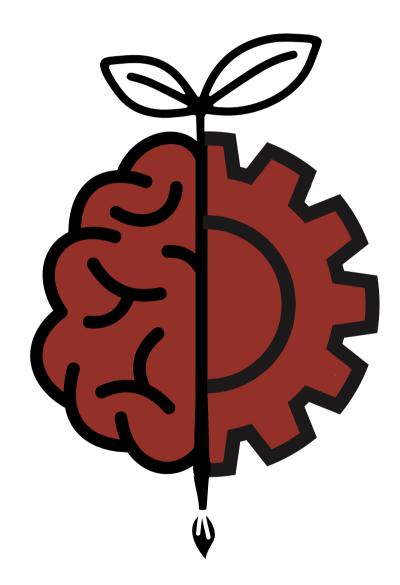
Research & Arts 2023 Symposium



FRIDAY, NOVEMBER 10TH, 2023

NEW MEXICO STATE UNIVERSITY
Corbett Center Student Union, Las Cruces, NM

PRESENTED BY GRADUATE STUDENT COUNCIL

WELCOME



Dear NMSU Students, Faculty, Staff, and Guests,

Welcome to NMSU's 2023 Graduate Research and Arts Symposium! Thank you for joining us!

GRAS is an annual celebration presented by the Graduate Student Council intended to recognize the dedication, diligence, resilience, and creativity of NMSU's graduate community. It is an opportunity for graduate students from diverse academic areas – from ACES to art, from the STEM fields to the humanities – to come together to share their work and the contributions they've made in their chosen fields. This year, we have 150+ submissions representing every college and almost every department. On November 10th, the entire NMSU community can explore the breadth of leading-edge work done by our graduate students.

GRAS is a time to recognize our graduate students for their work in research and the arts. It also provides graduate students with the opportunity to hone their presentation skills before venturing on to represent our university at professional seminars and conferences throughout the world. The work of NMSU graduate students directly reflects the reputation of New Mexico State University as a leading institution of higher learning and promotes the university's goal of reaching R-1 status.

In addition to benefiting graduate students, GRAS offers an opportunity for NMSU undergraduates to find out what graduate students do and to ponder graduate studies for themselves. For NMSU administration, staff, and faculty, GRAS is an opportunity to recognize the continuing success of our graduate students.

As NMSU's Graduate Student Council, we invite you to explore the world of NMSU graduate studies through GRAS. We thank everyone who has helped make this year's symposium possible. This includes our GRAS participants and volunteers as well as ASNMSU. We would also like to offer our sincere gratitude to the Graduate School, the Vice President of Student Success, the Deans from every college, and the Office of Research, Creativity, and Economic Development for providing critical funding. This year, graduate students will be competing for more than \$15,000 in scholarships.

We sincerely appreciate everyone's hard work, and we wish everyone a rich and stimulating experience at GRAS 2023.

