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# PROCEEDINGS



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# STUDENT RESEARCH **COLLOQUIUM**

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# 2017

TUESDAY, APRIL 18, 2017

ATWOOD MEMORIAL CENTER



ST. CLOUD STATE  
U N I V E R S I T Y



# 2017 STUDENT RESEARCH COLLOQUIUM AT A GLANCE

## TUESDAY, APRIL 18, 2017

7:30 am - 3:30 pm	Registrations <i>Outside the Atwood Ballroom</i>
8:00 am - 9:20 am	Oral Session – 1 <i>Glacier North, Glacier South, Voyageurs North, Alumni, Cascade</i>
8:30 am - 10:00 am	Poster Session – 1 <i>Atwood - Ballroom</i>
9:00 am - 2:00 pm	Creative Works <i>Gallery, Ballroom A</i>
9:30 am - 9:50 am	Performance <i>Theatre</i>
9:30 am - 10:50 am	Oral Session – 2 <i>Glacier North, Glacier South, Voyageurs North, Voyageurs South, Alumni, Cascade</i>
11:00 am - 12:30 pm	Poster Session – 2 <i>Atwood - Ballroom</i>
11:00 am - 12:20 pm	Oral Session – 3 <i>Glacier North, Glacier South, Voyageurs North, Voyageurs South, Alumni, Cascade</i>
12:30 pm - 1:50 pm	Oral Session – 4 <i>Glacier North, Glacier South, Voyageurs North, Voyageurs South, Alumni, Cascade</i>
1:30 pm - 3:00 pm	Poster Session – 3 <i>Atwood - Ballroom</i>
2:00 pm – 2:20 pm	Performance <i>Theatre</i>

2:00 pm - 3:20 pm	Oral Session – 5 <i>Glacier North, Glacier South, Voyageurs North, Voyageurs South, Alumni, Cascade</i>
3:30 pm - 4:30 pm	Panel Discussion <i>Theatre</i>
4:30 pm - 6:00 pm	Closing Ceremony <i>Cascade</i>

## 2017 STUDENT RESEARCH COLLOQUIUM DETAILED SCHEDULE - APRIL 18, 2017

### Alumni 8:00 - 9:20 am Oral Presentation Moderator: Kelly Branam Macauley

<u>Time</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
8:00 AM	Field Validation of MALDI-ToF	Nusrat Jahan	Ryan Fink	O7
8:20 AM	Antecedents and Outcomes of Employee Repatriation Adjustment: A Meta-Analytic Review	Catherine Hoepner, Nathaniel Van Heuveln	Daren Protolipac	O4
8:40 AM	Study of Garcinia kola extract s antidiabetic properties in a mouse model for type 1 diabetes	Eryn Ebinger	Marina Cetkovic-Cvrlje	O6
9:00 AM	Forensic Analysis of Linux Based Systems	Joshua Faust, Praveen Uprety	Mark Schmidt	O93

### Cascade 8:00 - 9:20 am Oral Presentation Moderator: Melanie Guentzel

8:00 AM	ATV Trailer Fixture	Jonathan Blumhoefer, Casey Zimmerman, Waqas Muzammil	Steven Covey	O3
8:20 AM	Development in Nigeria	Oluwatobi Oluwagbemi	Edward Greaves	O10
8:40 AM	Virtual Reality Data Visualization	Michael Schnettler	Mehdi Mekni	O12
9:00 AM	The UnDefeated Souls: Perspectives on the Impacts of War on Girls' Education in Liberia	Johnette Tarr	Mumbi Mwangi	O13

### Glacier North 8:00 - 9:20 am Oral Presentation Moderator: Lorie Ortloff

8:00 AM	Intelligent Hydraulic Hose (IHH)	Blair Aho, Brandon Mitchell, Benjamin Storm, Khamla Vongphakdy	Jeongmin Byun	O1
8:20 AM	Trackable Gadget for Virtual Reality	Jose Araujo, Steven Henningsgard	Yi Zheng	O2
8:40 AM	Large Prime Number Generation	Dustin Johnson	Jayantha Herath	O8
9:00 AM	Forest Fire at MC.02 Radiocarbon Dating	Sam Olson	Rob Mann	O9

### Glacier South 8:00 - 9:20 am Oral Presentation Moderator: Megan Robillard

8:00 AM	Gender equity in South Africa - Fostering connections through study abroad	Carly Puch	Mumbi Mwangi	O11
8:20 AM	Missing teenagers A digital forensics Crime review	Sasidhar Jakka	Mark Schmidt	O48
8:40 AM	Digital Artifacts of Portable Virtual Machines	Henry Akanet, Surendra Giri	Mark Schmidt	O37

### Voyageurs North 8:00 - 9:20 am Oral Presentation Moderator: Monica Garcia-Perez

8:00 AM	Immigration in Central Minnesota and St. Cloud Area	Ruth Fitsum	Monica Garcia-Perez	O5
8:20 AM	Immigration in Central Minnesota and St. Cloud Area	Chris Fuchs	Monica Garcia-Perez	O5

8:40 AM	Immigration in Central Minnesota and St. Cloud Area	Onyedimma Nwachuku	Monica Garcia-Perez	05
9:00 AM	Immigration in Central Minnesota and St. Cloud Area	Sean Schlosser	Monica Garcia-Perez	05

**Alumni 9:30 - 10:50 am Oral Presentation Moderator: Kelly Branam Macauley**

<u>Time</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
9:30 AM	Firmware Malware in Solid State Drives and the Changing Digital Forensics Landscape	Kim Phan, William Smith	Mark Schmidt	O19
9:50 AM	Image as an Obstacle in Orientation	Aaron Bauer	Holly Schuck	O21
10:10 AM	Student Use of Collocations Dictionary	Caitlin Skellett	Choonkyong Kim	O32
10:30 AM	Exploring First-Year College Students Attitudes Toward Disability: Assessment of Disability Inclusion Training	Molly Tast	Seth Christman	O33

**Cascade 9:30 - 10:50 am Oral Presentation Moderator: Melanie Guentzel**

9:30 AM	The Adolescent Sibling Relationship as a Predictor of Future Romantic Relationship Quality in Emerging Adulthood	Ellie Jack	Steven Peltier	O25
9:50 AM	How to evaluate fathead minnow s adaptive immune responses to contaminants of emerging concern?	Cameron Johnson	Marina Cetkovic-Cvrlje	O26
10:10 AM	Relationships of Lanternfishes: A Phylogenomic Approach Using Ultraconserved Elements	Rene Martin	Matthew Davis	O28
10:30 AM	The Evolution of Fangs Across Ray-Finned Fishes (Actinopterygii)	Emily Olson	Matthew Davis	O30

**Glacier North 9:30 - 10:50 am Oral Presentation Moderator: Lorie Ortloff**

9:30 AM	Improving Press Brake Ergonomics	Dustin Bekkala, Meade Erickson, Maria Skreen	Ahmet Sezen	O15
9:50 AM	Repatriation Adjustment, Job Satisfaction, and Turnover as a Function of Core Self-Evaluations and Role Clarity	Nathaniel Van Heuveln	Daren Protolipac	O34
10:10 AM	A Non-Human Geography of Homeless Domesticated Rabbits in Minnesota	Amy Bachschneider	Gareth John	O20
10:30 AM	Minnesota Identity Through Film	Travis Birr	Gareth John	O22

**Glacier South 9:30 - 10:50 am Oral Presentation Moderator: Pam Cesnik**

9:30 AM	Gendered Progress: How Human Development Impacts Fertility Rates and Gender Ratios at Birth	Alvaro Plachejo	Jiping Zuo	O31
9:50 AM	Digital Forensics Presentation	Zain Abideen, Talha Mirza	Mark Schmidt	O14
10:10 AM	Aircraft Accident, Suspected Terrorism	Charlie Chen, Pavel Momo Tsamo	Mark Schmidt	O16
10:30 AM	DOS and DDOS Attacks on Different OSI layers	Mustafa Khambatta	Mark Schmidt	O27

**Voyageurs North 9:30 - 10:50 am Oral Presentation Moderator: Deb Rothstein**

9:30 AM	Students from SOC 303 research methods: some key results from the 2017 Spring student survey	Kailyn Anderson, Emily Gestach, Angela Gray, Rose Hegerle, Evan Heier, Mikhail Jagunich, Special Jones, Courtney Schmidt, Nuh Mohamed, Maray Singleton, Mardon So, Minaida Tanda, Lisa Weathersby	Sandrine Zerbib	O17
9:50 AM	Blade Bender	Robert Anderson, Lucas Belich	Yongli Zhao	O18

**Voyageurs South 9:30 - 10:50 am Oral Presentation Moderator: Gail Ruhland**

9:30 AM	"Squaw " in the American Landscape: The Place-Politics of Pejorative Toponymy	Angela Mundis	Gareth John	O29
9:50 AM	Bloody Madison : The Causes of Appalachia s Inner Civil War in Western North Carolina	Kyle Imdieke	Mary Wingerd	O24

10:10 AM	Dirac's Inferno: Quantum Mechanics in a Tight Hot Hell	Benjamin Boe	Kevin Haglin	023
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**Alumni 11:00 am - 12:20 pm Oral Presentation Moderator: Kelly Branam Macauley**

<u>Time</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
11:00 AM	Gnomons	Caroline Bang	Melissa Hanzsek-Brill	047
11:20 AM	"Inordinate Appetites & Ingenious Schemes": Alcohol Use and Availability in the United States Army Infantry, 1861-1865	Shaela Rabbitt	Mary Wingerd	050

**Cascade 11:00 am - 12:20 pm Oral Presentation Moderator: Melanie Guentzel**

11:00 AM	Improving Line Efficiency of a Unit at a Medical Device Company	Suseela Konduri, Shilpa Patil, Saimithra Penumarthi, Bharath Mohan Suresh, Komal Trishala	Hiral Shah	038
11:20 AM	Maximizing Productivity of Selected Processes using Value Stream Mapping at a Medical Device Manufacturing Company	Ameha Azmite, Avinash Dasari, Khushboo Singal, Yagnadat Reddy Talakola	Hiral Shah	040
11:40 AM	Enhancement of Flat lapping process and its material handling	Syed Mohammed a Jafri, Nooruddin Mohammed, Syed Mohammed s Jafri	Hiral Shah	043

