

Fall 2023 Undergraduate Research Expo: *Engineering*

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

- If student's division is missing from the application, their divisions listed are based on institutional data.
- If a mentor's division is missing from the application, their division listed is based on their primary appointment at Purdue. Some Mentors' divisions may be missing or incorrect.
- For non-Purdue students or mentors, their primary institution/organization is listed instead.
- Spelling of names and appear as submitted in the conference application, with minor corrections for formatting or obvious errors.

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

Presentation	Students	Mentors
Poster #1003 presented 11/14 @ 9:00-10:00am	Aditi Anand† (Engineering) Amrutha Vaidyam† (Science) Adithya Chandrasekar‡ (Science) Christin Huene‡ (Engineering, JMHC)	Somali Chaterji (Engineering)
Poster #1004 presented 11/14 @ 9:00-10:00am	Ethan Baird† (Engineering, JMHC)	Mark Johnson (Engineering)
Poster #1005 presented 11/14 @ 9:00-10:00am	Samyukta Balaji† (Engineering) Aditya Sivathanu† (Engineering) Ava Fasano† (DSB) Cassidy Brown† (DSB)	Aaron Ault (Science) James Ogg (Science)
Poster #1006 presented 11/14 @ 9:00-10:00am	Joe Basti† (DSB) Grant Capps‡ (DSB) Eric Wang‡ (Unknown) Mario Arenas‡ (DSB) Max Kerkho‡ (DSB)	Shreya Ghosh (Engineering)
Poster #1008 presented 11/14 @ 9:00-10:00am	Anna Brantley† (Engineering)	Denny Yu (Engineering) Marian Obuseh (Engineering)
Poster #1012 presented 11/14 @ 9:00-10:00am	Evan Chen† (Engineering) Andrew Huang† (Engineering)	Shreya Ghosh (Engineering)
Poster #1013 presented 11/14 @ 9:00-10:00am	Ethan Chiao† (Engineering) Stephanie Close† (Engineering)	Lucas Cohen (Engineering)
Poster #1017 presented 11/14 @ 9:00-10:00am	Vincent Feliciano† (Engineering)	Linda Wang (Engineering) Clayton Gentilcore (Engineering) Cagri Un (Engineering) Daniel Hristov (Science)
Poster #1018 presented 11/14 @ 9:00-10:00am	Nicholas Ganino† (Engineering)	Wenzhuo Wu (Engineering) Nachiket Vatkar (Engineering) Don Perera (Engineering)
Poster #1024 presented 11/14 @ 9:00-10:00am	Tyler Hsieh† (Engineering, JMHC)	Rua Williams (Polytechnic) Michelle Garrison (HHS)
Poster #1027 presented 11/14 @ 9:00-10:00am	Ashwin Kidambi† (Engineering)	Liang Pan (Engineering) Justin Weibel (Engineering) Zekun Wu (Engineering)
Poster #1033 presented 11/14 @ 9:00-10:00am	Rashmika Manipati† (Engineering)	Nusrat Jung (Engineering) Brandon Boor (Engineering) Jordan Cross (Engineering) Brian Magnuson (Engineering)

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Presentation	Students	Mentors
Poster #1034 presented 11/14 @ 9:00-10:00am	Tristan Marta† (Engineering) Yu-Chun Lin† (Engineering) Kyung Jun Lee† (Engineering)	Pramey Upadhyaya (Engineering) Abhishek Solanki (Engineering)
Poster #1040 presented 11/14 @ 9:00-10:00am	Ariane Rednour† (Engineering)	Nusrat Jung (Engineering) Hongbo Lu (Engineering)
Poster #1045 presented 11/14 @ 9:00-10:00am	Diya Singh† (Science)	Wenzhuo Wu (Engineering) Pedro Henrique de Souza Barbosa (Engineering)
