMU MaIn Lounge

Michelle Toren

## **Bi-Parental Teaching by Fish**

*BIOL – Biology*

Poster #41

CMU MaIn Lounge

Nicole Savageau, Kim Fritel

## **Bragg Scattering and Atomic Force Microscopy**

*PHYS – Physics*

Poster #116

CMU MaIn Lounge

Victoria Honetschlager, Pragalv Karki, Wesley Teo

## **Capstone Experience—BDM Constructors**

*CM – Construction Management*

Poster #70

CMU MaIn Lounge

Bryan Franklin, Michael Kirby, Derek Bomstad

## **Cardiovascular Disease**

*NURS – Nursing*

Poster #106

CMU MaIn Lounge

Jenna Winter

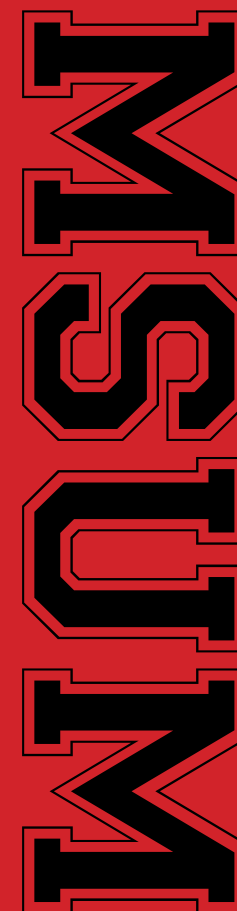
## **Care of a Cancer Patient with Pain**

*NURS – Nursing*

Poster #111

CMU 2nd Floor Hallway

Amanda Volrath



## **PRESENTATIONS LISTED BY TIME**

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## **Caring for Patients in a Transcultural Nursing Setting**

*NURS – Nursing*

Poster #99

CMU 2nd Floor Hallway

Jacquelyn Munson, Lordes Garcia

## **Caring for the Aging Population in a Rural Community: A Nursing Perspective**

*NURS – Nursing*

Poster #107

CMU 2nd Floor Hallway

Kaley Fisk

## **Case study: Antipsychotic Medication Induced Parkinsonism**

*NURS – Nursing*

Poster #103

CMU 2nd Floor Hallway

Arkady Millard

## **Chasing Lincoln's Killer**

*ENGL – English*

Poster #75

CMU 2nd Floor Hallway

Hannah Frink

## **Childhood Obesity**

*HLTH – Health*

Poster #83

CMU 2nd Floor Hallway

Sanju Basnet, Kody Hass, Nabin Dangi, Smita Tankdukar

## **CM496 Downtown Moorhead Project**

*CM – Construction Management*

Poster #68

CMU 2nd Floor Hallway

Anthony Erickson, Adam Brammer

## **Cochlear Implants**

*SLHS – Speech, Language & Hearing Science*

Poster #137

CMU 2nd Floor Hallway

Chelsea McCartney

## **Common Causes and Treatment for Chest Pain**

*NURS – Nursing*

Poster #102

CMU 2nd Floor Hallway

Rachel Carry

## **Common Garden Experiment in Convict Cichlid**

*BIOL – Biology*

Poster #38

CMU 2nd Floor Hallway

Randy Sutrisno, Phillip Schotte

## **Community Acquired Methicillin Resistant Staphylococcus aureus.**

*NURS – Nursing*

Poster #97

CMU 2nd Floor Hallway

Aron Ellingson

## **Comparing a Children's Film to the Literary Work that Inspired It**

*EECE – Elementary and Early Childhood Education*

Poster #74

CMU 2nd Floor Hallway

Amber Short

## **Concussions: Can the effects linger for decades?**

*AT – Athletic Training*

Poster #24

CMU 2nd Floor Hallway

Gregory Martodam

## **Conjugate Addition of Malononitrile to Unsaturated Carbonyls**

*CHEM – Chemistry*

Poster #59

CMU 2nd Floor Hallway

Kiesha Bullock

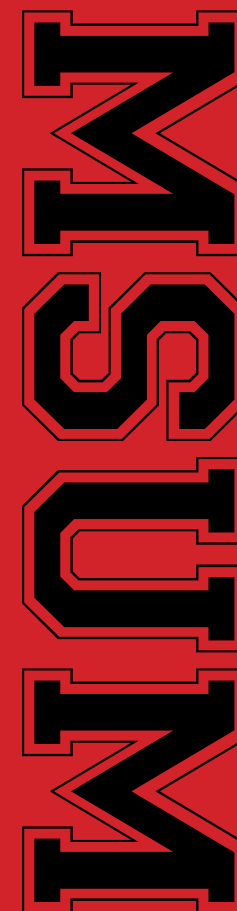
## **Decreasing child mortality in Africa through malaria prevention.**

*HLTH – Health*

Poster #1

CMU Basement Hallway

Arati Gurung, Brittany Harris, Aaron Rassat, Michelle Toren, Fidelia Maninga



## **PRESENTATIONS LISTED BY TIME**

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**Investigation of calcineurin B homologous protein isoform 2 regulation of Na<sup>+</sup>/H<sup>+</sup> exchanger. A potential novel therapeutic target to treat non-small cell lung cancer.**

*CHEM – Chemistry*  
Poster #161  
CMU Basement Hallway

Kristina Anderson

## **Oral Presentation**

### **9:50–10:10**

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**A Critical Analysis of Descartes' Claim that 'Animals are Machines'**