Sincerely,

Valeigh Naven, &SC Treasurer

Anna Harmon, GSC Secretary

Sister Easly-Anith, GSC Webmaster

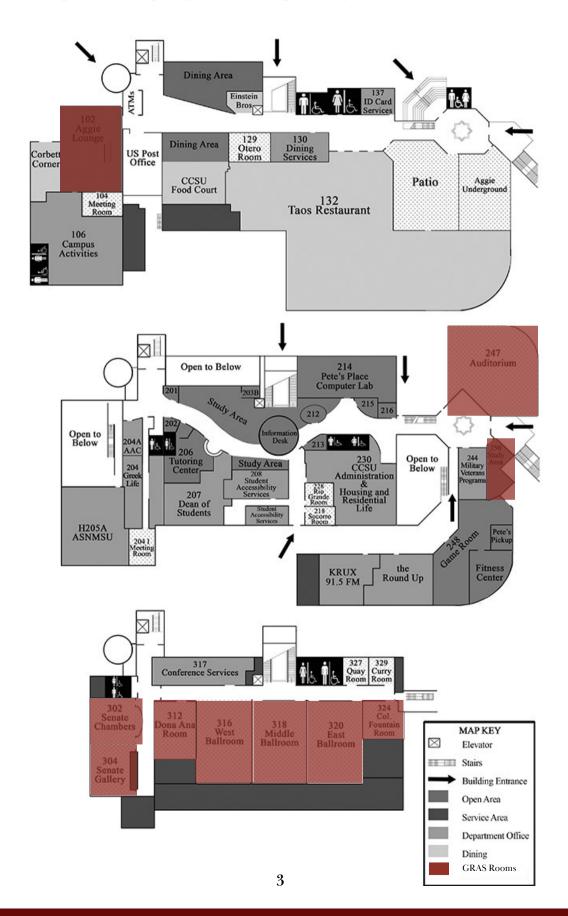
SARBAJIT BASO, GSC VICE PRESIDENT

OF ACTIVITIES

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MAP OF LOCATIONS



AGENDA

MORNING

8:00 A.M. - 12:30 P.M.

8:45 A.M.: REGISTRATION OPENS

BALLROOM HALLWAY

9:00 A.M. - 9:30 A.M.: WELCOME SESSION

EAST BALLROOM

9:30 A.M. - 5:30 P.M.: POSTER SESSION

AGGIE LOUNGE

9:30 A.M. - 10:30 A.M.: LIGHTNING TALKS

WEST BALLROOM

9:30 A.M. - 11:00 A.M.: PRESENTATION SESSION I

SENATE GALLERY, SENATE CHAMBERS, WEST BALLROOM, CENTRAL BALLROOM & COLONEL FOUNTAIN ROOM

11:00 A.M. - 12:30 P.M.: PRESENTATION SESSION II

SENATE CHAMBERS, WEST BALLROOM & COLONEL FOUNTAIN ROOM

AFTERNOON

12:30 P.M. - 6:30 P.M.

12:30 P.M. - 1:30 P.M.: LUNCH BREAK

EAST BALLROOMS

1:30 P.M. - 3:00 P.M.: PRESENTATION SESSION III

SENATE CHAMBERS, CENTRAL BALLROOM & COLONEL FOUNTAIN ROOM

3:00 P.M. - 4:00 P.M.: PRESENTATION SESSION IV

DONA ANA ROOM

3:00 P.M. - 5:30 P.M.: MUSIC AND OPEN MIC PERFORMANCES

CCSU AUDITORIUM

5:30 P.M. - 6:30 P.M.: CLOSING SESSION & AWARDS

CCSU AUDITORIUM

ORAL PRESENTATIONS I

9:30 A.M. - 10:30 A.M. Senate Gallery

RAYMOND TETTEH

ACES - Agricultural Extension and Education

Significant Support: Describing Work-Life
Balance and Job Satisfaction of Agricultural
Educators

PATTY MULLANY

HEST - Kinesiology

"Even with the craziness, it worked": PE Teachers Working in and with an Activist Approach

CABEL MCCANDLESS

HEST - Kinesiology

Impact of Exercise Modalities on Dynamic Postural Stability

ADEBAYO ADEOTI

ACES - Agricultural Extension and Education

Exploring Employability Skills Among Agricultural Educators: Insights from Perkins Framework

HEN LIN

HEST - Kinesiology

Mental Imagery Intervention on Tennis Serving Performance on D1 Women's Tennis Team Athletes

ORAL PRESENTATIONS I

9:30 A.M. - 10:30 A.M. Senate Chambers

RUTH TORRES CASTILLO

Arts and Sciences - Computer Science

DEPICT: Enriching Creative Arts Education with Computational Thinking

DIEGO CHAVEZ ARANA

Engineering - Electrical And Computer Engineering

A Comparison of Classic and Neuromorphic PD Control Strategies for Real-time Stabilization of the Ball and Plate Balancer

HAMID DAVOUDI

Engineering - Electrical And Computer Engineering

Market Pricing and Settlements Analysis Considering Capacity Sharing and Reserve Substitutions of Operating Reserve Products