Poster #1046 presented 11/14 @ 9:00-10:00am	Sydney Sneed† (Science)	Scott Pluta (Science) Hayagreev Keri (Engineering)
Poster #1047 presented 11/14 @ 9:00-10:00am	Yubo Song† (Engineering, JMHC)	Tiwei Wei (Engineering)
Poster #1050 presented 11/14 @ 9:00-10:00am	Daanish Suhail† (Science) Benjamin Hodonicky† (Engineering) Phone Paing† (Engineering) Kshitij Shah† (Engineering) Zafeer Reza† (Engineering) Shao-Yuan Chang† (Engineering)	Chih-Chun Wang (Engineering) David Love (Engineering) James Krogmeier (Engineering)
Poster #1052 presented 11/14 @ 9:00-10:00am	Dhanush Tipparaju† (Engineering) Alex Nishio† (Science) Alex Lai‡ (Engineering) Miles Flippin‡ (Engineering) Zihan Lin‡ (Polytechnic) Jayson Stansbury* (Engineering) Ruoyi Li* (Engineering)	Abolfazl Hashemi (Engineering) Zijian He (Engineering) Shivam Bhat (Science)
Poster #1056 presented 11/14 @ 9:00-10:00am	Nicole Wang† (Engineering) Asav Gandhi† (Engineering) Stephen Fetterman† (Engineering)	Mark Johnson (Engineering) Sutton Hathorn (Engineering)
Poster #1201 presented 11/14 @ 10:30-11:30am	Ilan Benschikovski† (Engineering) Ishaan Rath† (Engineering)	Mark Johnson (Engineering) Cole Nelson (Engineering)
Poster #1203 presented 11/14 @ 10:30-11:30am	Lorenzo Cacciapuot† (Engineering)	Mark Johnson (Engineering) John Peterson (Engineering)
Poster #1204 presented 11/14 @ 10:30-11:30am	Indrayudh Chowdhury† (Engineering)	Mark Johnson (Engineering) Rauf Erkiletlioglu (Engineering)
Poster #1211 presented 11/14 @ 10:30-11:30am	Morgan Gyger† (Engineering) Brandon Mart† (Engineering)	Kari Clase (Agriculture)
Poster #1212 presented 11/14 @ 10:30-11:30am	Joshua Harp† (HHS) Jason Cachurt† (HHS) Olivia Phillips† (HHS, JMHC) Ashley Lund† (HHS) Annabelle Nelson† (HHS) Kirsten Strout‡ (HHS) Hannah Negash‡ (HHS) Kellyn Bucceri‡ (HHS) Reagan Fahey‡ (Science, JMHC) Chris Parrett‡ (HHS)	Laura Moffat (HHS) Katharine Czech (HHS) Alec Pannunzio (Engineering)
Poster #1214 presented 11/14 @ 10:30-11:30am	Guillaume Hu† (Engineering) Ronit Nallagatla† (Engineering) Ansh Patel† (Engineering) Zachary Lagpacan† (Engineering, JMHC)	Mark Johnson (Engineering) Tim Rogers (Engineering) Abinands Ramshanker (Engineering)

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Presentation	Students	Mentors
Poster #1215 presented 11/14 @ 10:30-11:30am	Joshua Hyatt† (Engineering) Atharv Bhattar† (Engineering) Ethan Farkas† (Engineering) Austin Lee† (Engineering) Stephen Widjaja† (Engineering) Evan Cahoon† (Engineering) Alejandro Diaz Contreras† (Engineering) Mahineer Ghosh† (Engineering) Parth K	Charles D'Onofrio (Engineering)
Poster #1217 presented 11/14 @ 10:30-11:30am	Temirlan Karataev† (Engineering) Tim Nadolsky‡ (Science) Shrish Senthilkumar‡ (Engineering) Caasi Boakye* (Science) Tanin Padungkirtsakul* (Engineering) Guanxi Zhou* (Engineering)	Yung-Hsiang Lu (Engineering) Kristen Yeon-Ji Yun (Liberal Arts)
Poster #1219 presented 11/14 @ 10:30-11:30am	Junhyeok Kil† (Science)	Eduardo Barocio (Engineering)
Poster #1225 presented 11/14 @ 10:30-11:30am	Ju Na Lee† (Engineering)	Wenzhuo Wu (Engineering) Ruifang Zhang (Engineering)