*PHIL – Philosophy*  
CMU 216

Adam Hasbargen

**A Postmodern Pyramid: The Rhetoric in Radiohead's Pyramid Song**

*CMST – Communication Studies*  
CMU 227

Grant Ertl

**A test of a method for mass-training fish for applications in aquaculture.**

*BIOL – Biology*  
CMU 205

Justin Olson

**Disappointing Maternal Death Rates in the United States**

*HLTH – Health*  
CMU 214

Samantha Kundinger, Sara Formanek, Lindsey Michaelson, Heather Morrison

**Fashion Through The Lens**

*ART – Art and Design*  
CMU 203

Traci Burke, Megan Mack

**Generating functions, and their relationship to convergent sequences.**

*MATH – Mathematics*  
CMU 207

Christopher Mehl

**How Employment Opportunities Affect University Retention**

*ECON – Economics*  
Ballroom A

Luke Sperling

**Lineage: Shooting on Location**

*FILM – Film Studies*  
Ballroom D

Joseph Kramer, Tara Kramer

**Spanish Conquistadors: Society Before and After Conquest.**

*HIST – History*  
LO 0104

Jacob Wiczek

**The Media Wargames of Peter Watkins**

*FILM – Film Studies*  
LO 0102

Troy Weets

**The Over Diagnosis of ADHD**

*SOC – Sociology*  
CMU 208

Sky Purdin

**University Housing Policy and the Bottom Line: Strange Bedfellows or Not?**

*ECON – Economics*  
Ballroom B

Robert Wright

**Wagner's Mythology**

*MUS – Music*  
LO 0108

Christopher Tollefson

## **Oral Presentations**

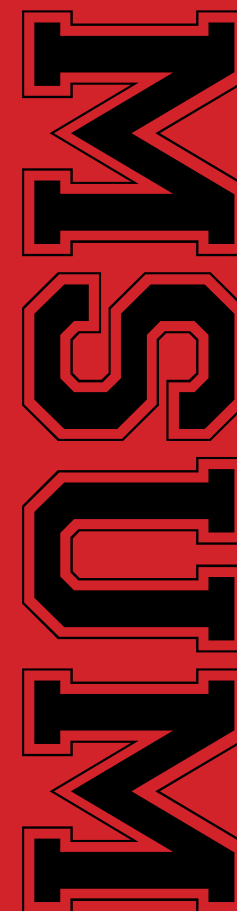
### **10:10–10:30**

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**"Malleable": A Presentation of Sarah Poepping's Photographic Series**

*ART – Art and Design*  
CMU 203

Sarah Poepping



## **PRESENTATIONS LISTED BY TIME**

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## **A Reappraisal of Voice-over Narration**

*FILM – Film Studies*  
LO 0102

**Tyler Sorensen**

## **Bumper Expectations: The Effect of Revenue Insurance on Yield Volatility**

*ECON – Economics*  
Ballrom A

**Nicholas Pates**

## **Do trematode cercariae, Ornithodiplostomum ptychocheilus, employ inclusive fitness by acting as a food source for their intermediate host fathead minnow, Pimephales promelas?**

*BIOL – Biology*  
CMU 205

**Tara Eichhorn**

## **Geometric Constructions Using a Straightedge and a Compass**

*MATH – Mathematics*  
CMU 207

**Madison Brantner,  
Melissa Montbriand**

## **Hideyoshi Toyotomi - Policy and Politics in the Warring States period.**

*HIST – History*  
LO 0104

**Shane Brownell**

## **Identifying characteristics of conspiracy rhetoric in David Ray Griffin's The Mysterious Collapse of World Trade Center 7.**

*CMST – Communication Studies*  
CMU 227

**Matthew Lech**

## **Modern Jazz Bass: Improvisational styles on the double bass**

*MUS – Music*  
LO 0108

**Maxfield Johnk**

## **Preterm Births in the Scope of Epidemiology**

*HLTH – Health*  
CMU 214

**Tiara Bowman, Brittany Sherven, Andrea Wiest**

## **The Relationships between Income and Health Insurance**

*SOC – Sociology*  
CMU 208

**Dustin Beachem**

## **The Social Impact of Chernobyl Disaster**

*HIST – History*  
Oral Presentation  
Ballroom D

**Avantika Singh, Atukoralage Indiwari Perera**

## **Utilizing Microsoft Kinect Controller for Affordable Robotic Navigation**

*PHYS – Physics*  
CMU 216

**Steven Ruckdashel**

## **What factors influence the location decisions of service-sector firms in Minnesota and North Dakota?**

*ECON – Economics*  
Ballrom B

**Laura Lien**

## **Poster Displays 10:10–10:50**

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### **Conjugate Additions to Unsaturated Carbonyls**

Poster/Display

*CHEM – Chemistry*  
Poster #61  
CMU Basement Hallway  
**Pedro Flores Gallardo**

### **Constructing a Walker Robot**

*PHYS – Physics*  
Poster #120  
CMU Basement Hallway  
**Murshid Saqlain**



**MSU**

## **PRESENTATIONS LISTED BY TIME**

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## **Copper(II) Complexes of Pyridine-2, 6-bisamide Ligands**

*CHEM – Chemistry*

Poster #54

CMU Basement Hallway

Kaitlyn Funk, Michelle Branch

## **Cybercrime on Campus**

*ACCT – Accounting*

Poster #2

CMU Basement Hallway

Tharaka Muthukumarana,

Nasheeba Shrestha

## **Cystic Fibrosis**

*AT – Athletic Training*

Poster #22

CMU Basement Hallway

Rachael Ochs

## **Dazed and Confused**

*AT – Athletic Training*

Poster #19

CMU Basement Hallway

Alexandra Mahmood

## **Does medical school cause health issues from stress and anxiety during the course of their schooling?**

*SOC – Sociology*

Poster #140

CMU Basement Hallway

Brittany Harris, Ronak Habib

## **Does population carrying capacity in protists scale exponentially with temperature?**

*BIOL – Biology*

Poster #31

CMU Basement Hallway

Ariel Gray, Ashlyn Kuklock,  
Jaclynn Kuklock

## **Does the amount of how much or how little sleep you get affect your health and overall health, more so for woman or men?**

*SOC – Sociology*

Poster #144

CMU Basement Hallway

Kayla Abele

## **Domestic Violence and Health**

*SOC – Sociology*

Poster #150

CMU Basement Hallway

Rachel Johnson

## **Drifts and Shifts of Influenza Virus and Immune Response**

*BIOL – Biology*

Poster #46

CMU Basement Hallway

Finlay Marube

## **Early Photographic Process: Van Dyke Brown.**

*ART – Art and Design*

Poster #15

CMU Basement Hallway

Kelsey Cain, Madalyn Mickelberg

## **Educational Levels Adverse Affect on Health**

*SOC – Sociology*

Poster #152

CMU Basement Hallway

Chiranthana Dissanayake,  
Jordyn Wallenborn

## **Effects of long-term unemployment on nutrition and health.**

*SOC – Sociology*

Poster #155

CMU Basement Hallway

Chris Engelhorn

## **EM Survey at Historic Moorhead Site**

*ANTH – Anthropology*

Poster #6

CMU Basement Hallway

Ashleigh Day

## **Evidence Based Practice in the Management of Acute Alcohol Detoxification**

*NURS – Nursing*

Poster #104

CMU MaIn Lounge

Courtney Covey



## **PRESENTATIONS LISTED BY TIME**

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**Experimental infection of fat head minnows, Pimphelas promelas, with the brain worm Ornithodiplostomum ptychocheilus, and testing if the infection leads to chemical signals being released from the infected fish**