ISLAM OMAR

Engineering - Electrical And Computer Engineering

Forecasting Drought Impacts Using Machine Learning

5

ORAL PRESENTATIONS I

9:30 A.M. - 10:30 A.M. Senate Chambers

AKANKSHA VARMA SAGI

Arts and Sciences - Computer Science

Unleashing the Power of Cerebrospinal System for a Better Computer Architecture

JIEFEI LIU

Arts and Sciences - Computer Science

Multi-Model-based Federated Learning to Overcome Local Class Imbalance Issues

ORAL PRESENTATIONS I

9:30 A.M. - 11:00 A.M. Center Ballroom

TANNER GUSKEY

Arts and Sciences - Anthropology

What Sources of Copper did the Jornada People utilize during the El Paso Phase?

KEELY YANITO

Arts and Sciences - Anthropology

Body Modifications within the Southwest through Rock art and Ceramics

FELICIA LUNA

Arts and Sciences - Anthropology

Cupules: Rock Art, Ritual, or Something Else?

BRANDI WEISS

HEST - Sociology

Life in a Vacuum: A Network Analysis of Adolescent Risk in Los Alamos, New Mexico

NOELLE FILOTEO YOUNG

HEST - Counseling Education Psychology

COVID-19 Blame Attribution, Anxiety, and Fear

ORAL PRESENTATIONS I

9:30 A.M. - 11:00 A.M. Colonel Fountain Room

NAGENDRA KARKI

Arts and Sciences - Physics

Nitrogen Doped Co2S2 As The Promising Electrocatalyst For Oxygen Evolution Reaction

AUSTIN SHIPLEY

Arts and Sciences - Physics

Radiation Damage in GaSb: A Computational Study

MARCOS CALVA

Arts and Sciences - Physics

Effects of Radiation Damage on InSb

PRAKASH TIMSINA

Arts and Sciences - Physics

Entropy Induced Two-dimensionality Magnetic Monopole gases

ORAL PRESENTATIONS I

9:30 A.M. - 11:00 A.M. Colonel Fountain Room

BHISHM JOSHI

Arts and Sciences - Physics

Cobalt-Doped YNiO3 (001) Surface: A Promising Electrocatalyst for Oxygen-Evolution-Reaction (OER) in Water Splitting

HASAN RAHMAN

Arts and Sciences - Physics

Calculating The Cherenkov Radiation Emitted by Low-Energy Proton In Liquid Argon (LAr) Near UV Resonance (~106.6 nm) And Comparing With Argon Scintillation Light At 128 nm.

ORAL PRESENTATIONS I

9:30 A.M. - 11:00 A.M. West Ballroom

ALONDRA VILLALBA

Arts and Sciences - Biology

Effects of Chronic Stress on the Physiological Stress Response of Budgerigars

PAUL OLADIMEJI GABRIEL

Arts and Sciences - Molecular Biology

Nutrient Uptake Channels/Genes of Pecans Allow Crosstalk between Pecan and Its Immediate Environment

MOLLY AUSTIN

ACES - Animal and Range Sciences

Effect of lipopolysaccharide Induced Immune Response on Reproductive Parameters in Breeding Ewes

DELARAM ESMAEILI

Arts and Sciences - Biology

Rancid Rumors or Native Wisdom? Evaluating the Efficacy of Insect Repellents Attributed to Historic-period American Indians.

AQSA MUZAMMIL

Arts and Sciences - Biology

Exploring Role of Nep1 and Nep115 in Drosophila Melanogester Adult Muscle

ORAL PRESENTATIONS II

11:00 A.M. - 12:30 P.M. Senate Chambers

SUMAN SHARMA

ACES - Plant and Environmental Sciences

Extraction and Identification of Antifungal Steroidal Saponins to Combat Fusarium Basal Rot in Short-Day Onion Cultivars

ABDULQATER AL-NOUMAN

Arts and Sciences - Biology

The Drosophila Melanogaster TENT5 Homolog is Required for Individualization of Spermatids

BATOOL AL-KHATIB

Arts and Sciences - Molecular Biology

Immunolocalization of Beet Curly Top Virus AND GroEL Chaperon Protein of Endosymbionts in Vector Tissue