Poster #1227 presented 11/14 @ 10:30-11:30am	Ethan Lu† (Engineering) Colby Acton† (Engineering) Vinay Jagant† (Engineering) Marvin Lim† (Engineering) Ruth Sugiarto† (Engineering, JMHC) Weicheng Lee† (Engineering) K Annapoorna Prabhu† (Engineering) Yi-Ruei Weng† (Engineering) Suraj Kadajji* (E	Qiang Qiu (Engineering) Wei Zakharov (Libraries) Zichen Miao (Engineering)
Poster #1232 presented 11/14 @ 10:30-11:30am	Brian Ng† (Engineering) Haichang Li† (Polytechnic) Samantha Sudhoff† (Science) Tim Nadolsky* (Science) Joshua Kamphuis* (Engineering)	Kristen Yeon-Ji Yun (Liberal Arts) Yung-Hsiang Lu (Engineering)
Poster #1236 presented 11/14 @ 10:30-11:30am	Adithi Praveenkumar† (Engineering) Ishaan Bajpai† (Engineering) Julia Dolpies† (Unknown) Brian Qi† (Science)	Santiago Arias (Engineering)
Poster #1237 presented 11/14 @ 10:30-11:30am	Santosh Ramesh† (Science)	Wenzhuo Wu (Engineering) Robert Ccorahua (Engineering)
Poster #1238 presented 11/14 @ 10:30-11:30am	Jared Robbins† (Pharmacy, JMHC) Taylor Clark‡ (Agriculture, JMHC) Sarah Keller‡ (Agriculture, JMHC) Liam Robinson‡ (Engineering, JMHC) Lukas Hecht* (Engineering, JMHC)	Kristen Bellisario (JMHC)
Poster #1241 presented 11/14 @ 10:30-11:30am	Reva Simmons† (Engineering) Harry Lee‡ (Engineering, JMHC)	Garam Kim (Polytechnic)
Poster #1242 presented 11/14 @ 10:30-11:30am	Prisha Singhal† (Engineering) Mahad Faruqi† (Science) Nathon Tubbs* (Engineering)	Ali Shakouri (Engineering) Jabir Jahangir (Engineering)
Poster #1243 presented 11/14 @ 10:30-11:30am	Jack Snelling† (Engineering) Paraj Goyal† (Science)	Tho Le (Polytechnic)
Poster #1244 presented 11/14 @ 10:30-11:30am	Jacob Strietelmeier† (Science) Alex Carroll† (Engineering) Akshith Karri† (Science)	Andreas Jung (Science)

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Presentation	Students	Mentors
Poster #1249 presented 11/14 @ 10:30-11:30am	Jacob Valdez† (Engineering, JMHC) Sayantan Mukhuti† (Engineering, JMHC) Swami Karunakaran† (Engineering, JMHC)	Karen Marais (Engineering)
Poster #1251 presented 11/14 @ 10:30-11:30am	Vincent Wang† (Science) Jacob Valdez‡ (Engineering) Gabriel Oliviera‡ (Engineering) Josh Mansky‡ (Engineering) Max Lantz‡ (Engineering) Katie Kneeland‡ (Engineering)	Alina Alexeenko (Engineering) Tony Cofer (Engineering) Steven Pugia (Engineering) Jesus Meza-Galvan (Engineering)
Poster #1252 presented 11/14 @ 10:30-11:30am	Elena Warble† (HHS) Anaelle Gackiere† (HHS) Mattia Moran† (HHS) Elainna Papandrea† (HHS) Marissa Santia† (HHS) Abigail Rosborough† (HHS) Jack Bonnell† (Engineering) Aneesh Poddutur† (Engineering) Subbi Sathya† (HHS) Katharine Czech‡ (HHS)	Laura Moffat (HHS)
Poster #1255 presented 11/14 @ 10:30-11:30am	Cecilie Wiuff† (Engineering) Dhruv Sharma† (Engineering) Castor Yuan† (Engineering)	James Garrison (Engineering)
Poster #1400 presented 11/14 @ 12:00-1:00pm	Mukul Agarwal† (Science) Mayank Hothurt† (Engineering) Kodiak Ortiz† (Engineering) Isaac Mei† (Engineering) Branden Cho† (Engineering) William White† (Engineering) Daniel Yang† (Engineering) Sanya Dod‡ (Engineering) Joshua Kamphuis‡ (Engineering)	Yung-Hsiang Lu (Engineering) Kristen Yeon-Ji Yun (Liberal Arts)