*BIOL – Biology*

Poster #51

CMU MaIn Lounge

**Kiaja Undersander**

**Exploration of the relationship between the Cassava plant to the Taino people of the Greater Antilles.**

*BIOL – Biology*

Poster #27

CMU MaIn Lounge

**Kimberly Iwen, Nathaniel Jacob Arneson**

**Feeding level and size-pairing impacts on intraspecific competition between fathead minnows**

*BIOL – Biology*

Poster #32

CMU MaIn Lounge

**Harrison Pantera, Brent Vandal**

**Fort “Desolation” ND: Mortuary Analysis and Culture**

*ANTH – Anthropology*

Poster #5

CMU MaIn Lounge

**Larissa Harris, Jenna Clawson**

**Gaussian Accelerator**

*PHYS – Physics*

Poster #115

CMU 2nd Floor Hallway

**Wesley Teo**

**Gender Among The Lakota**

*ANTH – Anthropology*

Poster #9

CMU 2nd Floor Hallway

**Robert Jacobson**

**“Getting to Know You: Differing Perceptions of Online verses Face-to-face Self-Disclosures and Satisfaction in College Females**

*PSY – Psychology*

Poster #130

CMU 2nd Floor Hallway

**Lexi Heringer**

**Government Nutritional Programs: Success of Failure?**

*SOC – Sociology*

Poster #148

CMU 2nd Floor Hallway

**Glen Marshall**

**Graphic Design and the proper way to layout a poster**

*ART – Art and Design*

Poster #13

CMU 2nd Floor Hallway

**Katie Hamness, Kaity O’Malley, Amber Nelson, Jacob Christenson , Whitney Lunn**

**Hands-on cultural learning; the story of a birch bark lodge**

*ANTH – Anthropology*

Poster #8

CMU 2nd Floor Hallway

**Athena Aitken**

**Happiness for a sound mind**

*SOC – Sociology*

Poster #147

CMU 2nd Floor Hallway

**Arati Gurung**

**Health Among the Homeless**

*SOC – Sociology*

Poster #143

CMU 2nd Floor Hallway

**Karryn Schwab**

**Health Literacy and Oncology Patient Education**

*NURS – Nursing*

Poster #95

CMU 2nd Floor Hallway

**Ashley Schmidt**



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## Heath Insurance Coverage and Overall Health

*SOC – Sociology*

Poster #151

CMU 2nd Floor Hallway

Wendy LeBrun

## High-yield synthesis of the semicarbazide adduct of cyanoborane

*CHEM – Chemistry*

Poster #55

CMU 2nd Floor Hallway

Ismael Banla, Taehyun Kim

## HIV/AIDS: The silent threat to humanity.

*HLTH – Health*

Poster #85

CMU 2nd Floor Hallway

Margaret Olatunbosun,  
Durga Rijal, Christelle  
Lokenye, Landon Dybdal

## How does religion, alcohol consumption, and socioeconomic status, affect the overall health of older adults?

*SOC – Sociology*

Poster #156

CMU 2nd Floor Hallway

Rebecca Scott

## How the Belief Involving Prozac Affects Health

*SOC – Sociology*

Poster #154

CMU 2nd Floor Hallway

Chelsea Schmaltz

## How to Make and Use a Pin Hole Camera

*ART – Art and Design*

Table Display

CMU 2nd Floor Hallway

Tiffany Boecker, Kayla  
Lagred, Dan Marsh

## A Disappearing and Reappearing Act: The Iconic Beard of Ancient Egyptian Pharaohs

*ART – Art and Design*

CMU 203

Catherine Wack

## Oral Presentations 10:30 - 10:50

### Alzheimer's Disease

*HLTH – Health*

CMU 214

Jill Marketon, Bobbi Jo Unterseher,  
Katie Kne, Angela Jetvig

## Beautifully Bald: Learning to Live with Alopecia through Self-Disclosure and Friendship

*CMST – Communication Studies*

CMU 227

Brittany Lazur, Courtney Johnson

## Conic Sections in the Taxicab Plane

*MATH – Mathematics*

CMU 207

Alyssa Day, Rachel Thysell

## Detecting How Isotope Decay Affects PET/CT Imaging

*PHYS – Physics*

CMU 216

Kristin Brevik

## Determinants of the Price of Smartphones

*ECON – Economics*

Ballrom A

Robert Eden

## Effect of order of stimulus presentation on releaser-induced recognition learning

*BIOL – Biology*

CMU 205

Tara Eichhorn, Jessica  
A Michelson, Justin A  
Olson, Michelle M Toren,  
Kiaja R Undersander



## PRESENTATIONS LISTED BY TIME

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## Importance of Education and Health

*SOC – Sociology*  
CMU 208

Brian Kariuki

## In-Kind Transfers of Payment

*ECON – Economics*  
Ballroom B

Joseph Bottrell

## Judaism in Late Antiquity

*HIST – History*  
LO 0104

Jose Ledezma

## Make a Jazz Noise Here: The Music of Frank Zappa

*MUS – Music*  
LO 0108

Scott Kendall

## The Psychology of Documentary Design

*FILM – Film Studies*  
LO 0102

Sarah Palm

## On the Trash Trail

*GEOS – Geoscience*  
Ballroom D

Michael Schreifels

## Theatre Performance

**1:00–1:45**

### IF YOU GIVE A MOUSE A COOKIE

*THTR – Theatre Arts*  
Gladsrud Auditorium in Weld Hall

John Vavrin, Cheyne King,  
Ryan Soukup, Courtney  
Schmidkunz, Erin Granger

## Oral Presentations

**1:00–1:20**

### “The Unseen”

*FILM – Film Studies*  
LO 0102

Ashley Alsum

## Childhood Obesity

*HLTH – Health*  
Oral Presentation  
Ballroom D  
Karryn Schwab, Shekhar Pandey,  
Alisha Olson, Courtney Swanson

## Colon Cancer

*HLTH – Health*  
CMU 214

Kristen Bongard, Sagun Shahi,  
Lhemi Lama, Jessica Fjeld

## Effects of Employment on Minnesota State University Moorhead Students’ Grades

*ECON – Economics*  
Ballroom B

Rachel Metzger

## Every Drop Counts: An Analysis of International Water Markets and Pricing Policies

*ECON – Economic*  
Ballroom A

Jacob Larsen

## Form to Form: Music and Art in the Baroque

*MUS – Music*  
LO 0108

Cory Sailer

## Human Security and Societal Security Concerns in Post-Taliban Afghanistan

*POL – Political Science*  
CMU 207

James Sieben

## Modulated Signal Transfer

*PHYS – Physics*  
CMU 216

Benjamin Forsythe

## Organics and Inorganics of America and Costa Rica

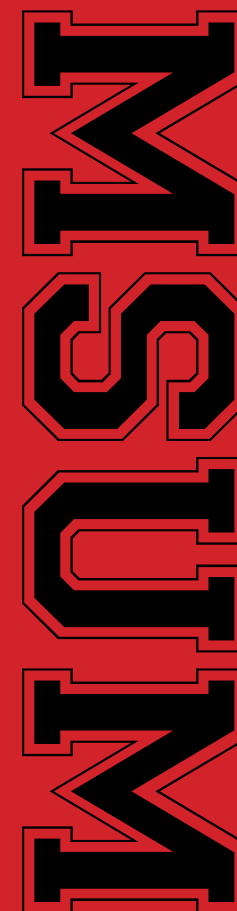
*BIOL – Biology*  
CMU 205

Lindsay Mitlyng, Jennifer Kelley

## Pancho Villa and the Mexican Revolution

*HIST – History*  
LO 0104

Jose Ledezma



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## Volunteering: All Paws Down