NINA DROPCHO

ACES - Plant and Environmental Sciences

Expanding Methods for Identifying Plant Hosts of the Beet Leafhopper

DEBLINA MISRA

Arts and Sciences - Biology

Navigating Signaling Pathways: A Phosphoproteome Study of Resistant and Susceptible Biomphalaria Glabrata Snails

ORAL PRESENTATIONS II

11:00 A.M. - 12:30 P.M. West Ballroom

CALLIE BURROW

Arts and Sciences - Criminal Justice

A Mixed Methods Analysis Comparison Between National Media and Border Media News Articles about Immigration at the US-Mexico Border

ADITYA GHALSASI

Arts and Sciences - Government

India and the Chagos Sovereignty Dispute

CINDY AFOAKWA-ACHEAMPONG

Arts and Sciences - Communication

The Impact of COVID-19 Protocols on Membership Negotiation and Activity Coordination in a Health Center

JESSICA AFFUL TULEASSI

Arts and Sciences - Communication

The Intersection of Gender Identity and Organizational Identity in the Female Military Profession

8

ORAL PRESENTATIONS II

11:00 A.M. - 12:30 P.M. West Ballroom

ISAAC NEWTON NYATUAME

Arts and Sciences - English

Toward Environmental Rhetoric and Justice: Examining the Ethic of Expediency in Ghana's Illegal Mining Galamsey' Practice

SANDRA ODURO

Arts and Sciences - English

Towards a Social Justice Approach: The Adoption of Multimodality and User Participation in the Design of New Mexico State's Drivers' Manual

ORAL PRESENTATIONS II

11:00 A.M. - 12:30 P.M. Colonel Fountain Room

HONOR BEESON

Arts and Sciences - History

Mis Memorias: An Oral History of the Mesquite Historic District

RICHARD LEWIS

Arts and Sciences - History

The Nestor Armijo House

ABDUL KHALIQ

Business - Economics, Applied Statistics, and International Business

Environmental Impacts of Natural Resources and Electricity Distribution Losses in Pakistan: A Dynamic ARDL Assessment

JOSHUA VENEGAS

Arts and Sciences - History

Beyond the Scene: The Rise of BTS as a Global Pop Sensation

RYAN DEFRONZO

Business - Marketing

Trendy or Trying Too Hard: The Interaction Between Brand Heritage Cues and Social Media Platform Logos on Attitudes and Behavioral Intentions

AMIT MILLO

Arts and Sciences - Geology

Using Modern Field Techniques to Understand New Mexico's Geologic History

ORAL PRESENTATIONS III

1:30 P.M. - 3:00 P.M. Senate Chambers

JUAN SOLIS

Engineering - Civil Engineering

Evapotranspiration Reduction in an Engineered Natural System to Manage Saltcedar (Tamarisk spp.) in Riparian Areas of Arid Environments

W. M. LAKMA KALPANI ABEYRATNE

Engineering - Civil Engineering

Recovery of Energy and Nutrients from Domestic Wastewater Sludges

POUYA ALMASI

Engineering - Civil Engineering

A General Method for Pre-flight Preparation in Data Collection for UAV-based Bridge Inspection

ZADA TAWALBEH

Engineering - Civil Engineering

Spatiotemporal Variability of Alfalfa ET Under Farming Practices in the Mesilla Valley

ROSHIRA DIMALKA PREMADASA

Engineering - Civil Engineering

EcoCFTrack: Advanced Diagnostic, Monitoring, and Tracking Device for Affordable Cystic Fibrosis Care

ORAL PRESENTATIONS III

1:30 P.M. - 3:00 P.M. Center Ballroom

KEENAN FLYNN

Arts and Sciences - Chemistry and Biochemistry
IGF-binding Protein-4 Requires Wild-type p53 to
Inhibit Breast Cancer Cell Progression

GODWIN TEYE

Arts and Sciences - Chemistry and Biochemistry
Pursuit of Biorelevant Uranyl Complexes