Poster #1402 presented 11/14 @ 12:00-1:00pm	Nathan Arnold† (Engineering) Jatin Soni† (Engineering) Alexander Eiguren† (Engineering) Alan Chao† (Engineering) Grant Sims† (Engineering) Om Muthyala† (Science)	James Goppert (Engineering) Nicole Adams (HHS) Kong (Engineering)
Poster #1403 presented 11/14 @ 12:00-1:00pm	Kara Benbow† (Agriculture) Gabriela Surdyka† (Engineering)	Joe Kokini (Agriculture) Harrison Helmick (Agriculture)
Poster #1406 presented 11/14 @ 12:00-1:00pm	Jacob Chappell† (Engineering)	Mark Johnson (Engineering)
Poster #1407 presented 11/14 @ 12:00-1:00pm	Arunima Chowdhury† (Science) Esharaqa Jahid† (Engineering) Sami Zagha† (Engineering) Mert Ryan Kiroglu† (Science)	Renee Murray (Liberal Arts) Frederick Berry (Polytechnic)

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Presentation	Students	Mentors
Poster #1410 presented 11/14 @ 12:00-1:00pm	Avi Dubet† (Engineering) Isaac Fuksman† (Science, JMHC) Peter Zakariya† (Science) Sully Cisco‡ (Engineering) Rishabh Agarwal‡ (Engineering) Justin Gan‡ (Engineering) Derek Matthei‡ (Engineering) Annie Mitten‡ (Engineering) Renee Patton‡ (DSB) Dine	Shreyas Sundaram (Engineering) Younggil Chang (Engineering)
Poster #1412 presented 11/14 @ 12:00-1:00pm	Alaina Gartner† (Agriculture, Engineering) Keila Jellings‡ (Agriculture, Science)	Leonor Chagas Boavida (Agriculture)
Poster #1415 presented 11/14 @ 12:00-1:00pm	Jaya Hari† (Engineering, JMHC) Dheepa Hari† (Engineering, JMHC) Alice Dragnea† (Engineering) Junpei Ota† (Engineering) Aryan Srivastava† (Engineering) Natasha Gundapaneni‡ (Engineering) Sarah Sawhney‡ (Engineering)	Yung-Hsiang Lu (Engineering) Jiwoo Rachel Kim (Engineering) Worawis Sribunma (Engineering)
Poster #1417 presented 11/14 @ 12:00-1:00pm	Timothy Hein† (Engineering) Miguel Isrrael Teran† (Engineering)	Mark Johnson (Engineering) Conor Green (Engineering) Swapnil Bansal (Engineering)
Poster #1418 presented 11/14 @ 12:00-1:00pm	Allison Herr† (HHS) Duc Le† (HHS) Vicky Zheng† (HHS) Ethan Lin† (HHS) Devin Reynolds† (HHS) Yen-Hsi Lai† (HHS) Sienna Moon* (HHS) Linda Zou* (Science) Kayla Gaerte* (HHS)	Laura Moffat (HHS) Katharine Czech (HHS) Alec Pannunzio (Engineering)
Poster #1420 presented 11/14 @ 12:00-1:00pm	Kyochul Jang† (Science) Jacob Carroll† (Engineering) Ilhoon Lee† (Science) David Cho† (Science) David Lender† (Engineering)	Matthew Swabey (Engineering)
Poster #1421 presented 11/14 @ 12:00-1:00pm	Mateusz Jaszczuk† (Engineering)	Akshay Jacob Thomas (Engineering)
Poster #1422 presented 11/14 @ 12:00-1:00pm	Yuvraj Jhanwar† (Engineering)	Michael Johnson (Liberal Arts)
Poster #1424 presented 11/14 @ 12:00-1:00pm	Christine Kaylor† (DSB)	Tugba Karabiyik (Engineering)
Poster #1425 presented 11/14 @ 12:00-1:00pm	Mingyu Kim† (Engineering) Heesoo Kim† (Engineering)	James Davis (Engineering) Wenxin Jiang (Engineering)
Poster #1426 presented 11/14 @ 12:00-1:00pm	Anna Klupshas† (Science) Emanuel Borrort† (Engineering) Timur Uxukbayev† (Engineering) Quinten Sanders† (Engineering)	Andreas Jung (Science) Lingqiang He (Science) Amelia Binau (Science)
Poster #1427 presented 11/14 @ 12:00-1:00pm	William Koppin† (Engineering)	Sidney Ducleroir (Liberal Arts)