**Glacier North 11:00 am - 12:20 pm Oral Presentation Moderator: Mark Schmidt**

11:00 AM	Cyber Terrorism	Sara Acikkol, Garima Sapkota	Mark Schmidt	036
11:20 AM	Online Gambling	Thejaswini Nanneboina, Karteek Tummala	Mark Schmidt	039
11:40 AM	Fraud taxi	Bipul Poudel, Godhuli Thapaliya	Mark Schmidt	042
12:00 PM	Volatile Data Forensics	Jamal Mosakheil, Alexander Stewart	Mark Schmidt	045

**Glacier South 11:00 am - 12:20 pm Oral Presentation Moderator: Pam Cesnik**

11:00 AM	SCSU Student Opinion on Social, Political, and Health Issues	Josefina Abdullah, Ansai Bio-Sawe, Heather Blohm, Cedric Filiyaro, Emily Herne, Charlotte Jacobson, Landry Kabore, Elizabeth Pawelk, Jack Spaeth	Sandrine Zerbib	035
11:20 AM	Club Case	Briana Kesti, Shiyeng Vang	Kenneth Miller	041
11:40 AM	Minnesota Native Grass Buffer Strips	Matthew Kruger, Alex Nipp	Mitch Bender	044

**Voyageurs North 11:00 am - 12:20 pm Oral Presentation Moderator: Jennifer Howland**

11:00 AM	Histological analysis of endocrine disruption in fathead minnows ( <i>Pimephales promelas</i> ) exposed to mixture of contaminants of emerging concern	Jannatul Neherin	Heiko Schoenfuss	049
11:20 AM	Spa tourism in Serbia	Nebojsa Stanojevic	Gareth John	052
11:40 AM	Prospects for Minneapolis's Inner-Ring Suburbs: A Comparative Analysis	Zoey Seely	Gareth John	069

**Voyageurs South 11:00 am - 12:20 pm Oral Presentation Moderator: Gail Ruhland**

11:00 AM	Analysis of Schedule-Induced Consumption and Grooming in Humans during a Simulated Slot Machine Task	Mark Rzeszutek	Benjamin Witts	051
11:20 AM	Female Guardianship Issue in Saudi Arabia	Kholoud Althobaiti	Roya Akhavan	046

**Alumni 12:30 - 1:50 pm Oral Presentation Moderator: Kelly Branam Macauley**

<u>Time</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
12:30 PM	Multi-Generational Exposure of Fathead Minnows to a Complex Urban Mixture of Contaminants of Emerging Concern	Lina Wang	Heiko Schoenfuss	071
12:50 PM	Septic Seepage in Minnesota Lakes and its Biological Effects on Resident Sunfish	Les Warren	Heiko Schoenfuss	072

1:10 PM	ESL students, plagiarism and acknowledgement of sources	Angelica Carnero	Michael Schwartz	O64
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**Cascade 12:30 - 1:50 pm Oral Presentation Moderator: Melanie Guentzel**

12:30 PM	Improvisation and optimizing the efficiency of operational zones at Garvey Commons	Xinli Sha, Ramswaroop Vudugu, Wei Wang, Hang Yin	Hiral Shah	O59
12:50 PM	Development of assays for analysis of fathead minnow innate immune responses to environmental pollutants	Joshua Gordon	Marina Cetkovic-Cvrlje	O66
1:10 PM	The effects of Garcinia kola extract (GKE) on the Tcell composition and function in experimental type 1 diabetes (T1D)	Shana Rogan	Marina Cetkovic-Cvrlje	O67

**Glacier North 12:30 - 1:50 pm Oral Presentation Moderator: David Robinson**

12:30 PM	Analysis on LS-CMI Questions Scored by Intake Agents	Li Xian Cha, Abraham Levin	David Robinson	O55
12:50 PM	Examination to find significant factors in the Release Advance Planning (RAP) program	Kelly Marvine Kaneza, John Lanoue	David Robinson	O57
1:10 PM	SCSU Stearns County Jail Data Analysis	Joel Klein, Justin Miller, Brandon Sevre, Derek Siebert, Brandon Strange	David Robinson	O58
1:30 PM	Stearns County Assessment Score Evaluation	Sterling Peschl, Amy Southard	David Robinson	O62

**Glacier South 12:30 - 1:50 pm Oral Presentation Moderator: Sarah Petitto**

12:30 PM	RAHTmobile Suspension	Allie Erickson, Luke Jurmu, Paul O'Brien	Jay Byun	O56
12:50 PM	DIY Weather Station	Matthew Slauson, Syera Weah	Susantha Herath	O61

**Voyageurs North 12:30 - 1:50 pm Oral Presentation Moderator: J. Michael Pickle**

12:30 PM	Geographic Correlation to Password Complexities and Cyber Security Awareness	William Smith	Mark Schmidt	O70
12:50 PM	Do English Language Learners (ELL) ask about the meaning of unfamiliar words during an English conversation?	Glymaris Lugo	Choonkyong Kim	O94
1:10 PM	Fraud orchestrated by software programmer	Patrick Jackson, Kamchana Lankatilake	Mark Schmidt	O95

**Voyageurs South 12:30 - 1:50 pm Oral Presentation Moderator: Gail Ruhland**

12:30 PM	Drone Delivery: Challenges and Possibilities	Sarbesh Banskota, Anup Bhattarai, Kshitiz Hamal	Aleksandar Tomovic	O60
12:50 PM	Nature of Heap(Replacement Selection Algorithm)	Pratik Bhattarai	Andrew Anda	O63
1:10 PM	MST-Based and Optimal Grammar-Based (0,1)-MatrixVector Product Algorithms	Jeffrey Witthuhn	Andrew Anda	O73
1:30 PM	Histological Evaluation of Fish Tissues Collected from Wastewater Exposed Fishes in the Chicago Waterways	Rachel Sakry	Heiko Schoenfuss	O68

**Alumni 2:00 - 3:20 pm Oral Presentation Moderator: Kelly Branam Macauley**

<u>Time</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
2:00 PM	What Vocabulary Terms do ESL Learners Find Most Beneficial in HIV Education?	David Anderson	Choonkyong Kim	O81
2:20 PM	Stress Induced Mate Choice Copying in Domestic Guppies	Danielle Burski	Anthony Marcattilio	O82
2:40 PM	Automated Tinning Machine	Marcelo Locatelli, Laura Markham, Joshua Stadem	Ahmet Sezen	O77
3:00 PM	Sexual Assault in College	Oluwatobi Oluwagbemi	Edward Greaves	O88

**Cascade 2:00 - 3:20 pm Oral Presentation Moderator: Jennifer Howland**



2:00 PM	Abbott and Cordova, 7 August 1971: Photography in the Age of Digital Media, Post-production, and Photoshop	Samantha Glauvitz	Godfrey Leung	O84
2:20 PM	Do Brain Games Improve Working Memory?	Thomas Tesar	Leslie Valdes	O90
<b>Glacier North 2:00 - 3:20 pm Oral Presentation Moderator: David Robinson</b>				
2:00 PM	Math Path	John Lanoue, Abraham Levin, Brian Peterson	David Robinson	O76
2:20 PM	FAST Scores in Relation to MCA	Andrea Richards, Carleen Theisen	David Robinson	O89
2:40 PM	Kindergarten Readiness Data Analysis	Alectra Walcome	David Robinson	O91
3:00 PM	Mapping the interaction between two <i>Toxoplasma gondii</i> cell cycle proteins	Sandra Hinz	Christopher Kvaal	O86
<b>Glacier South 2:00 - 3:20 pm Oral Presentation Moderator: Susantha Herath</b>				
2:00 PM	Autonomous Wireless Stress Tester	Zachary Babcock, Anthony Kuschel	Susantha Herath	O79
2:20 PM	Technology in Nigeria's K-12 Education System	Olabisi Ewumi	Susantha Herath	O83
2:40 PM	Heart Defect Measuring	Benjamin Watters	Susantha Herath	O92
3:00 PM	The effects of support, on the physical and mental health of men "coming out" as gay	James Hay	Jiping Zuo	O85
<b>Voyageurs North 2:00 - 3:20 pm Oral Presentation Moderator: Monica Garcia-Perez</b>				
2:00 PM	Immigration in Central Minnesota and St. Cloud Area	Ryan Bolduc	Monica Garcia-Perez	O74
2:20 PM	Immigration in Central Minnesota and St. Cloud area	Honorat Donou	Monica Garcia-Perez	O74
3:00 PM	Immigration in Central Minnesota and St. Cloud Area	Taisiia Stanishevskia	Monica Garcia-Perez	O74
<b>Voyageurs South 2:00 - 3:20 pm Oral Presentation Moderator: Melanie Guentzel</b>				
2:00 PM	Graco In-Line Viscometer	Spencer Kariniemi, Nick Keskey, David Loukusa, Caleb Traut	Eric Little	O75
2:20 PM	SAE Clean Snowmobile Project	Gene Studniski, Heather VanSlyke	Kenneth Miller	O78
2:40 PM	Sex differences in feeding ecology among wild saddleback tamarins ( <i>Leontocebus weddelli</i> ) from northern Bolivia as revealed through dental attrition.	Ashley Kalar	Matthew Tornow	O87

## 2017 STUDENT RESEARCH COLLOQUIUM DETAILED SCHEDULE - APRIL 18, 2017

### Gallery 9:00 am - 2:00 pm Art or Creative Works

<u>Title</u>	<u>Participant Name</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
Operation: Save the Earth	Emily Brown, Kyla Fodor, Christopher Retzer, Maria Thompson	Matthew Julius	CW1

### Ballroom A 9:00 am - 2:00 pm Art or Creative Works

Vision System for Factory	Amila DeSilva, Eu Sheng Chung, Dareck Tamariz	John Sinko	CW2
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### Theatre 9:30 am - 9:50 am Art or Creative Works

Performing the Anxious Performatives	Alexandria Koning	Tami Spry	CW3
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### Theatre 2:00 - 2:20 pm Art or Creative Works

Birch Bark Rhapsody	Grace Mertz	Jennifer Tuder	CW4
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### Theatre 3:30 - 4:30 pm Art or Creative Works

AIDS in South Africa: Nursing Student Panel	Courtney Bevans, Krystal Brown, Kari Hiscock, Ellen Kane, Emily Kent, Rachel Minnerath, Brie Olson, Samantha Wahlgren	Susan Warner & Jo DeBruycker	CW5
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## 2017 STUDENT RESEARCH COLLOQUIUM DETAILED SCHEDULE - APRIL 18, 2017

