Lunabotics Wheel Design
Isaiah Salcedo, *College of Engineering*
Kevin Kuida, *College of Engineering*
Ty Hill, *College of Engineering*
Jay Shah, *College of Engineering*
Mentor: Nichole Ramirez

VIP Lunabotics Wheel Traction and Turing Capacity Test Rig
Trevor Smyth, *College of Engineering*
Gabriel Montoya, *College of Engineering*
Mentor: Nichole Ramirez

contRAST
Abigail Sullivan, *College of Health and Human Sciences*
Mentor: Renee Murray

Lunabotics Excavation Testing Rig
Luke Williams, *College of Engineering*
Chase Grimm, *College of Engineering*
Nathan Meador, *College of Engineering*
Andrew Steger, *Colllege of Engineering*
Mentor: Nichole Ramirez, Nathan Stonitsch

We encourage participants and visitors to provide feedback to all presenters.
To submit an evaluation, please scan this QR code with your device's camera. Scores will determine top awards.
Presentation numbers are on the table and after titles above.

QR code on printed programs

WELCOME TO
CELEBRATE
PURDUE'S THINKERS, CREATORS & EXPERIMENTERS

April 23, 2024

11am-1pm

Purdue Memorial Union
South Ballroom

PURDUE UNIVERSITY® | Office of Undergraduate Research

Purdue Lunabotics Excavation & Deposition Systems
Caleb Abbruzzi, *College of Engineering*
Rachel Barder, *College of Engineering*
Nikolai Perebeinos, *College of Engineering*
Evan Gilheany, *College of Engineering*
Mentor: Nicole Ramirez

Echoes of a Home
Alyssa Androff, *College of Health & Human Sciences*
Mentor: Renee Murray

Lunabotics Dust Mitigation
Jeramiah Arona, *College of Engineering*
Thomas Chuang, *College of Engineering*
Ethan Miller, *College of Engineering*
Dhilan Patel, *College of Engineering*
Mentor: Nichole Ramirez

RoboMasters Social Media
Andrew Behl, *School of Business*
Drake Hagerman, *School of Business*
Mentors: Shivam Bhat and Zijian He

An Origami-Inspired Tree Climbing Robot
Harrison Booker, *College of Engineering*
Atharva Awasthi, *College of Engineering*
Mentors: Ran Dai and Yuto Tanaka

Addressing Tetrachloroethylene Exposure in an Impacted Community
Katelyn Bottando, *College of Agriculture*
Mentor: Sa Liu

between the lines
Yunchong Chen, *College of Liberal Arts*
Rachel Chen, *College of Engineering*
Mentor: Renee Murray

VIP Lunabotics Power & Hardware
Seth Feickert, *College of Engineering*
Olivia Purdy, *College of Engineering*
Rowe Tracy, *College of Engineering*
Hunter Biggs, *College of Engineering*
Sean Kelley, *College of Engineering*
Mentor: Nicole Ramirez

Impact of Generative AI on Education & Research
Riddhi Gupta, *College of Science*
Mentor: Lisa Bosman

Gustav Mahler: The Piano Rolls
Rebecca Hackett, *Colleges of Science and Liberal Arts*
Mentors: Adam Bodony and Tae Hong Park

We are many people
Audrey Harrison, *College of Science*
Mentor: Renee Murray

Ag-DOST: A friendly and Intelligent Chatbot for Farmers
Jungeun Hwang, *College of Science*
Son Thai Ha, *College of Science*
Mentors: Dharmendra Saraswat and Varun Aggarwal

Crater Detection with RGBD for SLAM
Andrew Kreimer, *College of Engineering*
Junyoung Kim, *College of Engineering*
Suhani Mathur, *College of Engineering*
Mentor: Nichole Ramirez

MotionPose: Machine Learning in Motion
Michael Li, *College of Science, School of Business*
Arunima Chowdhury, *College of Science*
Shamsad Rahman, *College of Engineering*
Hai Lam Le, *College of Engineering*
Roohee Urs, *College of Science*
Mert Ryan Kiroglu, *School of Business*
Sami Zagha, *College of Science*
Ryan Leonard, *College of Science*
Rishi Mantri, *College of Engineering*
Zahra Ghorrati, *Purdue Polytechnic Institute*
Mentors: Renee L Murray and Frederick C Berry

FDB Medication Risk Implementation and Design
Adam Ma, *College of Science*
Mentor: Donna Dillihay

Internal Thoughts
Kennedy Miller, *School of Business*
Mentor: Renee Murray

Roller Coaster Track and Support Structure: Dynamics, Simulation, and Optimization
Rohan Patel, *College of Engineering*