ARSLAN ATANGULOV

Arts and Sciences - Chemistry and Biochemistry
Computational Study of DUSP5 Phosphorylation
Process

ORAL PRESENTATIONS III

1:30 P.M. - 3:00 P.M. Center Ballroom

FRANCISCO LARIZ

Arts and Sciences - Chemistry and Biochemistry

Progesterone Induces IGFBP-6 As a Regulator of Progesterone Receptor Mediated Signaling

MARK ALDREN M. FELICIANO

Arts and Sciences - Chemistry and Biochemistry

Oxa-Azabenzobenzocyclooctynes (O-ABCs): Heterobiarylcyclooctynes Bearing an Endocyclic Heteroatom

ORAL PRESENTATIONS III

1:30 P.M. - 3:00 P.M. Colonel Fountain Room

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The Nestor Armijo House

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AMIT MILLO

Arts and Sciences - Geology

Using Modern Field Techniques to Understand New Mexico's Geologic History

ORAL PRESENTATIONS IV

3:00 P.M. - 4:30 P.M. Dona Ana Room

ALI HYDER

Arts and Sciences - Astronomy

Moist Convection Induced Local Enhancement of CO – Implications for the Deep-Water Abundance

EZRA HUSCHER

Arts and Sciences - Astronomy

The Mystery of Carbon in the early Universe

UMME KAWSAR ALAM

Arts and Sciences - Mechanical and Aerospace Engineering

Automated Harvesting of Green Chile Peppers with a 6-DoF Robotic Arm

SAMIR KUSMIC

Arts and Sciences - Astronomy

Linking Galaxies to Absorbers in the Epoch of Reionization

ASIF ABBAS

Arts and Sciences - Astronomy

Mass Density Evolution of Mg-II Absorbers

AYLA VALLES

Arts and Sciences - Mechanical Engineering

Dynamics and Velocity-Based Optimization of a Planar Muscle-Driven Snake Robot

ONLINE PRESENTATIONS

ELIZABETH TREVIZO

ACES - Agricultural Extension and Education

Mejorando El Estado Grande: A needs Assessment of Educational Resources for Cattle Producers in Chihuahua

STEPHANIE REINERT (POSTER)

Arts and Sciences - Computer Science

Differentiation in Hematopoiesis: Two Distinct Stages of Erythroid Fate Commitment

HANNAH SUN MELICK

HEST - Counseling Education Psychology
School Based Personnel Perspective on
Transborder Students

LIGHTNING TALKS

9:30 A.M. - 10:30 A.M. Center Ballroom

NIRAJAN PAUDEL

Arts and Sciences - Physics

Ab Initio Studies of the Electrochemical Reactivity of Carbon Allotropes in Rechargeable Li-ion Batteries

LY LY TRIEU

Arts and Sciences - Computer Science
Explanations for Answer Set Programming

ZARMINA AMIN

HEST - Kinesiology

Baseline Assessment of Upper Extremity Hand Function in Collegiate Esports Players

STEPHANIE GETTO

Arts and Sciences - Molecular Biology

Effect of Bleach Treatment on the Algal
Microbiome

LISA MOYA

HEST Communication Disorders

Factors associated with late identification of language impairment in children

NAVDEEP KAUR

ACES Plant and Environmental Science

Genomics-assisted breeding for Phytophthora capsici root rot resistance in chile peppers

ADRIAN LUNA

Engineering - Mechanical and Aerospace Engineering

Dynamics of a precessing satellite with a viscous ring damper in a simulated environment.