### Ballroom 8:30 - 10:00 am Poster Session I

<u>Easel</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
1	Biodistance analysis between Classic Neanderthla populations using non-metric features of the dentition.	Michel Tchang	Matthew Tornow	P46
2	Perspectives of Young Japanese Adults: How Japan's Aging Society will Open Doors to Foreigners	Dao Xiong	Mikhail Blinnikov	P47
3	How Can Minerals be used in Filtration?	Ande Adcock	Kate Pound	P13
4	What are the life saving properties of gold?	Chaz Engebretsen, Jonathan Olson	Kate Pound	P5
5	Does Gracinia kola Extract Affect Proliferation of Tcells in a C57BL/6 Mouse Model of Autoimmune Type 1 Diabetes?	Katherine Schimnich, Kholood Abuhadid	Marina Cetkovic-Cvrlje	P12
6	The Effects of Garcinia Kola Extract on Blood Glucose Levels in a Mouse Model of Type 1 Diabetes	Emily Donahue, Chryssa King, Kaitlyn Mailhot, Jacob Walling, Hayley Zappa	Marina Cetkovic-Cvrlje	P4
7	Vector gene expression and purification of Phosphoribosylpyrophate	Cody Aston	Nathan Bruender	P15
8	Mental Healthcare in the Developing World: Challenges and Opportunities	Damilola Sanusi	Oladele Gazal	P43
9	Smart Shelf	Scott Przybilla, Grant Schellberg, Fedell Zarzar	Rami Amiri	P11
10	Photophysics of Organic Materials by Pump-Probe Spectroscopy	Michael Rogers	Russ Lidberg	P42
11	Iron doped TiO2 nanoparticles- A Green Synthetic approach	SatyaVani Chinnamaneni	Kannan Sivaprakasam	P20
12	Voices of Homelessness	Kelsey Huls	Sheila Moriarty	P27
13	Finance, Insurance & Real Estate	Mohammed Alnassar, Conner Loch	Gregory Hight	P158
14	Whitewater River Reaches Channel Type Investigation	Harmony Schuapp	Jean Hoff	P44
15	The Annotation of the Histidine Biosynthetic Pathway of Acineobacter baumannii AYE	Devin Filiatrault	Christopher Kvaal	P23
16	St. Cloud State University Business Advising Office Practicum in Higher Education Administration	Shawn Blank	Christine Imbra	P16
17	Practicum at the St. Cloud State University Women's Center	James Bradley	Christine Imbra	P18
18	"Beyond Cows, Plows, and Sows ": A New Breed of Ag Education	Attina Earl	Christine Imbra	P22
19	Best Practices in Residential Life: A Practicum Experience	Lindsey Gutsch	Christine Imbra	P26
20	Practicum at CSBSJU Intercultural & International Student Services	Patricia Klug	Christine Imbra	P31
21	Practicum Experience at SCTCC in Advising	Amanda Larson	Christine Imbra	P34
22	Home Sweet Home- Coping with Reverse Culture Shock	Molly McAlister	Christine Imbra	P36
23	Financial Aid Practicum: "Helping Students to Achieve their Dreams"	Kristopher Oliveira	Christine Imbra	P38
24	Recruitment, Retention and Revenue: The Case for Study Away Programs	Holly Schuck	Christine Imbra	P45
25	Program Development for Living Learning Communities: A Practicum Experience	Renee Young-Trego	Christine Imbra	P48
26	Interaction screening of TgCYC6 protein controlling Toxoplasma gondii cell division	Dinusha Peiris	Christopher Kvaal	P40
27	The Effects of Various Sulfamethoxazole Concentrations on Plesiomonas shigelloides	Rebecca Jensch	Louise Millis	P28
28	What makes Asbestos hazardous?	Alex Nipp	Kate Pound	P37

29	Spoiled Food of the Produce Industry	Andrew Kosloski	Mark Minger	P32
30	Modular Hydroelectric Power System with Interface Between System and User	Galen Strovers, Alan Wesley	Md Hossain	P10
31	Isolation of Antimicrobial Compounds from Bacteria	Saron Checkole, Bethem Fitsum, Michael Pederson, Megan Stein, Dee Yang	Louise Millis	P9
32	Need for Urgent Care in Meeker County	Janice Boeck, Krystal Brown, Mackenzie Harris, Janet Julin, Samantha Wahlgren, Joseph Pangerl, Emily Kent	Susan Warner	P2
33	Analysis of vowel production	Weston Bouchard	Ettien Koffi	P17

**Ballroom 8:30 - 10:00 am Poster Session I (Continued)**

<u>Easel</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
34	SCSU Honors	Nawang Palkit, Adam Rusinak, Haley Upton	Judith Kilborn	P7
35	The Effect of Sleep on Memory	Allison Arlt	Leslie Valdes	P14
36	Can Television Help You Score More Goals? The Influence of Motor Imagery on Hockey Shot Accuracy	Madeleine Dahl	Leslie Valdes	P21
37	Adapting to a New Culture	Beteley Gelaw	Leslie Valdes	P24
38	The Effects Of Mindfulness In Relation To Working Memory And The Implications For Future Research And Therapies	Austin Guetter	Leslie Valdes	P25
39	The Impact of Alzheimer's and Parkinson's on Prospective Memory	Erica Kamantauskas	Leslie Valdes	P29
40	The Effects of a Preoccupation With Body Weight and Body Image on Memory Biases	Sean Keenan	Leslie Valdes	P30
41	The Developing Mind and Memory of Adolescence	Allie Larsen	Leslie Valdes	P33
42	The Art of Reminiscence and its Implications for Grieving	Jenny Phillips	Leslie Valdes	P41
43	Perception of science and scientists amongst college students in entry level science courses.	Caroline Bruc	Rebecca Krystyniak	P19
44	Analyzing NARCCAP Regional Climate Model Data	Jacob Palmehn	Tony Hansen and Alan Srock	P39
45	Trackable Gadget for HTC Vive	Jose Araujo, Abigail Erlandson, Steven Henningsgard	Yi Zheng	P1
46	Morrison County Maternal Child Health	Courtney Brittain, Tarynn Kasper, Rebecca Patton, Anna Schmitt	Randy Huard, Susan Warner	P3
47	Little Falls Intake Assessment Survey	Hannah Horn, Katie Kellner, Katlynn McPhee, Ashlea Schramel	Randy Huard, Susan Warner	P6
48	Assessment of Wright County Older Adults' Perceptions and Awareness of Community Resources	Chloe Huber, Kelsey Kiehl, Rachel Minnerath, Ryan Nguyen, Richard Phipps Nguyen, Ashley Prigge, Abby Primmer, Chelsey Queen	Randy Huard, Susan Warner	P8

**Ballroom 11:00 am - 12:30 pm Poster Session II**

<u>Easel</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
1	Generalization of Strong Interest Inventory in Chinese Context: A Study of Translation, Validation and CrossCultural Comparison	Yang Yang	Daren Protolipac	P96
2	How Cultural Resource Management Legally Failed to Protect the Mni Wiconi (Water Protectors)	Heather Adams, Kelsey Greenwaldt, Miranda Zilka	Kelly Branam Macauley	P49
3	To Pipeline Or Not To Pipeline	Jonathan Corbin, Lindsey Lund, Nathan Powers	Kelly Branam Macauley	P55
4	Light from Freezing Quarks	Anthony Kunkel	Kevin Haglin	P83
5	Effects of Aqueous Nigella Sativa Extract (NSE) on Luteinizing Hormone (LH) in Pre-Pubertal Sprague Dawley Rats A Pilot Study	Samera De Silva, Chimaobim Uzochukwu	Oladele Gazal	P64

8	The Use of Self-Monitoring Techniques to Increase Physical Activity: A Review of the Literature	Andrew Massey	Edward Page	P87
9	Conversation Training in Aphasia: A Single Case Study	Amanda Rumpca	Grama Rangamani	P91
10	Media Runs Wild: Alternative Facts and Protecting the Truth	Andrew Knollmaier, Daniel Lopez, Elliott Weitz	Kelly Branam Macauley	P59
11	Contaminants of Emerging Concern and Their Effect on the Nest Defense Behavior of Adult Fathead Minnows	Aaron Kalahar	Heiko Schoenfuss	P79
12	Smart Materials	Yesenia Vega	John Sinko	P95
13	What controls the presence of calcite and aragonite in caves?	Nicholas Budde, Mackenzie Pangerl	Kate Pound	P60
14	Why do some minerals fluoresce under UV light?	Rachel Schoenecker, Abigail Pashina	Kate Pound	P61
15	Minerals containing Mercury and Lead: How Hazardous are they?	Brandy Goertz	Kate Pound	P75
16	Acoustic Correlates of Lexical Stress in Central Minnesotan English	Grace Mertz	Ettien Koffi	P89

**Ballroom 11:00 am - 12:30 pm Poster Session II (Continued)**

<u>Easel</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
17	Somali Mental Health Stigma	Hodan Ahmed	Shu-Ching Wang	P66
18	Reconfiguring the Disjointed Geography of Weather Warning Systems in Minnesota	Niki Anderson	Gareth John	P69
19	Dirac's Inferno	Benjamin Boe	Kevin Haglin	P72
20	NFC Access Verification	Ashish Jayan, Lucas Reller	Mehdi Mekni	P58
21	High- throughput phenotype data browsers for Bacillus subtilis and Escherichia coli	Rebecca Berg	Nathan Winter	P71
22	Mucuna pruriens seeds and the mechanisms of reproduction control in mammals - A Review	Mariam Afolabi	Oladele Gazal	P65
23	Development of a Random Number Generator for Modeling	Travis Hislop	Zengqiang Liu	P77
24	Diamonds are Timeless, but Are They Really the Best?	Katherine Hickman	Kate Pound	P76
25	Behavioral Control in Slot Machine Gambling	Jaclyn McGrath	Benjamin Witts	P88
26	Effects of Water Deprivation on Four Female Madagascar Hissing Cockroaches	Sara Snow	Benjamin Witts	P94
27	Treatment of Underlying Forms and Constraint Induced Auditory Training in Aphasia: A Single Case Study	Jane Anderson	Grama Rangamani	P68
28	First Steps to Increased Wellness: A Survey of SLP Graduate Students	Megan Coffman, Teresa Gonia, Caroline Koziol, Ellen Liebe	Janet Tilstra	P54
29	Improving Staff Praise of Toddlers in a Group Setting	Jessica Amiot	Michele Traub	P67
30	Tuberculosis Screening in Stearns County Primary Care Clinics	James Baker, Hannah Forrest, Breanna From, Samantha Just, Sabrina Keller, Jane Pietila, Amber Ragatz, Lauren Schaar	Randy Huard , Jo DeBruycker	P51
31	Analysis of Protein-Protein Interactions of Toxoplasma gondii	Anna Schorr	Christopher Kvaal	P92
32	The effect of high frequency electromagnetic radiation on the navigational behavior of the European Honey Bee (Apis mellifera L.): A possible contributor to colony collapse disorder.	Joseph Jungwirth	Matthew Julius	P78
33	Tap Smart	Ryan Hess, Tyler Johnson, Ryan Shaughnessy	Aiping Yao	P62
34	Optimization of DBF Expression and Purification	Landon Anderson, Nicholas Mercurio, Russell Oldenburg	Cassidy Dobson	P50

