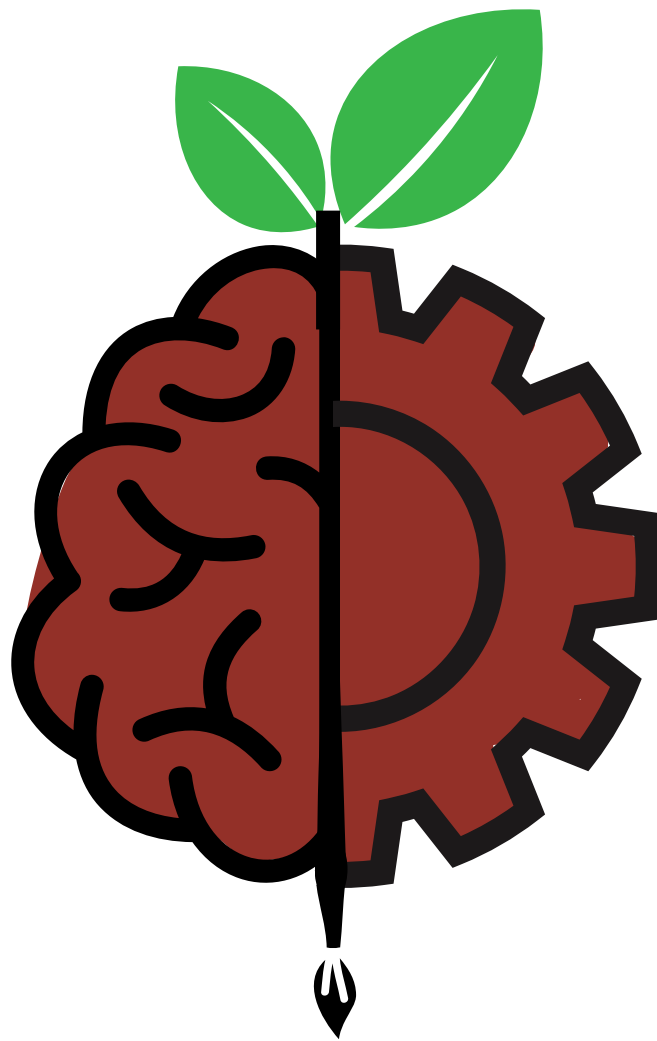


Graduate
Research & **A**rts
2024 Symposium



SATURDAY, NOVEMBER 9TH, 2024

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

PRESENTED BY GRADUATE STUDENT COUNCIL

Welcome letter



New Mexico State University
Las Cruces, NM 88003-8001

gscexecutiveteam@nmsu.edu 
<https://gsc.nmsu.edu> 

Dear NMSU Students, Faculty, Staff, Alumni, and Guests,

Welcome to the 2024 Graduate Research & Arts Symposium (GRAS) at New Mexico State University! It's a true pleasure to have you with us as we celebrate Homecoming and come together to honor the incredible achievements of our graduate students.

For over twenty years, GRAS has served as a platform for showcasing the innovative research and creative work of NMSU's graduate students. This event, organized by the Graduate Student Council, highlights the dedication, intellectual curiosity, and groundbreaking contributions made by our graduate community. Across disciplines – from agriculture, business, and engineering to the arts, humanities, and sciences – our graduate students demonstrate the broad range of talents that define NMSU's academic community.

Being held during NMSU's 2024 Homecoming, we recognize our alumni as an essential part of the NMSU legacy. Your experiences and achievements continue to inspire and shape our university, and we are honored to have you join us during this special Homecoming weekend. The work being showcased at GRAS 2024 is a direct reflection of the strong foundation you helped build, and your ongoing support plays a vital role in nurturing the next generation of researchers, scholars, and professionals.

Research and innovation are at the heart of NMSU's mission, and GRAS offers an opportunity to celebrate the contributions that our graduate students are making to advance knowledge, address global challenges, and enrich the academic community. Whether through research projects in agriculture, engineering, or social sciences, graduate students are pushing boundaries and making a meaningful impact in their respective fields. Their work not only reflects their individual dedication but also contributes to the broader reputation of NMSU as we move toward R1 status.

While the Symposium is meant to highlight graduate students' achievements, it also brings us together to celebrate our NMSU community. For undergraduate students, GRAS provides a window into the possibilities of graduate studies. For our alumni, it's an opportunity to reconnect with the university and witness firsthand the incredible work that continues to shape NMSU into a leader in higher education.

We are grateful to everyone who has contributed to making this year's GRAS possible, including our participants, volunteers, the Graduate School, the Office of Research, Creativity, and Economic Development, and all of our faculty and staff. Your ongoing support ensures that NMSU remains a hub for excellence in research and creativity, and we are excited to share the fruits of that labor with you today.



Thank you for joining us for GRAS 2024! We hope you find inspiration in the works on display, and that this Symposium serves as a reminder of the lasting impact of NMSU's graduate students in advancing the university's mission.