CMST – Communication Studies  
CMU 227

Katelin Hansen, Kathrine  
Cork, Keely Huso

## Oral Presentations

1:00–2:20

### Earth Art of the 1960s and 70s

ART – Art and Design  
CMU 203

Lewis Burris

### Just Do It: Nike's Takeover of Sports Design and Marketing

ART – Art and Design  
CMU 203

Addie Borgh

### The Cultural Relevance of Comics

ART – Art and Design  
CMU 203

Rebekah Wicklund

### The Direction of Interactive Design

ART – Art and Design  
CMU 203

Jacob Christenson

## Poster Displays

1:00–1:40

### Impact of NHE1 Phosphorylation by Ribosomal S-6 kinase and RhoA kinase on ERM binding and cell motility

CHEM – Chemistry  
CMU 2nd Floor Hallway

Tony Nguyen

### How to Prevent Internal Fraud

ACCT – Accounting  
Poster #3  
CMU Basement Hallway

Thomas George, Alexander Hajicek

### How you Read to Kids Matters: Efficacy of Specific Techniques in Repeated Read Alouds

PSY – Psychology  
Poster #128  
CMU Basement Hallway

Christine Hollermann,  
Lyndsey Roy, Katie Engberg

### In Silico Analysis and Molecular Dissection of the PPK2:PKR Interaction

BIOL – Biology  
Poster #28  
CMU Basement Hallway

Mitchell Lakner, Sara Aleem,  
Nivedha Manohar

### In vivo EPR signal reduction of spin-labeled free radicals in living mice

CHEM – Chemistry  
Poster #64  
CMU Basement Hallway  
Victoria Honetschlager

### Investigations of biochemical and molecular mechanisms of systemic acquired resistance in *Cucumis sativus*

BIOL – Biology  
Poster #30  
CMU Basement Hallway  
Natalia Belavina

### KAATSU Training

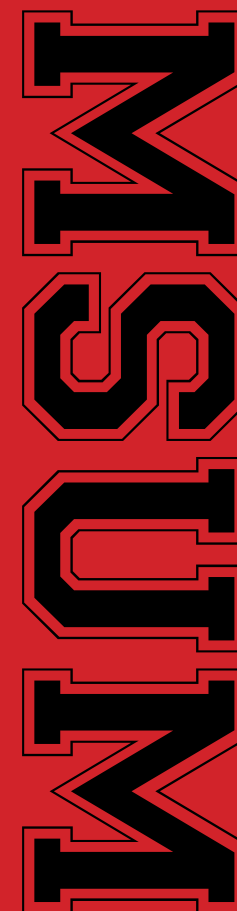
AT – Athletic Training  
Poster #21  
CMU Basement Hallway  
Takuto Kondo

### Labor and Delivery Nursing: A Student's Perspective

NURS – Nursing  
Poster #112  
CMU Basement Hallway  
Carmen Parsley

### Liking and Eroticism in Evaluations of the Visual Arts

PSY – Psychology  
Poster #133  
CMU Basement Hallway  
Dylan O'Brien



## PRESENTATIONS LISTED BY TIME

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## **Lyme Disease Prevalence in South-Eastern North Dakota**

*BIOL – Biology*

Poster #43

CMU Basement Hallway

Daisy Boatey

## **Magnetic Moment**

*PHYS – Physics*

Poster #118

CMU MaIn Lounge

Alycia Bergeson, DJ

Houk, Nicholas Weir

## **Magnetic Susceptibility and the Superconducting Transition**

*PHYS – Physics*

Poster #117

CMU MaIn Lounge

Christopher Moore

## **Match.com-What's your blood group?**

*BIOL – Biology*

Poster #48

CMU MaIn Lounge

Heather Sorenson

## **Measuring NHE activity with fluorescence microscopy.**

*CHEM – Chemistry*

Poster #67

CMU MaIn Lounge

Nicholas Berthelsen

## **Media's Influence on Body Image: An Eye Tracking Study**

*PSY – Psychology*

Poster #126

CMU MaIn Lounge

Jennifer Livingood,

Jacquelyn Schmidt

## **Medical-Surgical Nursing**

*NURS – Nursing*

Poster #105

CMU 2nd Floor Hallway

Molly Moenkedick

## **Migraines**

*AT – Athletic Training*

Poster #23

CMU 2nd Floor Hallway

Mark McIntire

## **Music-Induced Hearing Loss and the Collegiate Musician**

*SLHS – Speech, Language & Hearing Science*

Poster #138

CMU 2nd Floor Hallway

Maria Lendobeja

## **Music's Effect on Helping Behavior in Second Life**

*PSY – Psychology*

Poster #124

CMU 2nd Floor Hallway

Ethan Dahl, Casey Lloyd

## **Neologisms: the death of English and birth of new American**

*ANTH – Anthropology*

Poster #10

CMU 2nd Floor Hallway

Eric Olson

## **Nickel Partitioning**

*GEOS – Geoscience*

Poster #77

CMU 2nd Floor Hallway

Jordana Anderson, Samantha

Buhr, Timothy Erickson

## **Noodles And Company**

*CM – Construction Management*

Poster #72

CMU 2nd Floor Hallway

Phillip Eslinger, John

Bell, John Bellon

## **Nuclear Magnetic Resonance**

*PHYS – Physics*

Poster #121

CMU 2nd Floor Hallway

Christopher Moore

## **Nursing Around the World: One Student's Experience in Guatemala**

*NURS – Nursing*

Poster #98

CMU 2nd Floor Hallway

Alena Deutschlander, Heidi Banick



**MSU**

## **PRESENTATIONS LISTED BY TIME**

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**Nursing Care After A  
Coronary Artery Bypass Graft:  
Preventing Complications**

*NURS – Nursing*

Poster #108

CMU 2nd Floor Hallway

Aimee Laurencelle

**Relationship of man-made  
chemicals and human health**

*SOC – Sociology*

CMU 2nd Floor Hallway

Neville Lambourne

**Oral Presentations  
1:20–1:40**

---

**An Assessment on the  
Republican Candidates  
for the 2012 Election.**

*CMST – Communication Studies*

CMU 227

Danielle Saul

**Emergence of Antiviral Drug  
Resistance in Herpesviruses**

*BIOL – Biology*

CMU 205

Jasen Walker

**Hugo Chavez - The rise  
of a new age dictator**

*HIST – History*

LO 0104

Dominique Rolando

**It's Like A Stoner's Paradise Man**

*SOC – Sociology*

CMU 208

Jennifer Harzke, Lauren Wold

**John Coltrane's quest  
for a freedom**

*MUS – Music*

LO 0108

Yuki Harada

**Millennium Development Goals  
& Their Impact in Contemporary  
Africa:Healing the Heart of  
Darkness, or skirting it?**