35	Gamma Crystallin Aggregation in Cataracts. Can DBF Help?	Erica Kamantauskas	Cassidy Dobson	P80
36	Looking into Histidine metabolism of <i>Thermosediminibacter oceani</i>	Micah Godding	Christopher Kvaal	P74
37	Synthesis of histidine in <i>Klebsiella pneumoniae</i>	Joseph Siegfried	Christopher Kvaal	P93
38	Effects of Septic Seepage on the Embryonic Stage of Fathead Minnows	Kate Kopeck	Heiko Schoenfuss	P82
39	Isolation of <i>Plesiomonas shigelloides</i> from fish samples	Brittany Champion, Nicole Mueller, Chinkumbi Wauna	Louise Millis	P53
40	Minnesota Resident Support for Biofuels	Colin Garlock	Mark Minger	P73
41	Performance Evaluation Of Multi-Hop WirelessHART Network	Kaleab Worku, Jacob Hupp	Tirthankar Ghosh	P56
42	Managing Construction	James Oman	Mark Schroll	P90
43	Security of Unmanned Aerial Vehicles	Kevin Loukusa	Mehdi Mekni	P85
44	Raht Racer Software Prototype	Erik Reis, Joshua Wilford, Hamna Zahid, Arsene Foka	Omar Al-Azzam	P63
45	Wireless Warehouse Workers	Zane Beltz, Tyler Hietanen, Conner Walz	Timothy Vogt	P52
46	Synthesis and Characterization of Hydrophilic Polymer Blends of Poly(vinyl alcohol) and Poly(acrylic acid)	Tou Xiong	Kannan Sivaprakasam	P158
47	The rise of childhood obesity	Alex Zabo	Jiping Zuo	P97
48	What's Wrong with Me? Effects of Moderate-to-Severe Traumatic Brain Injuries on Memory	Rebekah Anderson	Leslie Valdes	P70

**Ballroom 1:30 - 3:00 pm Poster Session III**

<u>Easel</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
2	Navigating the Academic Seas	Jenny Popernack, Nathaniel Stoll	Judith Kilborn	P104
3	Fasteners of Fort Fair Haven	Jonathan Corbin	Rob Mann	P125

**Ballroom 1:30 - 3:00 pm Poster Session III (Continued)**

<u>Easel</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
4	Constructing a Solid-State Laser	David Corgard	John Sinko	P126
5	Graphene-polymer composite	Jared Hansen	Kannan Sivaprakasam	P115
6	PVC composites	Suhaib Kazzaz	Kannan Sivaprakasam	P158
7	Mosquitoes: A Threat to Minnesota Public Health	Wesley Davis	Ryan Fink	P127
8	Analyzing the Effects of a Family Study Room on Academically-Related Outcomes	Nicole Takle	Benjamin Witts	P153
9	Immigrant and refugee students: Examining psychological distress and barriers to mental health help seeking	Katie Immerfall	Yuh-Jen Guo	P137
10	The Popularity of Asian Cuisines: How Does Globalization Affect Restaurants in Central Minnesota (St. Cloud)?	April Htoo	Mikhail Blinnikov	P136
11	Harvesting Energy Box (HEB)	Aman Das, Saklain Karim, Jose Tabora	Aiping Yao	P113
12	Visualizing Meteorological Data Using Virtual Reality	Josh Benoit, Emily Harrington, Austin Johannes, Joseph Kelzenberg	Mark Petzold & Alan Srock	P102
13	Topographically-Forced Gravity Waves Causing Heavy Snows in Northwest Wisconsin	Josh Sandstrom	Alan Srock	P149
14	Induction of the egg-yolk protein vitellogenin and plasma hormonal concentrations in bluegill sunfish ( <i>Lepomis macrochirus</i> ) correlated with septic seepage in Minnesota lakes	Jordon Kunkel	Heiko Schoenfuss	P140
15	Behavioral Effects of Septic Seepage present in Minnesota Lakes on Fathead Minnows.	Ariana Richardson	Heiko Schoenfuss	P148
16	The Annotation of the Histidine Biosynthetic Pathway of <i>Brucella canis</i> ATC 23365	Alan Washburn	Christopher Kvaal	P155

17	Diffuse Reflectance Study of Thermochromic Materials for Sustainable Energy Coatings	Alexis Corbett, Travis Hislop, Meredith Rupp	John Sinko	P100
18	Laser-Induced Carbon-Doped Carbonate Propellant Decomposition for Beamed Energy Propulsion	Tyler Baxter	John Sinko	P118
19	What are Sulfate Minerals ?	Ana San Miguel Esqueda, Cody Soplata	Kate Pound	P106
20	Geodes	Ashia Lujano	Kate Pound	P35
21	Delivery of siRNA Using Cationic Polymeric Nanoparticles to Understand the Localization and Function of GABAergic Neurotransmission of Planarian Flatworms	Kassandra Klases, Sruthi Shankar	Latha Ramakrishnan	P105
22	Chemotherapeutic Agents from Natural Product Templates: The Design and Synthesis of AlphaMethylene Indanone, Coumarin, and Quinolin-2-one Analogues	Nicole Bentz	Mark Mechelke	P119
23	Cultural and Religious Factors Impacting Women Participation in STEM disciplines: A Decade Analysis from Three Countries	Areej Zahra	Oladele Gazal	P157
24	Mining near the Boundary Waters Canoe Wilderness watershed	Mark Kotlarz	Gareth John	P138
25	Grey Wolf Reintroduction on Isle Royale: A study of Trophic Cascades in Open and Closed Systems.	Thomas Locke	Gareth John	P141
26	Commuting Patterns of St. Cloud State University Students	Nathan Porttiin	Gareth John	P145
27	Analyzing and comparing replacement-selection algorithms.	Ananda Poudel	Andrew Anda	P146
28	Charge Carrier Mobility Studies in Polyacenes	Seth Hennagir	Russ Lidberg	P135
29	Synthesis of a Redox-Switchable Aromatic Hemiporphyrzine	Danielle Hall	Thomas Gardner	P132
30	Passive Solar Monitoring System	Matt Henning, Todd Hillukka, Paul Wuollet	Timothy Vogt	P110
31	Identification of human cells lacking Smurf1 protein	Devon Dell	Brian Olson	P128
32	Investigation of DBF Refolding Ability of Lysozyme	Logan Kludt, Jordan Kuester, Matthew Schmeltzer	Cassidy Dobson	P103
33	Cloning and Characterization of Putative Histidinol-Phosphatase not called by Machine Annotation	Samuel Ellis	Christopher Kvaal	P130

**Ballroom 1:30 - 3:00 pm Poster Session III (Continued)**

<u>Easel</u>	<u>Title</u>	<u>Presenters</u>	<u>Faculty Sponsor</u>	<u>Abstract Code</u>
34	Understanding Retention rate with Mapworks	Fisayo Aderibigbe, Paranant Dwyer, Marian Fernando, Andrea Richards	David Robinson	P107
35	Torsion Pendulum for Laser Thrust Detection	Sam Hartman	John Sinko	P133
36	Synthesis and characterization of Graphene	Animesh Sthapit	Kannan Sivaprakasam	P152
37	Is It More Than a Gemstone?	Aaron Carlson	Kate Pound	P123
38	Mineral Research Project	William Richards	Kate Pound	P147
39	Biological Control: Soybean Cyst Nematode	Alyssa Sowada	Mark Minger	P151
40	An Investigation Into the Knowledge And Opinions Of Individuals In The St. Cloud Area On The Use And Environmental Impact Of Paper And Plastic Bags	Jena Volkers	Mark Minger	P154
41	Feeding 9.7 Billion	Megan Loso	Mark Minger	P84
42	Power Generating Bike	Gavin Durant, Gregory Koubsky	Michael Glazos	P112
43	CAM Implimentation	Fletcher McNair, Andrew Nash, Rebekka Silbermann	Nancy Sundheim	P108
44	Swimming Stroke Tracker	Neil Manning, Arnold Sawadogo	Rami Amiri	P109

45	Midwest 2016 Flooding: Comparison to that of the Midwest Floods of 1993 and 2008	Tyler Bahlmann	Robert Weisman	P117
47	Sex Trafficking in the US & Minnesota	Eyas Abuidres, Nikki Alojado	Jiping Zuo	P98
48	Student Parents Infographic	Melissa Frank, Tayler Johnson	Judith Kilborn	P101
49	Memory And Depression	Karlee Burrows	Leslie Valdes	P122
50	Eyewitness Accounts	Nicolette Giusto	Leslie Valdes	P131
51	Damsel in Distress or Heroine? Does Globalization Help or Hinder a Woman's Portrayal in Children's Movies	Maggie Bergeland	Mikhail Blinnikov	P120
53	Emergency Preparedness: Active Threat on Campus Assessment	Bonnie Berscheid, Korina Broermann, Ashley Judes, Jennifer Kounsa, Amanda Monson	Randy Huard, Susan Warner	P111
54	Implementing Wellness in Counseling Graduate Students: A Holistic Approach	Samuel Nelson, Alexis Phillips	Yuh-Jen Guo	P114
55	MN Department of Employment and Economic Development	Abshir Colad	Chukwunyerere Ugochukwu	P124
56	Downtown Development	Spencer Henle	Chukwunyerere Ugochukwu	P134
57	Planning for Efficiency	Ryan Krueger	Chukwunyerere Ugochukwu	P139
58	Diversified Housing	Abdirahim Osman	Chukwunyerere Ugochukwu	P142
59	Assessing the Economic Impact of Light Rail in Minneapolis, Minnesota	Alex Arneson	Gareth John	P116
60	SCSU Student International Place Images and their Decision to Study Abroad	Tiffany Bergman	Gareth John	P121
61	Water Pollution Origin and Fish Consumption Safety in Northern Minnesota Water Sources	Melissa Papay	Gareth John	P143
62	A Cultural Geography of Somali Refugee Immigration, Assimilation, and Diffusion in Minnesota	Adam Shanahan	Gareth John	P150
63	Immigration in Central Minnesota and St. Cloud Area	Honorat Donou	Monica Garcia-Perez	P129