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Presentation	Students	Mentors
Poster #1430 presented 11/14 @ 12:00-1:00pm	Max Lantz† (Engineering) Jacob Valdez† (Engineering, JMHC) Josh Mansky† (Engineering) Gabriel Oliveira† (Engineering) Vincent Wang† (Engineering) Katie Kneeland† (Engineering)	Jesus Meza-Galvan (Engineering) Steven Pugia (Engineering) Tony Cofer (Engineering) Alina Alexeenko (Engineering)
Poster #1432 presented 11/14 @ 12:00-1:00pm	Jiawe Li† (Engineering)	Zhihong Chen (Discovery Park) Joerg Appenzeller (Engineering)
Poster #1433 presented 11/14 @ 12:00-1:00pm	Kenneth Liendo† (Engineering) Darbin Oh† (Engineering, JMHC) Benjamin Tofil† (Engineering) Gangsang Lee† (Engineering) Ryan Bailey† (Engineering, JMHC) Ho Jun Lee† (Engineering) Jensen Lee† (Engineering) Jiawei Li† (Engineering) Armaan Kanchan† (En	Zhihong Chen (Discovery Park) Joerg Appenzeller (Engineering) Richard Harlan (Engineering) Ronald Reger (Engineering)
Poster #1435 presented 11/14 @ 12:00-1:00pm	Eric Luscher† (Engineering)	Eduardo Barocio (Engineering) Pasita Pibulchinda (Engineering) R Byron Pipes (Engineering)
Poster #1437 presented 11/14 @ 12:00-1:00pm	Camila Andrea Martinez Montes† (Engineering)	Eduardo Barocio (Engineering) R Byron Pipes (Engineering) Garam Kim (Polytechnic)
Poster #1439 presented 11/14 @ 12:00-1:00pm	Areej Mirani† (Engineering) Zihao Ye‡ (Engineering) Brandon Orbach‡ (Engineering) Sejal Kumar‡ (Engineering)	Yung-Hsiang Lu (Engineering)
Poster #1440 presented 11/14 @ 12:00-1:00pm	Andrew Modin† (Engineering) Daniel Wu† (DSB) Mariam Ghoneima† (Engineering, JMHC) Brogan Holt† (DSB, JMHC) Max Cervantes† (Engineering, JMHC) Catherine Mayer† (DSB) Dylan Hall† (Engineering) Zach Tan† (Engineering) Josh Beigel† (DSB) Hey Chuck Lo	John Sheffield (Polytechnic)
Poster #1441 presented 11/14 @ 12:00-1:00pm	Jason Packard† (Engineering)	Ethan Adams (Engineering)
Poster #1445 presented 11/14 @ 12:00-1:00pm	Matthew Pung† (Engineering)	Lisa Bosman (Polytechnic)
Poster #1446 presented 11/14 @ 12:00-1:00pm	Paulo Ramirez† (Engineering) Tejas Kamdi† (Engineering) Yahor Lechanka† (Engineering) Benjamin Roeder† (Engineering) Shreya Sandu† (Engineering) Matt Wheeler† (Engineering)	Alina Alexeenko (Engineering) Jesus Meza-Galvan (Engineering) Steven Pugia (Engineering)
Poster #1447 presented 11/14 @ 12:00-1:00pm	Zachary Ramirez† (Engineering, JMHC) Shams Hoque† (Engineering, JMHC)	Tho Le (Polytechnic)
Poster #1448 presented 11/14 @ 12:00-1:00pm	Sejal Rhodes† (Engineering, JMHC) Paul Ulrich* (Engineering) Sarah Pushparaj* (Science)	Wenzhuo Wu (Engineering) Pedro Henrique de Souza Barbosa (Engineering)
Poster #1449 presented 11/14 @ 12:00-1:00pm	Nemisa Samanthapudi† (Engineering)	Tho Le (Polytechnic)

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Poster #1454 presented 11/14 @ 12:00-1:00pm	Daiana Valenzuela† (Engineering, JMHC)	Eduardo Barocio (Engineering) R Byron Pipes (Engineering) Garam Kim (Polytechnic)
Poster #1460 presented 11/14 @ 1:30-2:30pm	Brooklynn Fugate† (Engineering) Erin Kramert† (Science) Arpita Rattan† (Engineering)	Amy Reibman (Engineering) Haoyu Chen (Engineering)
