

Fall 2024 Undergraduate Research Symposium: *Polytechnic*

This list is inclusive of all presentations where at least one student or at least one mentor is linked to the specified division. Students' and Mentors' names are based on information submitted in conference applications, except for the following:

- Purdue students' divisions are based on institutional academic data. (Visiting students do not have a division.)
- Purdue mentors' divisions are based on their primary appointment at Purdue.
- Name spellings appear as submitted in *OURConnect*. Names may be edited (for future reporting) via "my profile" in *OURConnect*.

Student Role Notation: †Presenting Author, ‡ Contributing Author, *Acknowledgment

Presentation	Students	Mentors
Poster #1009 presented 11/19 @ 9:00-10:00am	Shrivardhan Atluri† (Science JMHC)	Lisa B Bosman (Polytechnic)
Poster #1033 presented 11/19 @ 9:00-10:00am	Rhea Dutta† (Engineering JMHC)	Lisa B Bosman (Polytechnic)
Poster #1038 presented 11/19 @ 9:00-10:00am	Daniyal Fazal† (Engineering) Harmon Howse† (DSB JMHC) Nicholas Marshall Andry† (Science) Jayden Chun-Hin Chow† (DSB JMHC) Oliver J Wang† (Polytechnic)	Santiago Torres Arias (Engineering)
Poster #1051 presented 11/19 @ 9:00-10:00am	Animesh Divekar Joshi† (Science)	Romila Pradhan (Polytechnic)
Poster #1063 presented 11/19 @ 9:00-10:00am	Alen Santiago Lizarazo Osorio† (Universidad de La Sabana, Columbia) Felipe Ramirez Franco* (Universidad Nacional de Colombia) Yovani Garcia Munera* (Universidad Nacional de Colombia)	Jose M Garcia Bravo (Polytechnic)
Poster #1079 presented 11/19 @ 9:00-10:00am	Rachel Pfeifer† (Science)	Sudip Vhaduri (Polytechnic)
Poster #1083 presented 11/19 @ 9:00-10:00am	Lea Nikole Quiroa Lopez† Juan Pablo Melgar Feregrino†	Garam Kim (Polytechnic) Eduardo Barocio Vaca (Engineering)
Poster #1232 presented 11/19 @ 10:30-11:30am	Maximillian Francis Farrell† (DSB) Arnav Naval† (Engineering) Matthew Alvarez Hackett† (Engineering) Shreya Laxmi Nagendra† (Science) Genna Nicole Yavaraski† (Science) Jason Dumauual Lyst† (Engineering) Tanek Malhotra† (Science) Parth Kapila† (Polytechnic) Aniruddh Srivastava† (Science)	Matthew A Swabey (Engineering) Jaeun Kim (Engineering)

Presentation	Students	Mentors
Poster #1249 presented 11/19 @ 10:30-11:30am	Brogan John-Michael Holt [†] (DSB JMHC) Jayee Goh [†] (Engineering) Kaylie Emerson Virkust [†] (Engineering) Shashank Varamballi [†] (Engineering) Patricia Ewa Leoniuk [†] (Engineering) Olivia Chen [†] (Engineering) Gowri Ravikumar Bajagurt [†] (Engineering) Saanvi Mahesh [†] (Engineering) Marina Mercedes San Martin Rossano [†] (Engineering) Pradyumn Malik [†] (Engineering) Shrikar Hippargit [†] (Engineering) Isaac Yan Shek Cheng [†] (Engineering) Jijnasu Prakash Rout [‡] (Engineering) Atandila Chowdhury [‡] (Engineering) Ashton Anthony Price [‡] (DSB) Joseph Chelliah [‡] (DSB) James Burrell Hewette [‡] (Engineering)	John W Sheffield (Polytechnic)
Poster #1260 presented 11/19 @ 10:30-11:30am	Kylie M Lachapelle [†] (Agriculture JMHC) Saheli Minesh Parikh [†] (Education JMHC) Aditya Ujwal [‡] (Science JMHC) Simon Paul Mitchell [‡] (Engineering JMHC) Megan E Power [‡] (DSB JMHC) Nithin Krishna Veeramasuneni [‡] (Polytechnic JMHC)	Kathryn Frances Dilworth (JMHC)
Poster #1269 presented 11/19 @ 10:30-11:30am	Stan Melkumian [†] (Polytechnic)	Jacob Robert Montrose (Polytechnic) Garam Kim (Polytechnic) Timothy D Ropp (Polytechnic)
Poster #1299 presented 11/19 @ 10:30-11:30am	Jeslyn Cheng Yang [†] (Science) Brian Ross Ramos [†] (Polytechnic) Angela Qian [†] (Science) Jacob Ray Morales [†] (Engineering) Ramsey Daniel [†] (Engineering) Alessandra Rice [†] (Engineering)	Soudabeh Taghian Dinani (Engineering) Carla Zoltowski (Engineering) Zheyuan Zhang (Engineering) Edward J Delp (Engineering)
Poster #1405 presented 11/19 @ 12:00-1:00pm	Nihar Pushkar Atri [†] (Science)	Madhumathi Ponnusamy (Polytechnic) Shan Zhou (Liberal Arts) Gaurav Nanda (Polytechnic)
Poster #1416 presented 11/19 @ 12:00-1:00pm	Arunima Chowdhury [†] (Science) Marisa Jean Fredrickson [†] (Engineering) Aryan Kaul [†] (Science) Amber Kuoiwa Khauv [†] (Science) Hridhay Monangi [†] (Science) Dean Snyder [†] (Engineering JMHC) Sophia Elizabeth Steele [†] (Engineering) Taryn Celia Zakrzewski [†] (Engineering) Matthew Dharma Kurniawan [†] (Science) Mark Alexander Myers [‡] (Polytechnic) Aaron Parihar [‡] (Polytechnic JMHC) Kyle Patrick Fox [‡] (Polytechnic) Daitian Zhao [‡] (Polytechnic)	Renee Murray (Liberal Arts) Frederick C Berry (Polytechnic)
Poster #1417 presented 11/19 @ 12:00-1:00pm	Amiah Bailey Clevengert [†] (Education Polytechnic)	Wonki Lee (Education) Nathan Mentzer (Polytechnic) Andrew Jackson (Polytechnic) Scott Ronald Bartholomew (Education)

