

Graduate Student Agricultural Sciences Oral Session - 9:30am-11:00am, Room 212

| Presentation Time | First name | Last name | Academic department | faculty advisor | abstract title |
|--------------------------|-------------------|------------------|----------------------------|------------------------|--|
| 9:30am | Liyan | CHEN | Grain Science and Industry | Praveen V. Vadlani | Nutritional enhancement of soybean meal and hull for animal feed via microbial bioconversion |
| 9:45am | Koichi | Yamaura | Agricultural Economics | Tian Xia | Estimating the Effect of Green Tea Trade in the U.S. from 1997 to 2008 |
| 10:00am | Alysha | Soper | Entomology | Brian McCornack | Multiple species threshold recommendations in sorghum- Is a one-model-fits-all strategy the best approach? |
| 10:15am | Hyma | Gajula | Grain Science and Industry | Hulya Dogan | Rheological and structural properties of hard and soft wheat flour systems with bran inclusions |
| 10:30am | kalaiyarasi | pidaran | Department of Agronomy | Robert Aiken | Planting geometry effects on sorghum productivity in water limiting conditions |
| 10:45am | Jason | Fewell | Agricultural Economics | Jason Bergtold | Kansas Crop Acreage Shifts due to Increased Bioenergy Crop Demand |

Graduate Student Social Sciences, Humanities, and Education Oral Session - 12:00pm-3:00pm, Big XII Room

| Presentation Time | First name | Last name | Academic department | faculty advisor | abstract title |
|-------------------|------------|-----------|--------------------------------------|---------------------|--|
| 12:00pm | Chi-Yin | Wu | Economics | Philip G. Gayle | A Re-examination of Incumbents' Response to the Threat of Entry: Evidence from the Airline Industry |
| 12:15pm | Cosette | Armstrong | Apparel, Textiles, & Interior Design | Melody LeHew | Walking the Green Mile: A Journey in the Integration of Sustainability in Apparel and Textiles Education |
| 12:30pm | Rachelle | Doan | English | Joe Sutliff Sanders | Writing Center Spaces as Tangible Examples of Invitational Rhetoric |
| 12:45pm | Amanda | Morales | Curriculum and Instruction | Gail Shroyer | "Ganas": The power and potential in developing Latina ELL teachers for racial uplift. |
| 1:00pm | Caroline | Simpson | Political Science | James Franke | Gender and Domestic Terrorism: What Empowerment Can Tell Us About a States Propensity Towards Political Violence |
| 1:15pm | Tamanna | Shah | Sociology | Nadia Shapkina | Narratives in Exile: Kashmiri Pandits - Migrants in Their Own Homeland and their Struggle to Maintain Their Identity |
| BREAK | | | | | |
| 1:45pm | Anirban | Mukherjee | Sociology | W. Richard Goe | Structural Impediments to Mobility: A Case Study of Tribals in India |
| 2:00pm | Staci | Horton | Department of Music | Jana Fallin | Effects of using Digital Storytelling with Elementary Students |

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|--------------------------|-------------------|-------------------|----------------------------|------------------------|---|
| 2:15pm | Coty | Garnett Steinmetz | Political Science | James Franke | Cohort Aging and Political Attitudes Regarding Issue Particularity |
| 2:30pm | Wendy | Dickey | Political Science | James Franke | 'U.S. Foreign Aids Impact on NGOs' |
| 2:45pm | Nasser | Juma | Physics | Sanjay Rebello | Facilitating Students' Assimilation of Electronics and Physical Measurements Through Ill-structured Capstone Projects |

Graduate Student Engineering, Math, and Physical Sciences Oral Session - 12:00pm-3:15pm, Room 212

| Presentation Time | First name | Last name | Academic department | faculty advisor | abstract title |
|-------------------|------------|-----------|----------------------|------------------------|--|
| 12:00pm | Robinson | Barker | Geology | Saugata Datta | Geochemical modeling in understanding reaction kinetics of CO ₂ -water interaction in Arbuckle formation, South-central Kansas |
| 12:15pm | O.C. | Eke | Geology | Saugata Datta | UNDERSTANDING NITRATE DYNAMICS IN A KANSAS GRASSLAND: SEDIMENT GEOCHEMISTRY AND STABLE ISOTOPE STUDY |
| 12:30pm | Mathew | Crawford | Geology | Saugata Datta | Selenium Speciation and Mobilization in a Controlled Wetland System: Pariette Wetlands, UT |
| 12:45pm | Eve | Metto | Chemistry | Christopher Culbertson | Demonstration of Rapid Single Cell Analysis on Simple Microfluidic Devices |
| 1:00pm | Ayomi | Perera | Chemistry | Stefan Bossmann | Purification and Analytical Assessment of the Mycobacterial Porin MspA and Investigation of its Channel Activity and Potential Use for a Protein Nano Solar Cell |
| 1:15pm | Neha | Dhiman | Chemical Engineering | Mary Rezac | Making a Biorefinery economically viable: An approach for efficient conversion of carbohydrates to value added products |
| BREAK | | | | | |

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|--------------------------|-------------------|------------------|--|--------------------------|--|
| 1:45pm | Md Tashfin | Hossain | Chemical Engineering | James Edgar | Electrical Characterization of GaN Metal Oxide Semiconductor capacitor with Al ₂ O ₃ as the Gate Oxide |
| 2:00pm | Sayak | Bose | Electrical and Computer Engineering | Bala Natarajan | Reconfiguration Performance Analysis of Shipboard Power System with Non-radial Power Flow |
| 2:15pm | Shih-Hsiung | Chou | Industrial and Manufacturing Systems Engineering | Shing I Chang | Detection and Diagnostic of Shape and Variation Changes in Nonlinear Profiles |
| 2:30pm | Kebing | Yu | Mechanical and Nuclear Engineering | Kevin Lease | A New Method of Adaptive Integration with Error Control for Bond-Based Peridynamics |
| 2:45pm | Arka P | Chattopadhyay | Mechanical and Nuclear Engineering | Kevin Lease and Jack Xin | Elastic Buckling Behavior of Plates and Tubular Structures |
| 3:00pm | Nassim | Rahmani | Mechanical and Nuclear Engineering | Kevin Lease | Measuring the Interfacial Adhesion of PDMS to Functionalized Substrates by Means of Contact Mechanics |

Graduate Student Biological Sciences Oral Session - 1:30pm-3:00pm, Flinthills Room

| Presentation Time | First name | Last name | Academic department | faculty advisor | abstract title |
|-------------------|---------------|------------|--------------------------------|-----------------------|---|
| 1:30pm | Ramandeep | Kaur | College of Veterinary Medicine | Katherine S. KuKanich | Evaluation of a Multifaceted Hand Hygiene Campaign in Outpatient Healthcare Clinics |
| 1:45pm | Alex | Acheampong | Human Nutrition | Brian Lindshield | 5 α -reductase inhibition to decrease prostate tumor growth |
| 2:00pm | Xin | Zhu | Biology | Susan Brown | Genetic analysis of segmentation in the red flour beetle, Tribolium |
| 2:15pm | Vijayalakshmi | Iyer | Biology | Lynn Hancock | Alternate sigma factor (RpoN) promotes extracellular DNA (eDNA) independent biofilm formation in Enterococcus faecalis. |
| 2:30pm | Akshay | Moharir | Biology | Stephen K. Chapes | Can macrophages become adipocytes ? |
| 2:45pm | Deepthi | Uppalapati | Anatomy and Physiology | Masaaki Tamura | Identification of molecular mechanisms involved in tumor growth attenuation by rat umbilical cord matrix stem cells |