## 2017 STUDENT RESEARCH COLLOQUIUM SPONSOR INDEX – APRIL 18, 2017

### College of Liberal Arts

#### Anthropology

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Branam Macauley, Kelly	Adams, Heather	11:00 - 12:30 pm	Ballroom	2
	Corbin, Jonathan	11:00 - 12:30 pm	Ballroom	3
	Greenwaldt, Kelsey	11:00 - 12:30 pm	Ballroom	2
	Knollmaier, Andrew	11:00 - 12:30 pm	Ballroom	10
	Lopez, Daniel	11:00 - 12:30 pm	Ballroom	10
	Lund, Lindsey	11:00 - 12:30 pm	Ballroom	3
	Powers, Nathan	11:00 - 12:30 pm	Ballroom	3
	Weitz, Elliott	11:00 - 12:30 pm	Ballroom	10
	Zilka, Miranda	11:00 - 12:30 pm	Ballroom	2
Mann, Rob	Corbin, Jonathan	1:30 - 3:00 pm	Ballroom	3



	Olson, Sam	9:00 AM	Glacier North	
Tornow, Matthew	Kalar, Ashley	2:40 PM	Voyageurs South	
	Tchang, Michel	8:30 - 10:00 am	Ballroom	1

### Art

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Leung, Godfrey	Glauvitz, Samantha	2:00 pm	Cascade	

### Communication Studies

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Spry, Tami	Koning, Alexandria	9:30 - 9:50 am	Theatre	
Tuder, Jennifer	Mertz, Grace	2:00 - 2:20 pm	Theatre	

### English

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Koffi, Ettien	Mertz, Grace	11:00 - 12:30 pm	Ballroom	16
Kilborn, Judith	Frank, Melissa	1:30 - 3:00 pm	Ballroom	48
	Johnson, Tayler	1:30 - 3:00 pm	Ballroom	48
	Palkit, Nawang	8:30 - 10:00 am	Ballroom	34
	Popernack, Jenny	1:30 - 3:00 pm	Ballroom	2
	Rusinak, Adam	8:30 - 10:00 am	Ballroom	34
	Stoll, Nathaniel	1:30 - 3:00 pm	Ballroom	2
	Upton, Haley	8:30 - 10:00 am	Ballroom	34
Kim, Choonkyong	Anderson, David	2:00 PM	Alumni	

### English (Continued)

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Kim, Choonkyong	Skellett, Caitlin	10:10 AM	Alumni	
Koffi, Ettien	Bouchard, Weston	8:30 - 10:00 am	Ballroom	33
Schwartz, Michael	Carnero, Angelica	1:10 PM	Alumni	

### Ethnic & Women's Studies

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Mwangi, Mumbi	Puch, Carly	8:00 AM	Glacier South	

Tarr, Johnette

9:00 AM

Cascade

**Geography & Planning**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Blinnikov, Mikhail	Bergeland, Maggie	1:30 - 3:00 pm	Ballroom	51
	Htoo, April	1:30 - 3:00 pm	Ballroom	10
	Xiong, Dao	8:30 - 10:00 am	Ballroom	2

**History**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Wingerd, Mary	Imdieke, Kyle	9:50 AM	Voyageurs South	
	Rabbitt, Shaela	11:20 AM	Alumni	

**Mass Communications**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Akhavan, Roya	Althobaiti, Kholoud	11:20 AM	Voyageurs South	

**Psychology**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Protolipac, Daren	Hoepner, Catherine	8:20 AM	Alumni	
	Van Heuveln, Nathaniel	9:50 AM	Glacier North	
	Van Heuveln, Nathaniel	8:20 AM	Alumni	
Valdes, Leslie	Yang, Yang	11:00 - 12:30 pm	Ballroom	1
	Anderson, Rebekah	11:00 - 12:30 pm	Ballroom	48
	Arlt, Allison	8:30 - 10:00 am	Ballroom	35
	Burrows, Karlee	1:30 - 3:00 pm	Ballroom	49
	Dahl, Madeleine	8:30 - 10:00 am	Ballroom	36
	Gelaw, Beteley	8:30 - 10:00 am	Ballroom	37
	Giusto, Nicolette	1:30 - 3:00 pm	Ballroom	50
	Guetter, Austin	8:30 - 10:00 am	Ballroom	38
	Kamantauskas, Erica	8:30 - 10:00 am	Ballroom	39
	Keenan, Sean	8:30 - 10:00 am	Ballroom	40
	Larsen, Allie	8:30 - 10:00 am	Ballroom	41
	Phillips, Jenny	8:30 - 10:00 am	Ballroom	42
Tesar, Thomas		2:20 PM	Cascade	

**Sociology**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Zerbib, Sandrine	Abdullah, Josefina	11:00 AM	Glacier South	
	Anderson, Kailyn	9:30 AM	Voyageurs North	
	Bio-Sawe, Ansai	11:00 AM	Glacier South	
	Blohm, Heather	11:00 AM	Glacier South	
	Filiyaro, Cedric	11:00 AM	Glacier South	
	Gestach, Emily	9:30 AM	Voyageurs North	
	Gray, Angela	9:30 AM	Voyageurs North	
	Hegerle, Rose	9:30 AM	Voyageurs North	
	Heier, Evan	9:30 AM	Voyageurs North	
	Herne, Emily	11:00 AM	Glacier South	
	Jacobson, Charlotte	11:00 AM	Glacier South	
	Jagunich, Mikhail	9:30 AM	Voyageurs North	
	Jones, Special	9:30 AM	Voyageurs North	
	Kabore, Landry	11:00 AM	Glacier South	
	Mohamed, Nuh	9:30 AM	Voyageurs North	
	Pawelk, Elizabeth	11:00 AM	Glacier South	
	Schmidt, Courtney	9:30 AM	Voyageurs North	
	Singleton, Maray	9:30 AM	Voyageurs North	
	So, Mardon	9:30 AM	Voyageurs North	
	Spaeth, Jack	11:00 AM	Glacier South	
	Tanda, Minaida	9:30 AM	Voyageurs North	
	Weathersby, Lisa	9:30 AM	Voyageurs North	
Zuo, Jiping	Abuidres, Eyas	1:30 - 3:00 pm	Ballroom	47
	Alojado, Nikki	1:30 - 3:00 pm	Ballroom	47
	Hay, James	3:00 PM	Glacier South	
	Plachejo, Alvaro	9:30 AM	Glacier South	
	Zaboj, Alex	11:00 - 12:30 pm	Ballroom	47

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**College of Science & Engineering****Atmospheric & Hydrologic Sciences**

<u>Faculty Sponsor</u> <u>Easel</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	
Hansen, Tony	Palmehn, Jacob	8:30 - 10:00 am	Ballroom	44
Hoff, Jean	Schaupp, Harmony	8:30 - 10:00 am	Ballroom	14
Pound, Kate	Adcock, Ande	8:30 - 10:00 am	Ballroom	3
	Budde, Nicholas	11:00 - 12:30 pm	Ballroom	13
	Carlson, Aaron	1:30 - 3:00 pm	Ballroom	37
	Engebretsen, Chaz	8:30 - 10:00 am	Ballroom	4
	Goertz, Brandy	11:00 - 12:30 pm	Ballroom	15
	Hickman, Katherin	11:00 - 12:30 pm	Ballroom	24
	Lujano, Ashia	1:30 - 3:00 pm	Ballroom	20
	Nipp, Alex	8:30 - 10:00 am	Ballroom	28
	Olson, Jonathan	8:30 - 10:00 am	Ballroom	4

**Atmospheric & Hydrologic Sciences**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Pound, Kate	Pangerl, Mackenzie	11:00 - 12:30 pm	Ballroom	13
	Pashina, Abigail	11:00 - 12:30 pm	Ballroom	14
	Richards, William	1:30 - 3:00 pm	Ballroom	38
	San Miguel Esqueda, Ana	1:30 - 3:00 pm	Ballroom	19
	Schoenecker, Rachel	11:00 - 12:30 pm	Ballroom	14
	Soplata, Cody	1:30 - 3:00 pm	Ballroom	19
Srock, Alan	Harrington, Emily	1:30 - 3:00 pm	Ballroom	12
	Sandstrom, Josh	1:30 - 3:00 pm	Ballroom	13
Weisman, Robert	Bahlmann, Tyler	1:30 - 3:00 pm	Ballroom	45

**Biology**

<u>Faculty Sponsor</u> <u>Easel</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	
Cetkovic-Cvrlje, Marina	Abuhadid, Kholood	8:30 - 10:00 am	Ballroom	5
	Donahue, Emily	8:30 - 10:00 am	Ballroom	6

	Ebinger, Eryn	8:40 AM	Alumni	
	Gordon, Joshua	12:50 PM	Cascade	
	Johnson, Cameron	9:50 AM	Cascade	
	King, Chryssa	8:30 - 10:00 am	Ballroom	6
	Mailhot, Kaitlyn	8:30 - 10:00 am	Ballroom	6
	Rogan, Shana	1:10 PM	Cascade	
	Schimmich, Katherine	8:30 - 10:00 am	Ballroom	5
	Walling, Jacob	8:30 - 10:00 am	Ballroom	6
	Zappa, Hayley	8:30 - 10:00 am	Ballroom	6
Davis, Matthew	Martin, Rene	10:10 AM	Cascade	
	Olson, Emily	10:30 AM	Cascade	
Fink, Ryan	Davis, Wesley	1:30 - 3:00 pm	Ballroom	7
	Jahan, Nusrat	8:00 AM	Alumni	
Gazal, Oladele	Afolabi, Mariam	11:00 - 12:30 pm	Ballroom	22
	De Silva, Samera	11:00 - 12:30 pm	Ballroom	5
	Khan, Erum	11:00 - 12:30 pm	Ballroom	6
	Sanusi, Damilola	8:30 - 10:00 am	Ballroom	8
	Uzochukwu, Chimaobim	11:00 - 12:30 pm	Ballroom	5
	Zahra, Areej	1:30 - 3:00 pm	Ballroom	23
Julius, Matthew	Brown, Emily	9:00 - 2:00 pm	Gallery	
	Fodor, Kyla	9:00 - 2:00 pm	Gallery	
	Jungwirth, Joseph	11:00 - 12:30 pm	Ballroom	32
	Retzer, Christopher	9:00 - 2:00 pm	Gallery	
	Thompson, Maria	9:00 - 2:00 pm	Gallery	