*POL – Political Science*

CMU 207

Kyle Evens

**Sickle Cell Anemia**

*HLTH – Health*

CMU 214

Christian Nwabufo, Emmanuel  
Fohle, Smita Tandukar,  
Collins Max Jerry

**The Boy with Stumbling Blocks**

*FILM – Film Studies*

LO 0102

Jessica Zeppelin

**The U.S. Corporate Tax System:  
Is Uncle Sam Encouraging  
Investment Abroad?**

*ECON – Economics*

Ballroom A

Peter McCallum

**Oral Presentations**

**1:20–1:50**

---

**Post High School Aspirations  
of American Indian Students**

*PSY – Psychology*

CMU 216

Andrea Stenson, Raina  
Heruth, Jered Pigeon

**Oral Presentations  
1:20–2:00**

---

**The Years- An Exploration  
of Feminist Film**

*FILM – Film Studies*

LO 0101

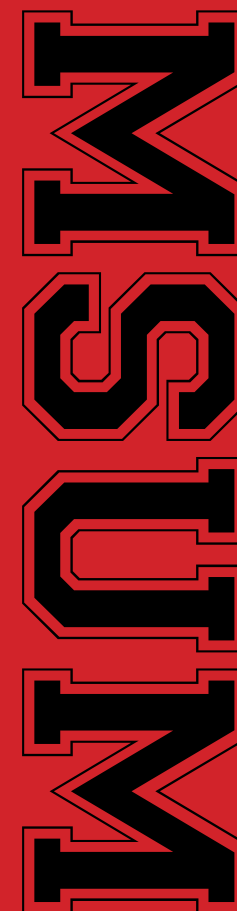
Kristen Conaty, Ivan Clow

**Investigation of calcineurin B  
homologous protein isoform  
2 regulation of Na<sup>+</sup>/H<sup>+</sup>  
exchanger. A potential novel  
therapeutic target to treat  
non-small cell lung cancer.**

*CHEM – Chemistry*

Ballroom D

Kristina Anderson



**PRESENTATIONS  
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## Oral Presentations

**1:40–2:00**

---

### **“A Fine Frenzy”: Gender Dynamics in “A Midsummer Night’s Dream”**

*ENGL – English*  
CMU 101

Vanessa Perkins

### **Duke Ellington: A True Innovator**

*MUS – Music*  
LO 0108

Jordan Christianson

### **Hunger-Something to Grumble About**

*CMST – Communication Studies*  
CMU 227

Rebecca Spanier, Karly Mackedanz

### **Redecorating Film Adaptation: Problems and Possibilities**

*FILM – Film Studies*  
LO 0102

Jesse Balzer

### **Refugees, Opportunities, and Fargo: An Economic Relationship**

*ECON – Economics*  
Ballroom A

Vaneesha Dusoruth

### **Role of Women in the Third Reich**

*HIST – History*  
LO 0104

Corinne Edgerton

### **Shopping at Farmers Markets vs. Large Supermarkets**

*BIOL – Biology*  
CMU 205

Phillip Schotte, Heather North

### **The Internet and International Security**

*POL – Political Science*  
CMU 207

Nathan Mack

### **Transition from Childhood to Adulthood for Autistic Individuals**

*HLTH – Health*  
CMU 214

Chiranthana Dissanayake, Kristin Grenz, Tyler Carson, Adam Kappes, Jordyn Wallenborn

## Workshop

**1:40–2:10**

---

### **Make the next facebook: Developing a webapp on Google App Engine**

*CSIS – Computer Science and Information Systems*  
Ballroom D

Sri Krishna Kadimisetty

## Poster Displays

**1:40–2:20**

---

### **Obesity in the United States**

*HLTH – Health*  
Poster #82

CMU Basement Hallway

Sara Meidinger, Isaac Thomas, Carly Helfrich, Kaeley Troyer

### **Obstetric Nursing**

*NURS – Nursing*

Poster #109

CMU Basement Hallway

Lindsey Imdieke

### **Parental teaching by fish biparental**

*BIOL – Biology*

Poster #39

CMU Basement Hallway

Kim Fritel, Nicole Savageau

### **Petrichor Images: Vanessa Gamelin Photography**

*ART – Art and Design*

Poster #17

CMU Basement Hallway

Vanessa Gamelin

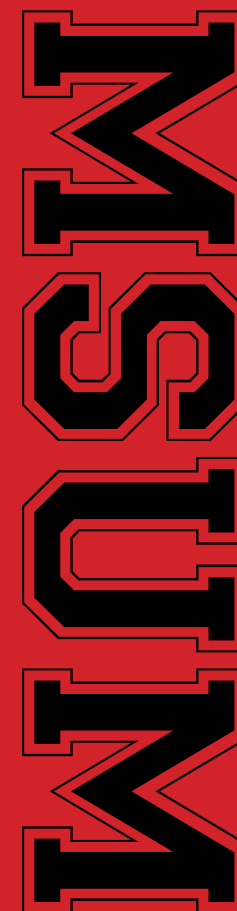
### **Prehistoric Settlement in Swift County, Minnesota**

*ANTH – Anthropology*

Poster #11

CMU Basement Hallway

Katie Jacobson



## PRESENTATIONS LISTED BY TIME

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**Preliminary genetic analysis of Lasioglossum (Dialictus) spp. (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.**

*BIOL – Biology*

Poster #26

CMU Basement Hallway

Nancy Stenger, Karsten Nash,  
Rachel Walsh, Emmanuel  
Fohle, Angela Mccollam

**Preparation of Imino Esters and Investigation of their Conjugate Additions to Unsaturated Carbonyls**

*CHEM – Chemistry*

Poster #60

CMU Basement Hallway

Arjun Kafle

**Preparation of Tetrahydroisoquinoline-Derived Azomethine Ylide Dipoles and Investigation of their Cycloaddition to Unsaturated Acyl Pyrazolidinones**

