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=cTVGUURYVGfqWtJWHUIUVJ1bW9QQT09

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=bGVkJQ5RTZ5TU1BZEd4RlRvcXU2UT09

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](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

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**Session: 2A**
**Date/Time:** 3/3/2022, 10:00:00 AM
**Zoom Link:** [https://und.zoom.us/j/95290372636?pwd=Mj9ESlZTdjQwTGTvKysvV3QzV0dxQT09](https://und.zoom.us/j/95290372636?pwd=Mj9ESlZTdjQwTGTvKysvV3QzV0dxQT09)

**Participants:**
- **Drew Downing,** Achieving net-zero emissions through nuclear power.
- **Amy Lee,** Gaming in Nursing Simulation: Creating an Escape Room
- **Michael Lynn 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

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**Session: 2B**
**Date/Time:** 3/3/2022, 10:00:00 AM
**Zoom Link:** [https://und.zoom.us/j/98619675309?pwd=aStJOGNsScURDOFlZ22FzTFRyNnFtQT09](https://und.zoom.us/j/98619675309?pwd=aStJOGNsScURDOFlZ22FzTFRyNnFtQT09)

**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
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