## Biology

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Kvaal, Christopher	Ellis, Samuel	1:30 - 3:00 pm	Ballroom	33
	Flliatrault, Devin	8:30 - 10:00 am	Ballroom	15
	Godding, Micah	11:00 - 12:30 pm	Ballroom	36
	Hinz, Sandra	3:00 PM	Glacier North	
	Peiris, Wadumesthrige			
	Dinusha	8:30 - 10:00 am	Ballroom	26

	Schorr, Anna	11:00 - 12:30 pm	Ballroom	31
	Siegfreid, Joseph	11:00 - 12:30 pm	Ballroom	37
	Washburn, Alan	1:30 - 3:00 pm	Ballroom	16
Marcattilio, Anthony	Burski, Danielle	2:20 PM	Alumni	
Minger, Mark	Garlock, Colin	11:00 - 12:30 pm	Ballroom	40
	Kosloski, Andrew	8:30 - 10:00 am	Ballroom	29
	Loso, Megan	1:30 - 3:00 pm	Ballroom	41
	Sowada, Alyssa	1:30 - 3:00 pm	Ballroom	39
	Volkers, Jena	1:30 - 3:00 pm	Ballroom	40
Olson, Brian	Dell, Devon	1:30 - 3:00 pm	Ballroom	31
Schoenfuss, Heiko	Kalahar, Aaron	11:00 - 12:30 pm	Ballroom	11
	Kopeck, Kate	11:00 - 12:30 pm	Ballroom	38
	Kunkel, Jordon	1:30 - 3:00 pm	Ballroom	14
	Neherin, Jannatul	11:00 AM	Voyageurs North	
	Richardson, Ariana	1:30 - 3:00 pm	Ballroom	15
	Sakry, Rachel	1:30 PM	Voyageurs South	
	Wang, Lina	12:30 PM	Alumni	
	Warren, Les	12:50 PM	Alumni	

### Chemistry & Biochemistry

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Bruender, Nathan	Aston, Cody	8:30 - 10:00 am	Ballroom	7
Dobson, Cassidy	Anderson, Landon	11:00 - 12:30 pm	Ballroom	34
	Kamantauskas, Erica	11:00 - 12:30 pm	Ballroom	35
	Kludt, Logan	1:30 - 3:00 pm	Ballroom	32
	Kuester, Jordan	1:30 - 3:00 pm	Ballroom	32
	Mercurio, Nicholas	11:00 - 12:30 pm	Ballroom	34
	Oldenburg, Russell	11:00 - 12:30 pm	Ballroom	34
	Schmeltzer, Matthew	1:30 - 3:00 pm	Ballroom	32
Gardner, Thomas	Hall, Danielle	1:30 - 3:00 pm	Ballroom	29
Krystyniak, Rebecca	Bruc, Caroline	8:30 - 10:00 am	Ballroom	43

**Chemistry & Biochemistry**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Liu, Zengqiang	Hislop, Travis	11:00 - 12:30 pm	Ballroom	23
Mechelke, Mark	Bentz, Nicole	1:30 - 3:00 pm	Ballroom	22
Ramakrishnan, Latha	Klasen, Cassandra	1:30 - 3:00 pm	Ballroom	21
	Shankar, Sruthi	1:30 - 3:00 pm	Ballroom	21
Sivaprakasam, Kannan	Chinnamaneni, Satya Vani	8:30 - 10:00 am	Ballroom	11
	Hansen, Jared	1:30 - 3:00 pm	Ballroom	5
	Kazzaz, Suhaib	1:30 - 3:00 pm	Ballroom	6
	Sthapit, Animesh	1:30 - 3:00 pm	Ballroom	36
	Xiong, Tou	11:00 - 12:30 pm	Ballroom	46
Winter, Nathan	Berg, Rebecca	11:00 - 12:30 pm	Ballroom	21

**Computer Science & Information Technology**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Al-Azzam, Omar	Foka, Arsene	11:00 - 12:30 pm	Ballroom	44
	Reis, Erik	11:00 - 12:30 pm	Ballroom	44
	Wilford, Joshua	11:00 - 12:30 pm	Ballroom	44
	Zahid, Hamna	11:00 - 12:30 pm	Ballroom	44
Anda, Andrew	Bhattarai, Pratik	12:50 PM	Voyageurs South	
	Poudel, Ananda	1:30 - 3:00 pm	Ballroom	27
	Witthuhn, Jeffrey	1:10 PM	Voyageurs South	
Ghosh, Tirthankar	Hupp, Jacob	11:00 - 12:30 pm	Ballroom	41
	Worku, Kaleab	11:00 - 12:30 pm	Ballroom	41
Herath, Jayantha	Johnson, Dustin	8:40 AM	Glacier North	
Mekni, Mehdi	Jayan, Ashish	11:00 - 12:30 pm	Ballroom	20
	Loukusa, Kevin	11:00 - 12:30 pm	Ballroom	43
	Reller, Lucas	11:00 - 12:30 pm	Ballroom	20
Amiri, Rami	Schnettler, Michael	8:40 AM	Cascade	
	Manning, Neil	1:30 - 3:00 pm	Ballroom	44
	przybilla, scott	8:30 - 10:00 am	Ballroom	9
	Banskota, Sarbesh	12:30 PM	Voyageurs South	
Tomovic, Aleksandar	Bhattarai, Anup	12:30 PM	Voyageurs South	

Hamal, Kshitiz

12:30 PM

Voyageurs South

Time

**Electrical & Computer Engineering**



**Electrical & Computer Engineering**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Amiri, Rami	Sawadogo, Arnold	1:30 - 3:00 pm	Ballroom	44
	Schellberg, Grant	8:30 - 10:00 am	Ballroom	9
	Zarzar, Fedell	8:30 - 10:00 am	Ballroom	9
Glazos, Michael	Durant, Gavin	1:30 - 3:00 pm	Ballroom	42
	Koubsky, Gregory	1:30 - 3:00 pm	Ballroom	42
Hossain, Md	Strovers, Galen	8:30 - 10:00 am	Ballroom	30
	Wesley, Alan	8:30 - 10:00 am	Ballroom	30
Petzold, Mark	Benoit, Josh	1:30 - 3:00 pm	Ballroom	12
	Johannes, Austin	1:30 - 3:00 pm	Ballroom	12
	Kelzenberg, Joseph	1:30 - 3:00 pm	Ballroom	12
Vogt, Timothy	Beltz, Zane	11:00 - 12:30 pm	Ballroom	45
	Henning, Matt	1:30 - 3:00 pm	Ballroom	30
	Hietanen, Tyler	11:00 - 12:30 pm	Ballroom	45
	Hillukka, Todd	1:30 - 3:00 pm	Ballroom	30
	Walz, Conner	11:00 - 12:30 pm	Ballroom	45
	Wuollet, Paul	1:30 - 3:00 pm	Ballroom	30
Yao, Aiping	Das, Aman	1:30 - 3:00 pm	Ballroom	11
	Hess, Ryan	11:00 - 12:30 pm	Ballroom	33
	Johnson, Tyler	11:00 - 12:30 pm	Ballroom	33
	Karim, Saklain	1:30 - 3:00 pm	Ballroom	11
	Shaughnessy, Ryan	11:00 - 12:30 pm	Ballroom	33
	Tabora, Jose	1:30 - 3:00 pm	Ballroom	11
Zheng, Yi	Araujo, Jose	8:20 AM	Glacier North	
	Araujo, Jose	8:30 - 10:00 am	Ballroom	45
	Erlandson, Abigail	8:30 - 10:00 am	Ballroom	45
	Henningsgard, Steven	8:20 AM	Glacier North	
	Henningsgard, Steven	8:30 - 10:00 am	Ballroom	45

**Environmental & Technological Studies**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Bender, Mitch	Kruger, Matthew	11:40 AM	Glacier South	
	Nipp, Alex	11:40 AM	Glacier South	
Schroll, Mark	Oman, James	11:00 - 12:30 pm	Ballroom	42
Sundheim, Nancy	McNair, Fletcher	1:30 - 3:00 pm	Ballroom	43
	Nash, Andrew	1:30 - 3:00 pm	Ballroom	43
	Silbermann, Rebekka	1:30 - 3:00 pm	Ballroom	43

### Information Systems

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Herath, Susantha	Slauson, Matthew	12:50 PM	Glacier South	
	Weah, Syera	12:50 PM	Glacier South	

### Mathematics & Statistics

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Hanzsek-Brill, Melissa	Bang, Caroline	11:00 AM	Alumni	
Robinson, David	Aderibigbe, Fisayo	1:30 - 3:00 pm	Ballroom	34
	Cha, Li Xian	12:30 PM	Glacier North	
	Dwyer, Paranant	1:30 - 3:00 pm	Ballroom	34
	Fernando, Marian	1:30 - 3:00 pm	Ballroom	34
	Kaneza, Kelly Marvine	12:50 PM	Glacier North	
	Klein, Joel	1:10 PM	Glacier North	
	Lanoué, John	12:50 PM	Glacier North	
	Lanoué, John	2:00 PM	Glacier North	
	Levin, Abraham	12:30 PM	Glacier North	
	Levin, Abraham	2:00 PM	Glacier North	
	Miller, Justin	1:10 PM	Glacier North	
	Peschl, Sterling	1:30 PM	Glacier North	
	Richards, Andrea	2:20 PM	Glacier North	
	Richards, Andrea	1:30 - 3:00 pm	Ballroom	34
Sevre, Brandon	1:10 PM	Glacier North		
Siebert, Derek	1:10 PM	Glacier North		