ELISABETH ZEITZ

HEST - Kinesiology

The Relationship between CrossFit® Performance and Laboratory-Based Measurements of Fitness

NAJMEH RAHIMI

Arts and Sciences - Chemistry and Biochemistry
Synthesis of β-Lactone Proteasome Inhibitors:
Overcoming Pharmacokinetics Barriers for the
Development of Novel Anticancer Agents

HUZAIFA HUSSAIN

Engineering - Industrial Engineering

Maximizing Strength: Investigating the Role of Carbon Fiber Orientation and Layering in PLA Composite Materials with a 6 Plates-Based Cubic Lattice Structure using advance manufacturing

LIGHTNING TALKS

9:30 A.M. - 10:30 A.M. Center Ballroom

SHAHAB NOURBAKHSH

ACES - Agricultural Economics & Agricultural Business

"Mechanical Harvesting in New Mexico's Chile Industry: A Cost-Benefit Analysis and Economic Implications"

HAMIDAH ALANAZI

Arts and Sciences - Computer Science

Deep Defence Via LSTM with Attention Layer Detecting Probing Attack

MADISON MARINO

Arts and Sciences - History

Crafting Connections: Documenting Fiber Artists' Impacts on New Mexico

MARINA PINA

HEST - Sociology

How Microaggressions vary for College STEM Majors based on Race/Ethnicity and Gender

LANCE FOUNTAIN

ACES - Entomology, Plant Pathology, and Weed Science

Harvester Ant Seed Preferences for Common Rangeland Restoration Grasses

ADEDAPO ALAWODE

ACES Agricultural Economics and Agribusiness

Recent Trends in New Mexico Farm Income: The Significance of Government Payments

FAEZEH CHERAGHI

ACES - Hotel, Restaurant, Tourism Management Innovative Collaborations: Exploring Digital Marketing Partnerships in the Hospitality Landscape

SHASHANK DHARBA

Arts and Sciences - Data Analytics
Stock Price Predictions using Artificial
Intelligence

ANAMIKA RAJENDRAN

Arts and Sciences - Computer Science
Social Interactions with Deniable Encrypted
Messaging

SADEGHRASOUL ROUHBAKHSH

Engineering - Civil Engineering

Robotic Underwater structural Inspection in turbid waters

AKSHIT MEHTA

Arts and Sciences - Physics

Helium-4 Excitations: An Experimental Proposal at Jefferson Lab.

ESTEFANIA RIVERA

HEST - Public Health

Empowering Communities: Mosquito Abatement Education

POSTER

9:00 A.M. - 5:30 P.M. Aggie Lounge

EMILIA MARMOLEJO

Engineering - Civil Engineering

Enzyme-Induced Carbonate Precipitation (EICP) Treatment for Erosion Control in Sloping Ground

ANJALI KARKI

Arts and Sciences - Biology

Optimizing the bloodmeal alternative, SkitoSnack, for Anopheles mosquitoes.

ABU BUCKER

Engineering - Electrical and Computer Engineering

Deep Learning Estimation of Modified Zernike Coefficients from Multispectral Imagery in Turbulence

LINDLEY HORNSBY

HEST School of Social Work, Dept of Public Health Sciences

Public Health Field Work: Reproductive Health Access in New Mexico

ALEXANDER ALLISON

Arts and Sciences - Biology

Assessing Juvenile Dispersal Patterns in the Great Green Macaw

SHAMMINUJ AKTAR

Engineering - Electrical and Computer Engineering

Scalable Experimental Bounds for Entangled Quantum State Fidelities

HAILEY LUKER

Arts and Sciences - Biology

Testing the repellent activity of essential oils on Aedes aegypti mosquitoes and Ixodes scapularis ticks using contact assays with human volunteers

STEPHANIE REINERT

Arts and Sciences - Computer Science

Differentiation in Hematopoiesis: Two Distinct Stages of Erythroid Fate Commitment

RASHNI ANANDAWANSHA

Arts and Sciences Physics

Using ScS reverberations to map Earth's upper and mid-mantle

TATIANA KARDASHINA

Engineering - Mechanical & Aerospace Engineering

Comparison of Remote Soil Moisture Sensing Methods

POSTER

9:00 A.M. - 5:30 P.M. Aggie Lounge

NICHOLAS GRIJALVA

Arts and Sciences - Computer Science

Low-Cost Monocular Vision Localization and Feedback Control Strategy for a Quad-Rotorcraft Unmanned Aircraft System (UAS)

LUIS CHAVEZ

ACES - Agricultural Economics & Agricultural Business

Occupational safety issues and labor challenges in small meat processing plants: A systematic review

GIOVANNA DEL SORDO

Arts and Sciences - Psychology

Exploration vs. exploitation in a novel complex card sorting task: Evidence from pupillometry

KHAGENDRA KATUWAL

Arts and Sciences - Astronomy

Unipolar magnetic field configuration of the equatorial coronal holes.