With warm regards,
Your 2024-25 Graduate Student Council
New Mexico State University



President, Anna Harmon



[Sanuj Kumar \(Nov 7, 2024 10:28 MST\)](#)

Vice President of Activities, Sanuj Kumar



[Jay Choate \(Nov 7, 2024 10:29 MST\)](#)

Vice President, Jay Choate



Treasurer, Alexander Warner-Garrett



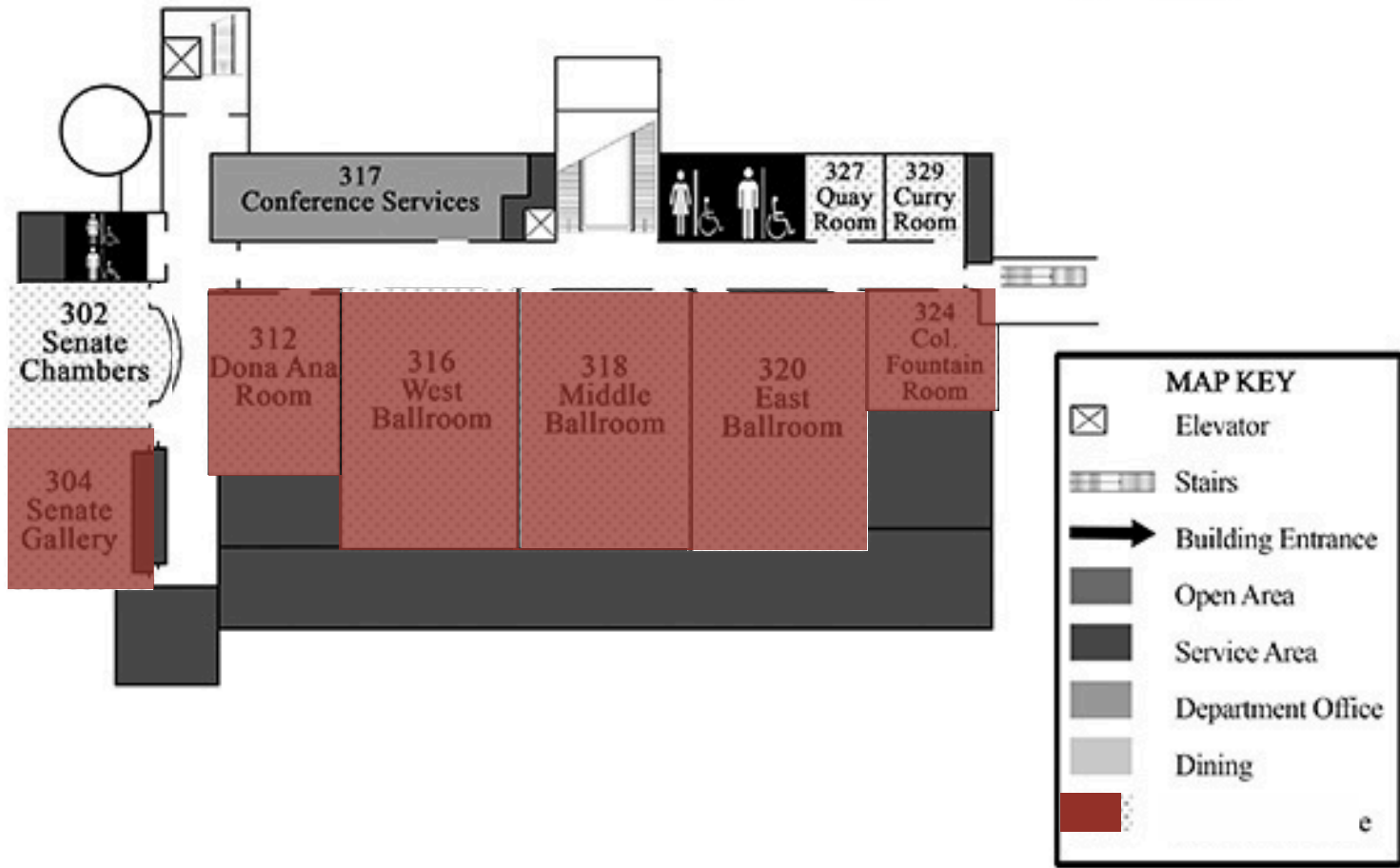
[Rebeca Portillo Parra \(Nov 7, 2024 10:26 MST\)](#)

Secretary, Rebeca Portillo Parra



*Content Creator, Lohith Siva Venkata
Ramakrishna Koyya*

MAP OF LOCATIONS



AGENDA

MORNING

9:00 A.M. - 12:00 P.M.

9:00 A.M.: REGISTRATION OPENS
BALLROOM HALLWAY

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

9:30 A.M. - 10:30 A.M.: ORAL PRESENTATION
EAST BALLROOM

10:40 A.M. - 11:40 A.M.: ORAL PRESENTATION
WEST BALLROOM

10:40 A.M. - 11:40 A.M.: ART SESSION
COLONEL FOUNTAIN ROOM

10:40 A.M. - 11:40 A.M.: POSTER PRESENTATION
MIDDLE BALLROOM

AFTERNOON

12:00 P.M. - 4:00 P.M.

12:00 P.M. - 1:00 P.M.: LUNCH BREAK
SENATE GALLERY

1:00 P.M. - 2:00 P.M.: POSTER PRESENTATION
MIDDLE BALLROOM

1:00 P.M. - 2:00 P.M.: OPEN MIC
DONA ANA ROOM

2:00 P.M. - 3:00 P.M.: LIGHTNING TALKS
DONA ANA ROOM, SENATE GALLERY

3:00 P.M. - 4:00 P.M.: ORAL PRESENTATIONS
WEST BALLROOM