Southard, Amy	1:30 PM	Glacier North
Strange, Brandon	1:10 PM	Glacier North
Theisen, Carleen	2:20 PM	Glacier North
Walcome, Alectra	2:40 PM	Glacier North
Peterson, Brian	2:00 PM	Glacier North

### Mechanical & Manufacturing Engineering

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Byun, Jeongmin	Aho, Blair	8:00 AM	Glacier North	
	Erickson, Allie	12:30 PM	Glacier South	
	Jurmu, Luke	12:30 PM	Glacier South	
	Mitchell, Brandon	8:00 AM	Glacier North	
	O'Brien, Paul	12:30 PM	Glacier South	
	Storm, Benjamin	8:00 AM	Glacier North	
	Vongphakdy, Khamla	8:00 AM	Glacier North	
Covey, Steven	Blumhoefer, Jon	8:00 AM	Cascade	
	Muzammil, Waqas	8:00 AM	Cascade	
	Zimmerman, Casey	8:00 AM	Cascade	
Little, Eric	Kariniemi, Spencer	2:00 PM	Voyageurs South	
	Keskey, Nick	2:00 PM	Voyageurs South	
	Loukusa, David	2:00 PM	Voyageurs South	
	Traut, Caleb	2:00 PM	Voyageurs South	

### Mechanical & Manufacturing Engineering

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Miller, Kenneth	Kesti, Briana	11:20 AM	Glacier South	
	Studniski, Gene	2:20 PM	Voyageurs South	
	Vang, Shiyeng	11:20 AM	Glacier South	
	VanSlyke, Heather	2:20 PM	Voyageurs South	
Sezen, Ahmet	Bekkala, Dustin	9:30 AM	Glacier North	
	Erickson, Meade	9:30 AM	Glacier North	
	Locatelli, Marcelo	2:40 PM	Alumni	
	Markham, Laura	2:40 PM	Alumni	

	Skreen, Maria	9:30 AM	Glacier North
	Stadem, Joshua	2:40 PM	Alumni
Shah, Hiral	Azmite, Ameha	11:20 AM	Cascade
	Dasari, Avinash	11:20 AM	Cascade
	Jafri, Syed Mohammed asad ullah	11:40 AM	Cascade
	Jafri, Syed Mohammed sami ullah	11:40 AM	Cascade
	Konduri, Suseela	11:00 AM	Cascade
	Mohammed, Nooruddin	11:40 AM	Cascade
	Patil, Shilpa	11:00 AM	Cascade
	Penumarthi, Saimithra	11:00 AM	Cascade
	Sha, Xinli	12:30 PM	Cascade
	Singal, Khushboo	11:20 AM	Cascade
	Suresh, Bharath Mohan	11:00 AM	Cascade
	Talakola, Yagnadat Reddy	11:20 AM	Cascade
	Trishala, Komal	11:00 AM	Cascade
	Vudugu, Ramswaroop	12:30 PM	Cascade
	Wang, Wei	12:30 PM	Cascade
Yin, Hang	12:30 PM	Cascade	
Zhao, Yongli	Anderson, Robert	9:50 AM	Voyageurs North
	Belich, Lucas	9:50 AM	Voyageurs North

### Physics & Astronomy

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Haglin, Kevin	Boe, Benjamin	10:10 AM	Voyageurs South	
	Boe, Benjamin	11:00 - 12:30 pm	Ballroom	19
	Kunkel, Anthony	11:00 - 12:30 pm	Ballroom	4
Lidberg, Russ	Hennagir, Seth	1:30 - 3:00 pm	Ballroom	28
	Rogers, Michael	8:30 - 10:00 am	Ballroom	10
Sinko, John	Baxter, Tyler	1:30 - 3:00 pm	Ballroom	18
	Chung, Eu Sheng	9:00 – 2:00 pm	Ballroom A	

**Physics & Astronomy**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Sinko, John	Corbett, Alexis	1:30 - 3:00 pm	Ballroom	17
	Corgard, David	1:30 - 3:00 pm	Ballroom	4
	DeSilva, Amila	9:00 – 2:00 pm	Ballroom A	
	Hartman, Sam	1:30 - 3:00 pm	Ballroom	35
	Hislop, Travis	1:30 - 3:00 pm	Ballroom	17
	Rupp, Meredith	1:30 - 3:00 pm	Ballroom	17
	Tamariz, Dareck	9:00 – 2:00 pm	Ballroom A	
	Vega, Yesenia	11:00 - 12:30 pm	Ballroom	12

**Herberger Business School****Finance, Insurance & Real Estate**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Hight, Gregory	Alnassar, Mohammed	8:30 - 10:00 am	Ballroom	13
	Loch, Conner	8:30 - 10:00 am	Ballroom	13

**Information Systems**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Herath, Susantha	Babcock, Zachary	2:00 PM	Glacier South	
	Ewumi, Olabisi	2:20 PM	Glacier South	
	Kuschel, Anthony	2:00 PM	Glacier South	
	Watters, Ben	2:40 PM	Glacier South	
Schmidt, Mark	Abideen, Zain	9:50 AM	Glacier South	
	Acikkol, Sara	11:00 AM	Glacier North	
	Akanet, Henry	8:40 AM	Glacier South	
	Chen, Charlie	10:10 AM	Glacier South	
	Faust, Joshua	9:00 AM	Alumni	
	Giri, Surendra	8:40 AM	Glacier South	
	Jackson, Patrick	1:10 PM	Voyageurs North	
	Jakka, Sasidhar	8:20 AM	Glacier South	
	Khambatta, Mustafa	10:30 AM	Glacier South	
	Lankatilake, Kamchana	1:10 PM	Voyageurs North	
Mirza, Talha	9:50 AM	Glacier South		

Momo tsamo, Pavel	10:10 AM	Glacier South
Mosakheil, Jamal Hayat	12:00 PM	Glacier North
Nanneboina, Thejaswini	11:20 AM	Glacier North
Phan, Kim	9:30 AM	Alumni
Poudel, Bipul	11:40 AM	Glacier North
Sapkota, Garima	11:00 AM	Glacier North
Smith, William	9:30 AM	Alumni
Smith, William	12:30 PM	Voyageurs North
Stewart, Alexander	12:00 PM	Glacier North
Thapaliya, Godhuli	11:40 AM	Glacier North
Tummala, Karteek	11:20 AM	Glacier North
Uprety, Praveen	9:00 AM	Alumni

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
DeBruycker, Jo	Baker, James	11:00 - 12:30 pm	Ballroom	30
	Forrest, Hannah	11:00 - 12:30 pm	Ballroom	30
	From, Breanna	11:00 - 12:30 pm	Ballroom	30

**School of Health & Human Sciences****Communication Sciences & Disorders**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Rangamani, Grama	Anderson, Jane	11:00 - 12:30 pm	Ballroom	27
	Rumpca, Amanda	11:00 - 12:30 pm	Ballroom	9
Tilstra, Janet	Coffman, Megan	11:00 - 12:30 pm	Ballroom	28
	Gonia, Teresa	11:00 - 12:30 pm	Ballroom	28
	Koziol, Caroline	11:00 - 12:30 pm	Ballroom	28
	Liebe, Ellen	11:00 - 12:30 pm	Ballroom	28

**Community Psychology, Counseling, and Family Therapy**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Christman, Seth	Tast, Molly	10:30 AM	Alumni	
Guo, Yuh-Jen	Immerfall, Katie	1:30 - 3:00 pm	Ballroom	9
	Nelson, Samuel	1:30 - 3:00 pm	Ballroom	54
	Phillips, Lexi	1:30 - 3:00 pm	Ballroom	54
Page, Edward	Massey, Andrew	11:00 - 12:30 pm	Ballroom	8
Peltier, Steven	Jack, Ellie	9:30 AM	Cascade	
Traub, Michele	Amiot, Jessica	11:00 - 12:30 pm	Ballroom	29
Wang, Shu-Ching	Ahmed, Hodan	11:00 - 12:30 pm	Ballroom	17
Witts, Benjamin	McGrath, Jaclyn	11:00 - 12:30 pm	Ballroom	25
	Rzeszutek, Mark	11:00 AM	Voyageurs South	
	Snow, Sara	11:00 - 12:30 pm	Ballroom	26
	Takle, Nicole	1:30 - 3:00 pm	Ballroom	8

**Medical Laboratory Science**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Millis, Louise	Checkole, Saron	8:30 - 10:00 am	Ballroom	31
	Fitsum, Betlhem	8:30 - 10:00 am	Ballroom	31
	Jensch, Rebecca	8:30 - 10:00 am	Ballroom	27
	Mueller, Nicole	11:00 - 12:30 pm	Ballroom	39
	pederson, michael	8:30 - 10:00 am	Ballroom	31
	Stein, Megan	8:30 - 10:00 am	Ballroom	31
	wauna, chinkumbi	11:00 - 12:30 pm	Ballroom	39
	Yang, Dee	8:30 - 10:00 am	Ballroom	31
	Campion, Brittany	11:00 - 12:30 pm	Ballroom	39





**Nursing**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
	Just, Samantha	11:00 - 12:30 pm	Ballroom	30
	Keller, Sabrina	11:00 - 12:30 pm	Ballroom	30
	Pietila, Jane	11:00 - 12:30 pm	Ballroom	30
	Ragatz, Amber	11:00 - 12:30 pm	Ballroom	30
	Schaar, Lauren	11:00 - 12:30 pm	Ballroom	30
Huard, Randy	Baker, James	11:00 - 12:30 pm	Ballroom	30
	Berscheid, Bonnie	1:30 - 3:00 pm	Ballroom	53
	Brittain, Courtney	8:30 - 10:00 am	Ballroom	46
	Broermann, Korina	1:30 - 3:00 pm	Ballroom	53
	Forrest, Hannah	11:00 - 12:30 pm	Ballroom	30
	From, Breanna	11:00 - 12:30 pm	Ballroom	30
	Horn, Hannah	8:30 - 10:00 am	Ballroom	47
	Huber, Chloe	8:30 - 10:00 am	Ballroom	48
	Judes, Ashley	1:30 - 3:00 pm	Ballroom	53
	Just, Samantha	11:00 - 12:30 pm	Ballroom	30
	Kasper, Tarynn	8:30 - 10:00 am	Ballroom	46
	Keller, Sabrina	11:00 - 12:30 pm	Ballroom	30
	Kellner, Katie	8:30 - 10:00 am	Ballroom	47
	Kiehl , Kelsey	8:30 - 10:00 am	Ballroom	48
	Kounsa, Jennifer	1:30 - 3:00 pm	Ballroom	53
	McPhee, Katlynn	8:30 - 10:00 am	Ballroom	47
	Minnerath, Rachel	8:30 - 10:00 am	Ballroom	48
	Monson, Amanda	1:30 - 3:00 pm	Ballroom	53
	Nguyen, Ryan	8:30 - 10:00 am	Ballroom	48
	Patton, Rebecca	8:30 - 10:00 am	Ballroom	46
	Phipps, Richard	8:30 - 10:00 am	Ballroom	48
	Pietila, Jane	11:00 - 12:30 pm	Ballroom	30
	Prigge, Ashley	8:30 - 10:00 am	Ballroom	48
	Primmer, Abby	8:30 - 10:00 am	Ballroom	48
	Queen, Chelsey	8:30 - 10:00 am	Ballroom	48