JOY IKEDICHI AGBAWODIKE

ACES - Family and Consumer Science

Studying The Melting of Ice-Cream Through The Modification of Its Structural Element

COBE WILSON

Arts and Sciences - Psychology

Sampling Precision in Basic Versus Applied Research

NUSRAT ABDULLA

HEST - Public Health Sciences

Effective Mosquito Reduction with Larvicide Bacillus thuringiensis var. israelensis (Bti): A Safe and environment-friendly approach

EMILY EMBURY

Arts and Sciences - Biology

Microbial communities in the changing vegetation of the Chihuahuan Desert

MEHDI MOGHADAM MANESH

ACES - Water Science and Management

Exploring Equilibrium Points of the Mesilla Groundwater Basin: Some System Insights

JANET KWAKYE

Engineering - Industrial Engineering

A Discrete Event Simulation Model for the 3D Printing Supply Chain of Dental Prostheses

POSTER

9:00 A.M. - 5:30 P.M. Aggie Lounge

APRIL LOPEZ

Arts and Sciences - Biology

Phosphoproteomic analysis of Aedes aegypti fat body reveals blood meal-induced cell signaling and metabolic pathways

CHINENYENWA ONYEANWU

ACES - Hotel Restaurant and Tourism Management

PGC-1alpha Induces Release of Factors From Muscle Cells Which Impact Neutral Stem Cell Behavior

MOHSEN ZAMANI

Engineering - Civil Engineering

Experimental Plan for Centrifuge Testing of Bioinspired Laterally Expansive Piles

ALICIA MARMOLEJO

Arts and Sciences - Molecular Biology

Genetic structure and geographic origins of Heterotheca subaxillaris (Asteraceae): a North American native invader of the Middle East

BERNADETTE ROMERO-BENALLY

ACES - Water Science Management

Assessing the Administrative Right-of-Way Process for the Navajo Allotment Lands in Connection to the Navajo-Gallup Water Supply Project

BIPIN KHANAL

Arts and Sciences - Chemistry and Biochemistry
Late-Stage Diversification of HIV-1 Protease
Inhibitor via SuFEx Click Chemistry

AMIN SARIHI

Engineering - Electrical Engineering

Multi-Criteria Hardware Trojan Detection: A

Reinforcement Learning Approach

REZA GHANAVATI

Engineering - Chemical & Materials Engineering
Optimizing forcefield flexibility parameters for
metal-organic frameworks

JACOB DEVARGAS

Arts and Sciences - Molecular Biology
Assessing DNA damage, cell viability and toxicity in melanocytes

MARIA ALVAREZ ZAVALA

ACES - Plant and Environmental Science
LC-MS/MS Method Development for Argentatin
Ouantification

AMINOU SAIBOU

ACES - Plant and Environmental Science
Can Summer Cover Crops Suppress Weeds in
New Mexico?

POSTER

9:00 A.M. - 5:30 P.M. Aggie Lounge

HARRISON COOK

Arts and Sciences - Astronomy

Supernova Explosions in Accretion Disks of Active Galactic Nuclei

JOSEPH LEE CASEY ESTRADA

Arts and Sciences - Biology

Exploring the Immunomodulatory Role of Nep15 in Drosophila melanogaster

ANDREA SOLER

ACES - Family and Consumer Sciences

Impact of Phospholipids on Rheology and Microstructure in Greek-style Yogurt

SAHITHI REDDY PULICHERLA

Arts and Sciences - Molecular Biology

Characterization of Late embryogenesis abundant (LEA) genes in Pecan (Carya illinoinensis)

