

SMART Model Tiny Homes: Preparing the Next Generation of Computational Thinkers

Vanessa Santana, *Polytechnic Institute*

Mentor: Scott R. Bartholomew, *Polytechnic Institute*

Teaching Advanced Manufacturing through Educational Displays, EPICS

Daphne Fauber, *Polytechnic Institute*;

Bryan Pamintuan, *Engineering*; Anthony Eshleman, *Engineering*;

Matthew Rumble, *Engineering*; Brookelle Mathieson, *Engineering*;

Yoon Sung Kim, *Engineering*; Bethany Reiter, *Engineering*;

Matthew Haines, *Engineering*; & Jack Wagner, *Engineering*

Mentor: Andrew Pierce, *Engineering*

The Philosophy of Sin, PHIL490

Varun Nair, *Liberal Arts*

Mentor: Daniel Smith, *Liberal Arts*

Vaccine, HK269

Muhammad Mirza, *Health & Human Sciences*;

Koste Kocoski, *Pharmacy*; &

Branton Leazenby, *Health & Human Sciences*

Mentor: Lane Yahiro, *Health & Human Sciences*

purdue.edu/undergrad-research



Join us...



Purdue Undergraduate Research Conference

Oral Presentations: **April 4**, STEW 214, 1-4pm

Poster Symposium: **April 9**, PMU Ballrooms,
9-11:30am & 1-3:30pm

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UNIVERSITY.

WELCOME TO

CELEBRATE PURDUE'S THINKERS, CREATORS & EXPERIMENTERS

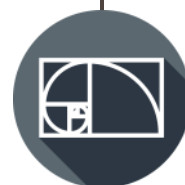


March 5, 2019

1:30-4:30pm

France A. Córdova

Recreational Sports Center



OUR

**OFFICE OF
UNDERGRADUATE RESEARCH**

Aluminum Longboard

CJ Wood, *Polytechnic Institute*

Applications of Generative Selection Algorithms in Linguistics

Andrew Rothwell, *Science*

Mentor: John Sundquist, *Liberal Arts*

Autonomous Robot Exploration, Autonomous Robotics Club

Jason King Ching Lo, *Engineering*; Kevin Sheridan, *Engineering*;

Victor Pan, *Engineering*; Mitchell Lee, *Polytechnic Institute*; &

James Baxter, *Engineering*

Mentor: Inseok Hwang, *Engineering*

Autonomous Vehicle Technology,

Autonomous Motorsports Purdue

Kai Strubel, *Engineering*; David Pimley, *Engineering*; &

Matt Anderson, *Engineering*

Mentor: Aly Gamal, *Engineering*

Compare Bioavailability between Different Sizes Magnesium Supplements

Jiada Zhan, *Health & Human Sciences*

Mentor: Nana Gletsu-Miller, *Health & Human Sciences*

Design Thinking in Middle School Classroom

Sakhi Aggrawal, *Polytechnic Institute*

Mentor: Alejandra Magana, *Polytechnic Institute*

Global Air Quality Trekkers: Clean Kitchen Study, EPICS

Steph Schiavo, *Engineering*; Sam Dykhuis, *Engineering*; &

Avalin Senefeld, *Engineering*

Mentor: Brandon Boor, *Engineering*

GyroPalm

Dominick Lee, *Polytechnic Institute* &

Vignasha Charan Bhamidi, *Polytechnic Institute*

Mentor: Felix Lin, *Engineering*

Human Body Communication Transceivers

David Yang, *Engineering* & Shovan Maity, *Engineering*

Mentor: Shreyas Sen, *Engineering*

Laponite Disturbances

Daniel Espinoza, *Engineering*

Mentor: Marika Santagata, *Engineering*

Large UAS Construction, AT49000-024

Jesse Giampaolo, *Polytechnic Institute & Science*;

Kaleb Gould, *Polytechnic Institute*;

Elliott Eaton, *Polytechnic Institute*;

Connor Yoder, *Polytechnic Institute*;

Jeffrey Hines, *Polytechnic Institute*; &

Duncan Mulgrew, *Polytechnic Institute*

Mentor: Brian Kozak, *Polytechnic Institute*

Melanin and Curls: Evaluating Black Woman Candidates

Aiden Colburn, *Liberal Arts*

Mentor: Nadia Brown, *Liberal Arts*

Meta-analysis on Psychopathology and Relationship Satisfaction, PSY390

Kyle Bentain, *Health & Human Sciences* &

Malcolm Wade, *Health & Human Sciences*

Mentor: Katherine Thomas, *Health & Human Sciences*

Molecular Dynamics Simulations in Drug Discovery

Jia Lin Cheoh, *Science*

PF-19, Purdue Formula SAE

Adam Christopherson, *Engineering*; Troy Conlin, *Engineering*;

Kiley Penn, *Engineering*; Alex Roberts, *Engineering*;

Logan Clark, *Engineering*;

JP Peerbolte, *Polytechnic Institute*;

Adam Dewey, *Engineering*; & Vince

Cassi, *Engineering*

Mentor: Todd Nelson, *Engineering*

REMI - Rat Estrous Model Identification

Harsh Srivastava, *Science*;

Gabriella Fernandez, *Science*;

Abigail Crabtree, *Science*; &

Bailey Mahoney, *Science*

Mentor: Nancy Pelaez, *Science*

The **OUR** thanks you for attending today and welcomes you to enjoy treats from