Presentation	Students	Mentors
Poster #1437 presented 11/19 @ 12:00-1:00pm	Bennett Michael Hanan† (Engineering) Margulan Mukhametkarim† (Engineering) Benjamin Harris Ciliberto† (Engineering) Ridge McCain Blankenship† (Engineering) Alexander T Valdes‡ (Engineering) Nicholas Keir Wade‡ (Science) Andrew Joseph Shelley‡ (Polytechnic) Alexander Kmetko‡ (Engineering) Liam M McCormack‡ (Polytechnic)	Brittany A Newell (Polytechnic) Richard M Voyles (Polytechnic) Samuel Labi (Engineering)
Poster #1439 presented 11/19 @ 12:00-1:00pm	Nolan Lee Hardman† (Engineering) Jacob Henry Rikkola† (Engineering) Adrienne Dale Torres Balahadia† (Engineering) Bader Emad Abu-Shanab† (Engineering) Zilan Patel† (Engineering) James M Scanlan† (Engineering) Aaditi Anupam Vaval† (Engineering)	Afshin Izadian (Polytechnic) Christine Taylor (Polytechnic) Arvind Krishna Radhakrishnan (Engineering)
Poster #1472 presented 11/19 @ 12:00-1:00pm	Kiersten Mackenzie Penquite† (Engineering JMHC)	Lisa B Bosman (Polytechnic)
Poster #1476 presented 11/19 @ 12:00-1:00pm	Jeeranun Poopanead† (Polytechnic)	Lisa B Bosman (Polytechnic)
Poster #1486 presented 11/19 @ 12:00-1:00pm	Sarah Michelle Sewell† (Engineering) Leo Chen† (Engineering) Sun Hong H Park† (Polytechnic) Ata Ulas Gulert† (Engineering) Rachel Wingyan Ho† (Engineering)	David Michael Barbarash (Agriculture)
Poster #1493 presented 11/19 @ 12:00-1:00pm	Caroline Marie Sponhauer† (Liberal Arts) Brycen Jesse Baldwin† (Polytechnic)	Kathryn Seigfried-Spellar (Polytechnic)
Poster #1600 presented 11/19 @ 1:30-2:30pm	Jessica Josephine Adams† (HHS JMHC) Charis Abigail Armstrong† (Liberal Arts JMHC) Camden Jeffrey Love† (DSB JMHC)	Aparajita Jaiswal (Purdue University) Devang Atul Patel (Polytechnic)
Poster #1666 presented 11/19 @ 1:30-2:30pm	Kamanda K Mosongo† (Polytechnic JMHC)	Caroline Kathure Marete (Polytechnic)
Poster #1669 presented 11/19 @ 1:30-2:30pm	Jack Robert Nelson† (Agriculture JMHC) Katherine Josephine Cheh† (DSB JMHC) Akshat Garg† (Polytechnic JMHC)	Aparajita Jaiswal (Purdue University)
Poster #1672 presented 11/19 @ 1:30-2:30pm	Jonathan Aimison Oppenheimer† (Science) Henry Hengyi Tsay† (Science) Lucas Tan† (Science) Thanmaya Pattanashetty† (Science) Shiva Sai Vummaji‡ (Science) Tim Nadolsky‡ (Science) Chiho Song‡ (Science) Liam Matthew Stonestreet‡ (Science) Haichang Li‡ (Polytechnic)	Yeon Ji Yun (Liberal Arts) Yung-Hsiang Lu (Engineering)
Poster #1675 presented 11/19 @ 1:30-2:30pm	Paul Kyu-Hwan Park† (Polytechnic) Caden Cole Cowles‡ (Polytechnic)	Garam Kim (Polytechnic) Jacob Robert Montrose (Polytechnic) Eduardo Barocio Vaca (Engineering)
Poster #1685 presented 11/19 @ 1:30-2:30pm	Reeya Ramasamy† (Polytechnic)	Kathryn Seigfried-Spellar (Polytechnic) Tatiana Ringenberg (Polytechnic)
Poster #1690 presented 11/19 @ 1:30-2:30pm	Aishani Sakalabhaktula† (Engineering)	Lisa B Bosman (Polytechnic)
Poster #1714 presented 11/19 @ 1:30-2:30pm	Bayan Yunis† (Liberal Arts JMHC)	Lisa B Bosman (Polytechnic) Angel Gabriel Ruiz Castro (Polytechnic)
Research Talk #7000 presented 11/20 @ 9:00am	Hanhyun Kwak† (Engineering)	Garam Kim (Polytechnic) Sung Jun Choi (Polytechnic) Eduardo Barocio Vaca (Engineering)