MELISSA MEYERS

ACES - Department of Entomology, Plant Pathology, and Weed Science

Plant-soil feedback of Lehmann lovegrass (Eragrostis lehmanniana) and its effect on competition with native black grama (Bouteloua eriopoda)

DIANA BAUTISTA

Arts and Sciences - Chemistry

Assessment of IGF-1R and β1 integrin as biomarkers of tamoxifen resistance

KRISTEN FULTZ

HEST - Sociology

No Place Like Home: How Conservatism and Distrust Contribute to Households as Quasi-Total Institutions

SEYEDMAJID MINAYHASHEMI

ACES - Hotel, Restaurant and Tourism Management

Climate Change Impact and Sustainable Practices in the Wine Industry

VALERIA F. MOTENEGRO

Arts and Sciences - Biology

Investigating tropomyosin isoform localization and function during sea star development.

HENGAMEH MIRHAJIANMOGHADAM

Engineering - Electrical and Computer Engineering

Real-time implementation of Model Predictive Control for fast trajectory tracking of a quad rotorcraft UAS

POSTER

9:00 A.M. - 5:30 P.M. Aggie Lounge

MEHRAN POURAKBAR

Engineering - Civil Engineering

P-wave Velocity and Thermal Conductivity of Lunar Regolith Simulants at different densities in Vacuum

TETSUYA ABOSHI

HEST - Curriculum and Instruction

A popular videogame 'Momotaro Dentetsu' for Japanese Language Aquisition, Cultural Understanding and Motivation for L2 University Students in Southern New Mexico

FRANCISCO MANUEL MARES SOLANO

Arts and Sciences - Computer Science
Using Historical Power Grid Failures to Predict

the Targets and Impacts of Future Cyber Attacks

KYANA BENJAMIN

HEST - School of Teacher Preparation, Administration, and Leadership

Supporting Students with Disabilities for Transition to Higher Education

MUSIC

3:00 P.M. - 5:30 P.M. Corbet Center Auditorium

ISAAC REYNAGA

Arts and Sciences - Music

Suite per Violoncello solo: I Preludio - Fantasia composed by Gaspar Cassado

HERIBERTO RAMÍREZ MIGUEL

Arts and Sciences - Music

Ballade no. 1 op. 23 composed by Frédéric Chopin

LITERATURE

3:00 P.M. - 5:30 P.M. Corbet Center Auditorium

RODRIGO HERNANDEZ

Arts and Sciences - Creative Media Institute

Down the Street

SANGAMITHRA NATARAJ

Arts and Sciences - Creative Media Institute
The Price of Tea

KATHY KEY-TELLO

Arts and Sciences - Creative Media Institute Selected Works

ABEIKU ARHIN TSIWAH

Arts and Sciences - Geography and Environmental Studies

Son of Onyame

MAURA HEHIR

Arts and Sciences - Creative Media Institute
Excerpt from "Aperture"

ANNA SNIDER

Arts and Sciences - Creative Media Institute

Dad In the Dollar General

MADELYN PARKER

Arts and Sciences - Creative Media Institute
Food & Desert, my pronouns are plastic clothes
hangers in a store in the mall, this blood,
heterocockroach

CAMDYN BASS

Arts and Sciences - English
Poems by Cam

ANNA COLEMAN

Arts and Sciences - Creative Media Institute
Flash scenes

JOSHUA TISE

Arts and Sciences - Creative Media Institute
Poetry Packet

MAXWELL GRIEGO

Arts and Sciences - Creative Media Institute
Reading a few poems

BRITA SAUER

Arts and Sciences - Creative Media Institute
Selections from "King Clone" and "Surge"

ART

10:00 A.M. - 1:00 P.M. Graduate Student Lounge

ALFRED GYASI

Arts and Sciences - Art

A warning against waste

KARLY JEAN KAINZ

Arts and Sciences - Art Firmness in the Days

YI WU

Arts and Sciences - Art Peace

ELHAM SABRI

Arts and Sciences - Art Empowered

EZEKIEL MARTEY

Arts and Sciences - Art Bridging the Silence

JOHANNA TYPALDOS

Arts and Sciences - Art Build Up