Poster #1600 presented 11/14 @ 1:30-2:30pm	Mohammad Alfai† (Engineering)	Zijian He (Engineering) Shivam Bhat (Science)
Poster #1602 presented 11/14 @ 1:30-2:30pm	Ryland Barton† (Agriculture)	Laura Bowling (Agriculture) Dongseok Yang (Engineering)
Poster #1603 presented 11/14 @ 1:30-2:30pm	Andrew Behl† (DSB, JMHC) Benjamin Dravist† (Science, JMHC) Thomas Greer† (Engineering) Matthew Tolla† (Polytechnic)	Shivam Bhat (Science) Zijian He (Engineering)
Poster #1605 presented 11/14 @ 1:30-2:30pm	Veronica Brems† (Polytechnic)	Deniz Besiktepe (Polytechnic) Sogand Hasanzadeh (Engineering)
Poster #1607 presented 11/14 @ 1:30-2:30pm	Isabella Carpenter† (Engineering)	Sidney Ducleroir (Liberal Arts)
Poster #1609 presented 11/14 @ 1:30-2:30pm	Yen Jung Chen† (Engineering) Seungkeun Oh† (Engineering)	Sam Labi (Engineering) Shreya Ghosh (Engineering)
Poster #1615 presented 11/14 @ 1:30-2:30pm	Vamsi Deeduvanu† (Science) Joseph Carrig† (Engineering) Aryan Khanolkar† (Science, JMHC)	Ali Shakouri (Engineering) Martin Jun (Engineering) Jiho Lee (Engineering) Junyi Yuan (Engineering) Yuseop Sim (Engineering)
Poster #1616 presented 11/14 @ 1:30-2:30pm	Quan Dinh† (Science) Pratheek Kotla* (Science, DSB, JMHC)	Hua Cai (Engineering) Zhuoli Yin (Engineering) Laura Almeida Tinjaca (Engineering)
Poster #1618 presented 11/14 @ 1:30-2:30pm	Hanna Ertel† (Engineering) Jaehyuk Lee† (Science) Sejal Kumart† (Engineering) Paolo Gumasing† (Engineering)	James Ogg (Science) Aaron Ault (Engineering)
Poster #1620 presented 11/14 @ 1:30-2:30pm	Roy Galazka† (Science) Logan Carleton‡ (Science) Aniruddh Srivastava‡ (Science) DhiresH Himthani‡ (Engineering)	Sayan Ghosh (Science) Husheng Guan (Science)
Poster #1622 presented 11/14 @ 1:30-2:30pm	Brandon Goeppner† (Engineering)	Shreya Ghosh (Engineering)
Poster #1623 presented 11/14 @ 1:30-2:30pm	Xinyi Guan† (Science) Jon Kouki Saathoff† (Polytechnic)	Jan Allebach (Engineering) Xiaoyu Ji (Engineering)
Poster #1624 presented 11/14 @ 1:30-2:30pm	Alex Hartman† (Engineering) Jasper Hochbaum‡ (DSB) Drake Hagerman‡ (DSB) Mohammed Khan‡ (Engineering) Ella Goodrich‡ (Engineering) John Min‡ (Engineering) Grace Gellatly‡ (Engineering)	Shreya Ghosh (Engineering)
Poster #1626 presented 11/14 @ 1:30-2:30pm	Grace Kuntz† (Engineering, JMHC)	Sidi Deng (Engineering)

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Poster #1628 presented 11/14 @ 1:30-2:30pm	Ann Zi Lau† (Engineering) Mohammed Rafi† (Engineering) Gokulkrishnan Harikrishnan† (Engineering) Varun Gannavarapu† (Engineering) Richard VonTersch† (Engineering) Michael Fuchst† (Engineering) Pranay Jaggi† (Engineering) Roan Numa† (Engineering) Pr	Abinands Ramshanker (Engineering) Mark Johnson (Engineering)
Poster #1632 presented 11/14 @ 1:30-2:30pm	Luke Luschwitz† (Science) Abhilash Saravana† (Engineering) Chaeun Kim† (Engineering) Sam Desai† (DSB) Selina Li† (Engineering) Nikhita Madhavan‡ (Engineering)	Edward Delp (Engineering)
Poster #1633 presented 11/14 @ 1:30-2:30pm	Anika Mathur† (Science) Matthew Roxas† (Engineering) Chingwo Cheung† (Engineering) Arin Asawa† (Science) Lourdes Ignacio† (Science)	Edward Delp (Engineering) Carla Zoltowski (Engineering)