Student Role Notation: †Presenting Author, ‡Contributing Author, *Acknowledgment

Presentation	Students	Mentors
Research Talk #7004 presented 11/20 @ 9:20am	Tanya Sophia Masnyk† (Engineering)	Qingchun Li (Polytechnic) Daniel R Chavas (Science)
Research Talk #7006 presented 11/20 @ 9:00am	Lily Grace Renke† (Polytechnic) Emma Michelle Gordon‡ (HHS)	Kathryn Jean LaRoche (HHS)
Research Talk #7043 presented 11/20 @ 12:20pm	Sucheol Woo† (Polytechnic) Min Yong Chun* (Polytechnic)	Garam Kim (Polytechnic) Sung Jun Choi (Polytechnic) Eduardo Barocio Vaca (Engineering)
Research Talk #7044 presented 11/20 @ 12:40pm	Arjun Sandeep Gupte† (Engineering)	Byung-Cheol Min (Polytechnic) Ruiqi Wang (Polytechnic) Lakshmi Narayan Vishnunand Venkatesh (Polytechnic) Taehyeon Kim (Polytechnic)
Research Talk #7055 presented 11/20 @ 1:20pm	Yovani Garcia Munera† (Universidad Nacional de Colombia) Samuel Ricardo Duncan Vides† (Institución Universitaria de Barranquilla) Felipe Ramirez Franco* (Universidad Nacional de Colombia) Alen Santiago Lizarazo Osorio* (Universidad de La Sabana, Columbia)	Jose M Garcia Bravo (Polytechnic)
Research Talk #7068 presented 11/20 @ 2:40pm	Ashton Zachary Allen† (Polytechnic JMHC) Abhinaya Nagalla† (Polytechnic) Jordan Elizabeth Cooley† (Polytechnic JMHC) Juliana Reese St Denis† (Polytechnic JMHC) Evan Graham Coblentz‡ (Agriculture JMHC)	Kathryn Seigfried-Spellar (Polytechnic) Andrea DeMaria (Polytechnic)
Research Talk #7079 presented 11/20 @ 3:20pm	Ava Thant Samuel† (Engineering JMHC)	Lisa B Bosman (Polytechnic)
Virtual #9008 presented 11/19-11/26 virtually	Satyam Vipulbhai Dave† (Polytechnic) Yana Sheoran† (Science)	Matthew Lanham (DSB)
Virtual #9022 presented 11/19-11/26 virtually	Dang Kim Minh Nguyen† (Polytechnic) Donhyung Ko† (Engineering) Nam Hoang Tran† (Science) Muhammad Usman Mushahid† (Engineering)	Edward J Delp (Engineering)