	Ragatz, Amber	11:00 - 12:30 pm	Ballroom	30
	Schaar, Lauren	11:00 - 12:30 pm	Ballroom	30
	Schmitt, Anna	8:30 - 10:00 am	Ballroom	46
	Schramel, Ashlea	8:30 - 10:00 am	Ballroom	47
Warner, Susan	Bevans, Courtney	3:30 – 4:30 pm	Theatre	
	Boeck, Janice	8:30 - 10:00 am	Ballroom	32
	Brown, Krystal	8:30 - 10:00 am	Ballroom	32
	Brown, Krystal	3:30 – 4:30 pm	Theatre	
	Harris , Mackenzie	8:30 - 10:00 am	Ballroom	32
	Julin, Janet	8:30 - 10:00 am	Ballroom	32
	Kent, Emily	8:30 - 10:00 am	Ballroom	32
	Pangerl, Joseph	8:30 - 10:00 am	Ballroom	32
	Berscheid, Bonnie	1:30 - 3:00 pm	Ballroom	53

### Nursing

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	
<u>Easel</u>				
Warner, Susan	Brittain, Courtney	8:30 - 10:00 am	Ballroom	46
	Broermann, Korina	1:30 - 3:00 pm	Ballroom	53
	Horn, Hannah	8:30 - 10:00 am	Ballroom	47
	Hiscock, Kari	3:30 – 4:30 pm	Theatre	
	Huber, Chloe	8:30 - 10:00 am	Ballroom	48
	Judes, Ashley	1:30 - 3:00 pm	Ballroom	53
	Kane, Ellen	3:30 – 4:30 pm	Theatre	
	Kasper, Tarynn	8:30 - 10:00 am	Ballroom	46
	Keller, Sabrina	11:00 - 12:30 pm	Ballroom	30
	Kent, Emily	3:30 – 4:30 pm	Theatre	
	Kellner, Katie	8:30 - 10:00 am	Ballroom	47
	Kiehl , Kelsey	8:30 - 10:00 am	Ballroom	48
	Kounsa, Jennifer	1:30 - 3:00 pm	Ballroom	53
	McPhee, Katlynn	8:30 - 10:00 am	Ballroom	47
	Minnerath, Rachel	8:30 - 10:00 am	Ballroom	48
	Minnerath, Rachel	3:30 – 4:30 pm	Theatre	
	Monson, Amanda	1:30 - 3:00 pm	Ballroom	53

	Nguyen, Ryan	8:30 - 10:00 am	Ballroom	48
	Olson, Brie	3:30 – 4:30 pm	Theatre	
	Patton, Rebecca	8:30 - 10:00 am	Ballroom	46
	Phipps, Richard	8:30 - 10:00 am	Ballroom	48
	Prigge, Ashley	8:30 - 10:00 am	Ballroom	48
	Primmer, Abby	8:30 - 10:00 am	Ballroom	48
	Queen, Chelsey	8:30 - 10:00 am	Ballroom	48
	Schmitt, Anna	8:30 - 10:00 am	Ballroom	46
	Schramel, Ashlea	8:30 - 10:00 am	Ballroom	47
	Wahlgren, Samantha	8:30 - 10:00 am	Ballroom	32
	Wahlgren, Samantha	3:30 – 4:30 pm	Theatre	
DeBruycker, Jo	Baker, James	11:00 - 12:30 pm	Ballroom	30
	Bevans, Courtney	3:30 – 4:30 pm	Theatre	
	Brown, Krystal	3:30 – 4:30 pm	Theatre	
	Forrest, Hannah	11:00 - 12:30 pm	Ballroom	30
	From, Breanna	11:00 - 12:30 pm	Ballroom	30
	Hiscock, Kari	3:30 – 4:30 pm	Theatre	
	Just, Samantha	11:00 - 12:30 pm	Ballroom	30
	Kane, Ellen	3:30 – 4:30 pm	Theatre	
	Keller, Sabrina	11:00 - 12:30 pm	Ballroom	30
	Kent, Emily	3:30 – 4:30 pm	Theatre	
	Minnerath, Rachel	3:30 – 4:30 pm	Theatre	
	Olson, Brie	3:30 – 4:30 pm	Theatre	
	Pietila, Jane	11:00 - 12:30 pm	Ballroom	30
	Ragatz, Amber	11:00 - 12:30 pm	Ballroom	30
	Schaar, Lauren	11:00 - 12:30 pm	Ballroom	30
	Wahlgren, Samantha	3:30 – 4:30 pm	Theatre	

### Social Work

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Moriarty, Sheila	Huls, Kelsey	8:30 - 10:00 am	Ballroom	12

### University College

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Schuck, Holly	Bauer, Aaron	9:50 AM	Alumni	

**School of Education**

**Educational Leadership & Higher Education**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Imbra, Christine	Blank, Shawn	8:30 - 10:00 am	Ballroom	16
	Bradley, James	8:30 - 10:00 am	Ballroom	17
	Earl, Attina	8:30 - 10:00 am	Ballroom	18
	Gutsch, Lindsey	8:30 - 10:00 am	Ballroom	19
	Klug, Patricia	8:30 - 10:00 am	Ballroom	20
	Larson, Amanda	8:30 - 10:00 am	Ballroom	21
	McAlister, Molly	8:30 - 10:00 am	Ballroom	22
	Oliveira, Kristopher	8:30 - 10:00 am	Ballroom	23
	Schuck, Holly	8:30 - 10:00 am	Ballroom	24
	Young-Trego, Renee	8:30 - 10:00 am	Ballroom	25

**School of Public Affairs**

**Economics**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
Garcia-Perez, Monica	Bolduc, Ryan	2:00 PM	Voyageurs North	
	Donou, Honorat	2:20 PM	Voyageurs North	
	Donou, Honorat	1:30 - 3:00 pm	Ballroom	63
	Fitsum, Ruth	8:00 AM	Voyageurs North	
	Fuchs, Chris	8:20 AM	Voyageurs North	
	Helgestad, Jedd	2:40 PM	Voyageurs North	
	Laughlin, Daniel	3:00 PM	Voyageurs North	
	Nwachuku, Onyedimma	8:40 AM	Voyageurs North	
	Schlosser, Sean	9:00 AM	Voyageurs North	
	Stanishevskia, Taisiia	3:00 PM	Voyageurs North	

**Geography & Planning**

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
John, Gareth	Anderson, Niki	11:00 - 12:30 pm	Ballroom	18

Arneson, Alex	1:30 - 3:00 pm	Ballroom	59
Bachschneider, Amy	10:10 AM	Glacier North	
Bergman, Tiffany	1:30 - 3:00 pm	Ballroom	60
Birr, Travis	10:30 AM	Glacier North	
Kotlarz, Mark	1:30 - 3:00 pm	Ballroom	24
Locke, Thomas	1:30 - 3:00 pm	Ballroom	25
Mundis, Angela	9:30 AM	Voyageurs South	
Papay, Melissa	1:30 - 3:00 pm	Ballroom	61

### Geography & Planning

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>	<u>Easel</u>
John, Gareth	Porttiin, Nathan	1:30 - 3:00 pm	Ballroom	26
	Seely, Zoey	11:40 AM	Voyageurs North	
	Shanahan, Adam	1:30 - 3:00 pm	Ballroom	62
	Stanojevic, Nebojsa	11:20 AM	Voyageurs North	
Ugochukwu, Chukwunyere	Colad , Abshir	1:30 - 3:00 pm	Ballroom	55
	Henle, Spencer	1:30 - 3:00 pm	Ballroom	56
	Krueger, Ryan	1:30 - 3:00 pm	Ballroom	57
	Osman, Abdirahim	1:30 - 3:00 pm	Ballroom	58

### Political Science

<u>Faculty Sponsor</u>	<u>Presenter</u>	<u>Time</u>	<u>Room</u>
<u>Easel</u>			
Greaves, Edward	Oluwagbemi, Oluwatobi	8:20 AM	Cascade
	Oluwagbemi, Oluwatobi	3:00 PM	Alumni

Special thanks to all of the judges! This event would not be possible without your dedication and support of SCSU students and the Student Research Colloquium!

Kelly Branam Macauley, Sociology Anthropology

Judith Dorn, English

Marina Cetkovic-Cvrlje, Biology

Melanie Guentzel, School of Graduate Studies

Gregory Hight, Finance, Insurance and Real Estate

Rob Mann, Sociology and Anthropology

Leah Meredith, Health and Human Services

Louise Millis, Medical Laboratory Science

Nancy Mills, University College

Kristin Modrow, Public Affairs

Richard Mowe, Emeriti

Alex Polacco, Management

Kristin Portz, Accounting

Latha Ramakrishnan, School of Graduate Studies/Research and Sponsored Programs

Gail Ruhland, Center for Continuing Studies

Mark Schroll, Environmental and Technological Studies

Michael Schwartz, Intensive English Center

John Sinko, Physics and Astronomy

Mary Soroko, Herberger Business School

Seth Taft, Anthropology, Cultural Resource Management

Leslie Valdes, Psychology

Rachel Wexelbaum, Learning Resources Services

Peiyi Zhao, Mathematics and Statistics

**NOTES:**





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*Special thanks to all the faculty, staff, and student volunteers who serve as session moderators, judges, coordinators, and planning committee members in support of the Colloquium.*



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