*CHEM – Chemistry*

Poster #57

CMU Basement Hallway

Zachary Morseth

**Preserving the Past for the Future: Curation in Archaeological Practice**

*ANTH – Anthropology*

Poster #4

CMU Basement Hallway

Brett Tanselle, Danielle Truitt

**Prevent Deep Vein Thrombosis on a Medical/Surgical Flood**

*NURS – Nursing*

Poster #110

CMU Basement Hallway

Alicia Saue

**Preventing Post-Surgical Complications**

*NURS – Nursing*

Poster #101

CMU MaIn Lounge

Courtney Conyers

**Public Health Nursing in Guatemala**

*NURS – Nursing*

Poster #100

CMU MaIn Lounge

Lourdes Garcia

**Recursive Ambiphonic Crosstalk Elimination**

*PHYS – Physics*

Poster #122

CMU MaIn Lounge

Nicholas Weir

**Science Discovery Camp for Middle School Students**

*BIOL – Biology*

Poster #29

CMU MaIn Lounge

Mitchell Lakner, Renek Jorgenson

**Shared Sounds and Spellings Affect Explicit and Implicit Memory Tests**

*PSY – Psychology*

Poster #125

CMU MaIn Lounge

Farryn Helm, Carole Bracshayko

**Shining a Light on Acne**

*BIOL – Biology*

Poster #49

CMU 2nd Floor Hallway

Sabrina Sam

**Should I Stay or Should I go?: Positive Illusions, Jealousy, and Commitment in Romantic Relationships**

*PSY – Psychology*

Poster #129

CMU 2nd Floor Hallway

Lisa Dowers

**Social Referencing During Inauthentic Emotional Situations**

*PSY – Psychology*

Poster #127

CMU 2nd Floor Hallway

Jennifer Wenner, Allyson  
Schann, Natalie Avey



**PRESENTATIONS  
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## Stabilization of Carbon Emissions

*HON – Honors*

Poster #87

CMU 2nd Floor Hallway

Jessica Belden

## Stratigraphic significance of a fossiliferous shale in the lower part of the Raytown Limestone Member of the Iola Limestone (Upper Pennsylvanian) in eastern Kansas

*GEOS – Geoscience*

Poster #79

CMU 2nd Floor Hallway

Scott Flores, Kyle Wohnoutka,  
Gerardo Rodriguez, Kaitlyn Nelson

## Sub-Zero Contractor's Recreational Renovation

*CM – Construction Management*

Poster #69

CMU 2nd Floor Hallway

Jordan Korczak, Kelly  
Ham, Justin Filas

## Substance Abuse and Its Effects on the Population: An Epidemiological Approach.

*HLTH – Health*

Poster #81

CMU 2nd Floor Hallway

Carly Kalina, Jenna Peper,  
Kabina Chaulagain

## Supercross Track

*CM – Construction Management*

Poster #71

CMU 2nd Floor Hallway

Christopher Roach, Zachary Hill,  
Anup Adhikari, Ryan Seidel

## Synthesis and Characterization of a Dye-Sensitizer

*CHEM – Chemistry*

Poster #52

CMU 2nd Floor Hallway

Samantha Stewart-  
James, Gifty Fokuo

## Synthesis of a new Cyanoborane polymer with a trigonal planar boron.

*CHEM – Chemistry*

Poster #56

CMU 2nd Floor Hallway

Taehyun Kim , Ismael Banla

## Oral Presentations 1:50–2:10

### Los Pazos de Ulloa and the Naturalism Movement in Spain

*SPAN – Spanish*

CMU 216

Kelsey Indergaard

## Oral Presentations

### 2:00–2:20

---

### "Where is the Duende?": An Approach to Understanding Poetry for All Readers

*ENGL – English*

CMU 101

Logan Herold

### Does the National Basketball Association's Soft Salary Cap Increase Competitive Parity?

*ECON – Economics*

Ballrom A

Kegan Reiswig

### Living Learning Communities and retention rate.

*CMST – Communication Studies*

CMU 227

Allison Berger, Jeanne  
Hettich, James Borgen

### Money Doesn't Grow on Trees: The environmental, economic, and global costs of deforestation in Costa Rica.

*BIOL – Biology*

CMU 205

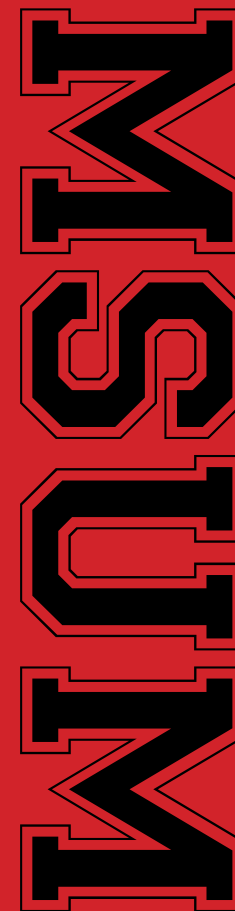
Danielle Kuperus, Nancy Stenger

### Music on the Brain

*MUS – Music*

LO 0108

James Sandifer



## PRESENTATIONS LISTED BY TIME

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**NAFTA: Negative effects on Mexico “The positive and negative effects that NAFTA has had on Mexico”**

*INTL – International Studies*  
CMU 214

Chase Walseth

**Naturschutz: Policy or Excuse? Examining the Environmental Policies of Germany’s Nazi Regime.**

*HIST – History*  
LO 0104

Ashley St Sauver

**The Extra-Amazing Adventures of Extraman and Extragirl**

*FILM – Film Studies*  
LO 0102

Craig Larson, Mitchell Miller, Nathan Bergeson

**Poster Displays**  
**2:00–2:40**

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**Improved Procedures for the N-Alkylation of Pyrazolidinone Rings Using Aldehydes and Sodium Borohydride**

*CHEM – Chemistry*  
Poster #58  
CMU Basement Hallway

Jasen Walker

**Oral Presentations**  
**2:10–2:30**

---

**Shakespeare’s The Merry Wives of Windsor: Adapting Shakespeare for Contemporary Audiences**

*THTR – Theatre Arts*  
CMU 216

Maggie Olson

**Theatre Performance**  
**2:30–4:40**

---

**The Musical of Musicals**

*THTR – Theatre Arts*  
Gaede Theatre

Tariq Muwahid, Klarissa Pudwill, Tierney Michon, Sarah Dewhirst, Nicholas Kaspari, Matthew Englund, Caroline Stommes, Nikko Raymo, Holli Richgels, Chandler Cline, James Stenger, Sara Hysjulien, Heidi Riffle, Meagan Kedrowski, William Schnase, Dustin Beck

**Oral Presentations**  
**2:30–2:50**

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**Benito Juarez**

*HIST – History*  
LO 0104

Fidelia Maninga

**Expansion Outlook: Fergus Falls, MN**

*ECON – Economics*  
Ballroom A

Laura Trosdahl

**Farming Techniques in Costa Rica vs. United States**

*BIOL – Biology*  
CMU 205

Jacinta David, Joanna Lock, Jase Beck

**Fundamentals of Play Directing**

*THTR – Theatre Arts*  
Ballroom D

Alexander Holmquist

**Ganga Ma: Revered by millions, polluted by all**

*INTL – International Studies*  
CMU 214

Laren Lamb

**Hijacking Cultural Momentum: Steinbeck’s Use of the Archetypal Image of Christ in The Grapes of Wrath**

*ENGL – English*  
CMU 101

Michael Lobdell



**PRESENTATIONS LISTED BY TIME**

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## Honors Apprentices: Service and Challenge

