

Graduate Research Achievement Day 2022

Sessions Schedule

Session: 1A

Date/Time: 3/3/2022, 9:00:00 AM

Zoom Link: <https://und.zoom.us/j/97498734209?pwd=TmEydxRacVpOOFgwVTJpbW9SWGNMUT09>

Participants:

- **Michael Wussow**, A New Age of Automated Aviation: Safe and Realistic or an Unlikely Fantasy? Assessing Risk and Educational Deficiencies of Advanced Air Mobility (AAM)
- **Nathan Ruprecht**, Seminal Analysis of Genetic Data to Explore Ionizing Radiation-Biological Age Associations
- **Sonya Lundstrom**, School Counseling Outcomes: A Ten-Year AB Single Subject Times-Series Analysis of Attendance and Minnesota Comprehensive Assessment (MCA) Proficiency Data
- **Elizabeth Bruner**, Intergenerational Play: An Examination of Play Styles, Patterns, Trends and Predictions Over Three Familial Generations
- **Jacob Shaughnessy**, Utilizing Remote Sensing Techniques For Cost-Effective Monitoring of Water Quality

Session: 1B

Date/Time: 3/3/2022, 9:00:00 AM

Zoom Link: <https://und.zoom.us/j/97361568138?pwd=cTVGUURYVGFqWEtJWHIUUVJ1bW9QQT09>

Participants:

- **Wyatt Larson**, The Conversion of Corn Stover Derived Lignin to Salable Products Via Sodium Hydroxide Catalyzed Decomposition in Near Super Critical Water
- **David Isie**, Application of Blockchain Technology: Privacy Issues in eHealth Domain
- **Kelly Gibbons**, Effects of the Mediterranean Diet on Cancer Prevention in Adults
- **Krystie Seese**, Examining Co-Teaching Strategies and Faculty Experiences
- **Kerry Toups**, Creating a Clinical Rotation Workbook for the Medical Laboratory Technician Student

Session: 1C

Date/Time: 3/3/2022, 9:00:00 AM

Zoom Link: <https://und.zoom.us/j/91669035575?pwd=bGVkQjQ5RTZ5TU1BZEo4RlRvcXU2UT09>

Participants:

- **Al Thibeault**, Dynamics of the Rare Earth Element Industry: Supply Chain Gets You There, Global Value Chain Keeps You There
- **Sabina Sliney**, A Systematic Review of Insomnia and COVID-19 Using the Matrix Method
- **Zachary Sebens**, Disparities in Early Prenatal Care and Barriers to access among American Indian and white Women in North Dakota
- **Valerie Lefor**, An Analysis of Rural States' Use of Federal Government Terminology Related to Federal Student Aid and Postsecondary Accreditation
- **Yi Dong**, Qing Dynasty's Imperial examination system and its abolition

Session: 1E

Date/Time: 3/3/2022, 9:00:00 AM

Zoom Link: <https://und.zoom.us/j/92920782072?pwd=b2ZpY2hkc0k1dmNjemQvTUVXN3RDZz09>

Participants:

- **Cooper Wade**, EVALUATING THE IMPACT OF ELECTRICITY AND ELECTRON MOVEMENT ON THE ELECTRIC GRID FROM DISTRIBUTED GENERATION
- **Brooke Morris**, Barriers for use of Continuous Glucose Monitoring and Diabetes Control in Pediatric Patients with Type 1 Diabetes in Rural Areas
- **Lexie Schmidt**, Adverse Childhood Experiences, Domestic Violence and racial disparities in early prenatal care in North Dakota (ND PRAMS 2017-2019)
- **Jessica Schiller**, Administrative Burden in Federal Research Grant Management

Session: 2A

Date/Time: 3/3/2022, 10:00:00 AM

Zoom Link: <https://und.zoom.us/j/95290372636?pwd=Ml9ESlZTdjQwTGtVKysvV3QzV0dxQT09>

Participants:

- **Drew Downing**, Achieving net-zero emissions through nuclear power.
- **Amy Lee**, Gaming in Nursing Simulation: Creating an Escape Room
- **MichaelLynn Kanichy**, Exposure to Domestic Violence and racial disparities in breastfeeding in North Dakota (ND PRAMS 2017-2019)
- **Aubrey Madler**, Engaging Undergraduate Students in Classroom Discussion: Exploring Impacts on Reflective Judgment Skills
- **Rebecca Reeves**, Iris Clubhouse: Experiences of Community Integration

Session: 2B

Date/Time: 3/3/2022, 10:00:00 AM

Zoom Link: <https://und.zoom.us/j/98619675309?pwd=aStJOGNScURDOFIIZ2FzTFRyNnFtQT09>

Participants:

- **Idiomosen Augustus**, PRESSURE TRANSIENT ANALYSIS APPLICATION TO GEOLOGIC RESERVOIR CHARACTERIZATION OF A TURBIDITE RESERVOIR IN WEST AFRICAN TRANSFORM MARGIN BASIN OFFSHORE COTE D'IVOIRE
 - **Lauren Bram**, Calcium Carbonate in Waste Flooring for Acid Neutralization of Abandoned Mine Drainage
 - **Rachel Guyer**, The association between seat belt use and screening for colorectal, prostate, cervical, and female breast cancer: Results from the 2020 BRFSS study
 - **Jeffrey Rogers**, Supplying Space: 3D Printing for Interplanetary Logistics
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Session: 2C

Date/Time: 3/3/2022, 10:00:00 AM

Zoom Link: <https://und.zoom.us/j/95991264333?pwd=SHBhUkU5aitpRWMvMmY2YThJMIptQT09>

Participants:

- **Francis Idachaba**, Multiple Surface Pipeline Leak Detection Using Real Time Sensor Data Analysis
 - **Amanda Phillips**, Diet, Alzheimer's disease, and dementia: How the foods we eat impact cognitive function during aging
 - **Amy Stiffarm**, Maternal Mental Health and Indigenous Birthing People in the US
 - **Kendrick Kruskie**, Competency in the Courtroom: Before & After Dusky
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