Poster #1635 presented 11/14 @ 1:30-2:30pm	Sahda Mohammadu Haroon† (Engineering)	David Warsinger (Engineering) Sudharsh Anandan (Engineering)
Poster #1636 presented 11/14 @ 1:30-2:30pm	Amir Mokhtarpour† (Engineering, JMHC) Yash Mishra† (Engineering) Yilin Xu† (Engineering) Sahil Mitra† (Engineering) Cade Edward Shock† (Engineering) Siddarth Calida† (Engineering) Matthew Robert Walter† (Engineering) Jerry Chen† (Engineering)	Mark Johnson (Engineering) Jude Pinto (Engineering) Cole Nelson (Engineering)
Poster #1637 presented 11/14 @ 1:30-2:30pm	Rebecca Mold† (Engineering, JMHC)	Eun Joong Oh (Agriculture) Fransheska Semidey (Agriculture)
Poster #1639 presented 11/14 @ 1:30-2:30pm	Tess Obuchowski† (Engineering, JMHC)	Mike Eddy (Science) Disha Okhai (Science) Ryan Ickert (Science)
Poster #1640 presented 11/14 @ 1:30-2:30pm	Heemir Patel† (Engineering)	Michael Johnson (Liberal Arts)
Poster #1643 presented 11/14 @ 1:30-2:30pm	Stanislav Pelipad† (Engineering)	Lucas Cohen (Engineering)
Poster #1644 presented 11/14 @ 1:30-2:30pm	Vinh Pham Ngoc Thanh† (Polytechnic) Eduard Tanase† (Engineering) Vignesh Charapalli† (Engineering) Connor Behrend† (Engineering, JMHC) Zeyad Aljaali* (Engineering) Vaibhav Turaga* (Engineering)	Aravind Machiry (Engineering) Fabiha Hashmat (Engineering)
Poster #1645 presented 11/14 @ 1:30-2:30pm	Sarah Pushparaj† (Science) Paul Ulrich† (Engineering, JMHC) Sejal Rhodes† (Engineering, JMHC)	Wenzhuo Wu (Engineering) Pedro Henrique de Souza Barbosa (Engineering)
Poster #1647 presented 11/14 @ 1:30-2:30pm	Felipe Sandoval† (Engineering) Georgia Griffin† (Engineering) Ben Eng† (Science) Victoria Chen† (Science) Nicholas Helushka† (Engineering) Naren Rachapalli† (Science)	Thomas Roth (Engineering) Samuel Elkin (Engineering) Soomin Moon (Engineering)

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Presentation	Students	Mentors
Poster #1652 presented 11/14 @ 1:30-2:30pm	Amy Tong† (Engineering) Tejasvi Nallagundla† (Science) Siddhant Tandon† (Engineering) Josh Chang† (Engineering)	Dave Barbarash (Agriculture)
Poster #1653 presented 11/14 @ 1:30-2:30pm	Anjali Vanamala† (Engineering, JMHC)	Tzu-Wen L. Cross (HHS) Anna Clapp Organski (HHS) Abigayle M. R. Simpson (HHS) Kimberly Kinzig (HHS)
Poster #1654 presented 11/14 @ 1:30-2:30pm	Mary Vaughan† (Engineering) Riley Arnholt† (Engineering) Sunehra Saleha† (Engineering) Chengyu Chiu† (Engineering) Feichi Huang‡ (Engineering)	Peter Bermel (Engineering) Saeed Mohammadi (Engineering)
Poster #1656 presented 11/14 @ 1:30-2:30pm	Vlada Volyanskaya† (Science) Kabir Batra† (Engineering) Shubham Shrivastava* (Science)	Di Qi (Science) Wen-wen Tung (Science) Rishabh Gupta (Science)
Poster #1658 presented 11/14 @ 1:30-2:30pm	Yu-Xuan Yang† (Engineering) Franco Harding† (Engineering) Siddhart Gaur† (Engineering)	Zhihong Chen (Discovery Park) Saeed Mohammadi (Engineering)
Research Talk #7000 presented 11/15 @ 9:00am	Rishi Mantri† (Engineering)	Shreya Ghosh (Engineering)