*HON – Honors*  
CMU 227

Janet Aarness, Nick Enger,  
Dom Rolando, Jessy Belden

## The New Performer Modern performance in classical music

*MUS – Music*  
LO 0108

Eric Guttormson

## “The Power Of Questions: Divergent Thought in the 21st Century”

*ART – Art and Design*  
CMU 203

Moriah Thielges

## The responsibility to protect as an emerging norm of international law

*POL – Political Science*  
CMU 207

Christopher Kettering

## “The Surviving Chinese Jewish Community”

*HIST – History*  
CMU 216

Eric Rothberg

## Oral Presentations 2:30–3:30

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### Film 472 Advanced Video Production Client Videos

*FILM – Film Studies*  
LO 0101

Heather Alvar, Joshua  
Resch, Benjamin Pimlott

### The Unseen: A Senior Seminar Film

*FILM – Film Studies*  
LO 0102

Kathleen Kretchmer

## Poster Displays 2:30–3:10

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### Television’s Impact on Health

*SOC – Sociology*  
Poster #142  
CMU MaIn Lounge

Kristen Bongard, Erin Durken

### Testing Inheritability of Shy/Bold Personality Traits in Zebrafish Offspring

*BIOL – Biology*  
Poster #37  
CMU MaIn Lounge

Cory Sailer, Sonny Radenic,  
Randy Sutrisno

### The affects of exotic earthworms on Big Bluestem, Andropogon gerardii, prairie plants

*BIOL – Biology*  
Poster #36  
CMU MaIn Lounge

Amy Moorhouse, Brittany Beers

### The Effect of Internet Use on Health

*SOC – Sociology*  
Poster #149  
CMU MaIn Lounge

Briana Magrum

### The effect of prone positioning in patients with Acute Respiratory Distress Syndrome (ARDS).

*NURS – Nursing*  
Poster #113  
CMU MaIn Lounge

Molly Breen

### The Future of Time Perspective

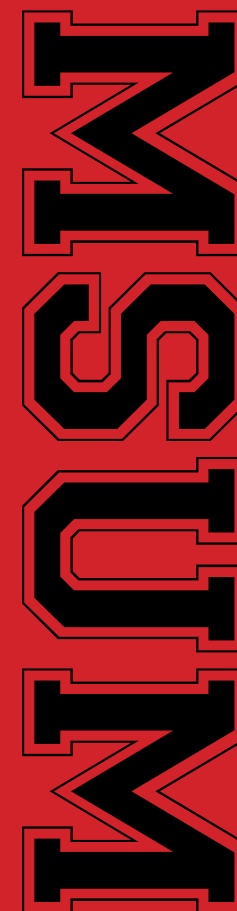
*PSY – Psychology*  
Poster #134  
CMU MaIn Lounge

Dylan O’Brien

### The IMF and the Third World

*POL – Political Science*  
Poster #123  
CMU MaIn Lounge

Dustin Sobolik



## PRESENTATIONS LISTED BY TIME

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### **The Influence of Alcohol Use on Health**

*SOC – Sociology*  
Poster #145  
CMU MaIn Lounge

**Jenna Peper**

### **The Relationship Between Poverty, Social Class, and Overall Health**

*SOC – Sociology*  
Poster #139  
CMU MaIn Lounge

**Amy Thorson, Shannon Grossman**

### **The Relationship between the number of hours of Television watched and one's Health**

*SOC – Sociology*  
Poster #141  
CMU MaIn Lounge

**Kristen Bongard, Erin Durken**

### **The Relationship with Smoking and your Health**

*SOC – Sociology*  
Poster #146  
CMU 2nd Floor Hallway

**Cynthia Marier**

### **The Rights of Indigenous people within the framework of International Organizations and Non-governmental organizations.**

*INTL – International Studies*  
Poster #90  
CMU 2nd Floor Hallway

**Amanda Zenk**

### **The Role of NHE in Directional Cellular Migration**

*BIOL – Biology*  
Poster #44  
CMU 2nd Floor Hallway

**Abbey Walski**

### **The Role of NHE1 Transmembrane Protein in Stress Fiber Formation**

*CHEM – Chemistry*  
Poster #66  
CMU 2nd Floor Hallway

**Rubi Gutierrez**

### **The significance of the RSK and ROCK phosphorylation sites of NHE1 and their role in the regulation of cellular migration**

*BIOL – Biology*  
Poster #45  
CMU 2nd Floor Hallway

**Andrew Dornbusch**

### **The Spanish Immersion Classroom and Beyond: An Investigation of Vocabulary Discrepancies**

*PSY – Psychology*  
Poster #136  
CMU 2nd Floor Hallway

**Jessica Remhof**

### **The Unknown Work of Vivian Maier**

*ART – Art and Design*  
Poster #16  
CMU 2nd Floor Hallway

**Julian Dahlquist**

### **There is More to Panama than the Panama Canal**

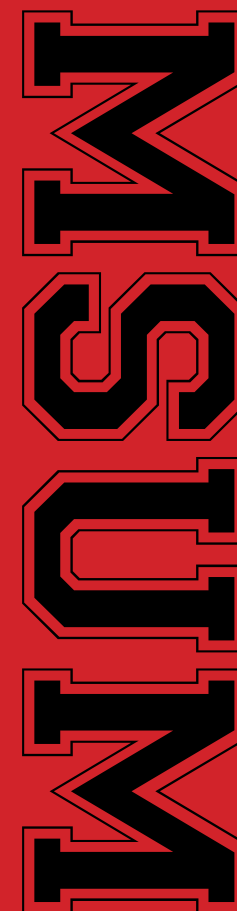
*GEOS – Geoscience*  
Poster #78  
CMU 2nd Floor Hallway  
**Paige Erickson, Margaret Casey**

### **Oral Presentations 2:50–3:10**

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### **Comic Robots in Sci-Fi Films Or I Know What You Did Last Childhood**

*FILM – Film Studies*  
LO 0102  
**Fernanda deOliveira**



### **PRESENTATIONS LISTED BY TIME**

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## Increased Sales in the Fourth Quarter: How Wal-Mart's Sales Impact the Retail Industry

*ECON – Economics*  
Ballrom A

Aaron Ato-Davies

## Li Hung-Chang, Sergei Witte and the Chinese Eastern Railway, 1887-1900

*HIST – History*  
LO 0104

Bradley Madsen

## Nepal's Survival between two Giants(Nepal's foreign policy strategies vis-a-vis India and China)

*INTL – International Studies*  
CMU 208

Sunil Paudel

## The Internet and Pedophiles: Are Your Children at Risk?

*MC – Mass Communications*  
CMU 227

Taunia Tiegs-Marquardt

## The Undeclared Student: Exploration and Strategies

*ENGL – English*  
CMU 101

Kimberly Ehrlich

## Tribal Governments and the Effects of the U.S. Political System

*POL – Political Science*  
CMU 207

Sarah Butrum

## What's that Noise?

*MUS – Music*  
LO 0108

Aaron Thuen

## Debate 2:50–3:20

### Designer Babies

*CCGE – Corrick Center for General Education*  
CMU 205

Alyssa Olson, Shana Heuer,  
Caitlyn Holowell, Ivy  
Schueller, Yalonda Nelson

## Oral Presentations 3:10–3:20

### Behind the Sound: An Inside Look at Live Audio Production

*MUS – Music*  
LO 0108

David Kolar

## Oral Presentations 3:10–3:30

### A closer look into the hydroelectricity projects of Nepal

*INTL – International Studies*  
CMU 208

Bibhusa Karki

### k-Gibonacci Numbers and Permutation Statistics

*MATH – Mathematics*  
CMU 207

Jonathan Rue

### The Role of Trade and Foreign Direct Investments in the Economic Growth of Sub-Saharan African Countries.

*ECON – Economics*  
Ballrom A

Zuweina Mohamed

### White Science Fiction of America

*FILM – Film Studies*  
LO 0102

Hotaka Demura



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## **Oral Presentations**

### **3:10–3:40**

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#### **How Atheists Can Get Into Heaven: Christopher Hitchens and the Catholic Church**

*ENGL – English*  
CMU 101

John Goerke

#### **Marketing Electric Bikes in Canada: An overview of the Canadian Market**

*MKTG – Marketing*  
CMU 227

Grant Hagen

## **Oral Presentations**

### **3:20–3:40**

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#### **Forensic Accounting: A Research Study**

*ACCT – Accounting*  
LO 0108

Sujata Sherchan, Aisha  
Mohamed, Mallika Koirala

#### **Moorhead Gangs**

*CJ – Criminal Justice*  
CMU 203

Crystal Smith

## **Oral Presentations**

### **3:30–3:50**

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#### **Analyzing Human Rights in Science Fiction Films**

*FILM – Film Studies*  
LO 0102

Conor Holt

#### **Construction Management Capstone Experience - Multi-unit housing development**

*CM – Construction Management*  
CMU 207

Corey Bronczyk, Joshua  
Ridler, Lucas Menton

#### **Guatemala's Road to Development: An Economic Assessment.**

*ECON – Economics*  
Ballroom A

John Thein

#### **The Specter of Intervention: British Foreign Policy Pertaining to the American Civil War**

*HIST – History*  
LO 0101

Eugene Branstiter

#### **The Unseen: A Senior Seminar Film**

*FILM – Film Studies*  
LO 0102

Kathleen Kretchmer

## **Poster Displays**

### **3:30–4:10**

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#### **Transcultural Nursing in Guatemala**

*NURS – Nursing*  
Poster #93  
CMU Main Lounge

Lindsay Krabbenhoft,  
Shelby Doris Rossow

#### **Transcultural Nursing in Guatemala**

*NURS – Nursing*  
Poster #94  
CMU Main Lounge

Shelby Rossow, Lindsay  
Margaret Krabbenhoft

#### **Transcultural Nursing; What I thought I knew, what I learned, and the differences.**

*NURS – Nursing*  
Poster #96  
CMU Main Lounge

Susan Ross

#### **Transition to Sustainable Energy**

*ECON – Economics*  
Poster #73  
CMU Main Lounge

Fariha Rahman



## **PRESENTATIONS LISTED BY TIME**

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## Understanding the neurological basis of LSD

*BIOL – Biology*

Poster #42

CMU MaIn Lounge

Manasvi Kulshrestha

## Urban Canada Geese in Moorhead, Minnesota: How Many are Too Many?

*BIOL – Biology*

Poster #33

CMU MaIn Lounge

DeAnna Rastedt, Kyle Kosak,  
Christina Sadowski

## Urban Turkeys: Survey of Wild Turkey Distribution and Numbers, Human-Turkey Interactions, and Public Opinion in the Red River Valley in Cass (North Dakota) and Clay (Minnesota) Counties (2003-2010)

*BIOL – Biology*

Poster #34

CMU MaIn Lounge

DeAnna Rastedt, Ashley D.  
Remmick, Jasen L. Walker

## Virtual Sexual Aggression: The Real Life Correlates of BDSM and Rape Simulations in Second Life

*PSY – Psychology*

Poster #135

CMU MaIn Lounge

Kelsey Johnson

## Vocal Cord Disorder: The Mistaken Wheeze

*AT – Athletic Training*

Poster #20

CMU MaIn Lounge

Amber Brandenburger

## Water contamination and health

*SOC – Sociology*

Poster #153

CMU MaIn Lounge

Samuel Getty

## Wet Site Archaeology: An Overview.

*ANTH – Anthropology*

Poster #7

CMU 2nd Floor Hallway

Sara Kram

## Whats So Fishy About Fish Oils

*AT – Athletic Training*

Poster #18

CMU 2nd Floor Hallway

Joshua Werk

## Wine to Water

*INTL – International Studies*

Poster #89

CMU 2nd Floor Hallway

Sunil Paudel

## Women Rights and Gender Inequality in Afghanistan.

*INTL – International Studies*

Poster #88

CMU 2nd Floor Hallway

Richa Upadhyay

## Women's health-human papillomavirus

*NURS – Nursing*

Poster #114

CMU 2nd Floor Hallway

Tonia Lofgren

## X-ray spectroscopy

*PHYS – Physics*

Poster #119

CMU 2nd Floor Hallway

Dillon , Ishan Mani Subedi

## Table Display 3:30–4:10

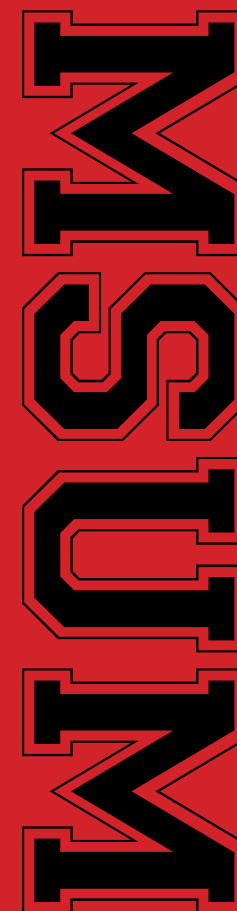
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## Wedding Photography by MwPhotography

*ART – Art and Design*

CMU 2nd Floor Hallway

Melissa Wentworth



## PRESENTATIONS LISTED BY TIME

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