Research Talk #7001 presented 11/15 @ 9:20am	Radhika Kulkarni† (Engineering)	Craig Goergen (Engineering) Elnaz Ghajar-Rahimi (Engineering) Grace O'Connell (University of California Berkeley) Shiyin Lim (University of California Berkeley) Reece Huff (University of California Berkeley)
Research Talk #7003 presented 11/15 @ 9:00am	Shubham Saluja Kumar Agarwal† (Engineering) Vidisha Singhal† (Engineering) Dennis Dai† (Engineering) Leo Chen‡ (Engineering)	Yung-Hsiang Lu (Engineering)
Research Talk #7004 presented 11/15 @ 9:20am	Maxwell Michalec† (Engineering) Om Gupta† (Engineering) Fahad Aloufi† (Engineering)	Mark Johnson (Engineering) Cole Nelson (Engineering)
Research Talk #7005 presented 11/15 @ 9:40am	Areli Viveros† (Polytechnic) Hoang Hua† (Engineering)	Tho Le (Polytechnic)
Research Talk #7006 presented 11/15 @ 10:00am	Krish Thakkar† (Engineering) Ben Krugman† (Engineering) Audrey DeKoninck† (Engineering, JMHC) Ella Richardson† (Engineering, JMHC) Meredith Clark† (Engineering) Kathleen Martinus† (Engineering)	Xiaoyu Liu (Engineering)
Research Talk #7007 presented 11/15 @ 10:20am	Maximillian Farrell† (DSB) Jack Scarfo† (Engineering) Arjun Gupte† (Engineering) Anish Asthi† (Engineering) Akshath Raghav† (Engineering) Sergio Montalvo* (Engineering)	Matthew Swabey (Engineering) Jaeun Kim (Engineering)
Research Talk #7008 presented 11/15 @ 10:40am	Emerson Zubb† (Engineering)	José Garcia (Polytechnic)
Research Talk #7010 presented 11/15 @ 10:20am	Joseph Lopez† (Engineering, JMHC)	Pramey Upadhyaya (Engineering) Abhishek Solanki (Engineering)

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Presentation	Students	Mentors
Research Talk #7019 presented 11/15 @ 11:00am	William Stevens† (Science) Mykhailo Tsysin† (Engineering) Vishal Urs† (Engineering) Karthik Selvaraj† (Engineering) Gabriel Torrest† (Engineering)	Edward Delp (Engineering) Carla Zoltowski (Engineering)
Research Talk #7020 presented 11/15 @ 11:20am	Harry Lee† (Engineering, JMHC)	Garam Kim (Polytechnic) Eduardo Barocio (Engineering)
Research Talk #7021 presented 11/15 @ 11:40am	Cole Stephen† (Engineering)	Tiwei Wei (Engineering)
Research Talk #7025 presented 11/15 @ 11:00am	Evan Landau† (Engineering)	Olga Lyanda-Geller (Liberal Arts)
Research Talk #7028 presented 11/15 @ 12:00pm	Arjun Gupte† (Engineering)	Byung-Cheol Min (Polytechnic) Ruiqi Wang (Polytechnic)
Research Talk #7029 presented 11/15 @ 12:20pm	Sunehra Saleha† (Engineering) Hannah Houston‡ (Engineering) Carl Hahn‡ (Engineering)	Muhammad Hussain (Engineering) Dhiya Belkadi (Engineering) Min Sung Kim (Engineering)
Research Talk #7030 presented 11/15 @ 12:40pm	Diya Sakhrani† (Engineering) Radhika Kulkarni* (Engineering) Grace Rennekamp* (Engineering)	Craig Goergen (Engineering) Elnaz Ghajar-Rahimi (Engineering)
Research Talk #7032 presented 11/15 @ 12:20pm	Malcolm McClymont† (Engineering) Burkay Sahin† (Engineering) Devin Singh† (Engineering)	Mark Johnson (Engineering) Cole Nelson (Engineering)
Research Talk #7033 presented 11/15 @ 12:40pm	Dulani Wijayarathne† (Engineering) Sreevickrant Sreekanth† (Engineering)	Milind Kulkarni (Engineering) Raghav Malik (Engineering)
Research Talk #7039 presented 11/15 @ 12:40pm	Muhammad Hamza† (Engineering)	Michael Johnson (Liberal Arts)
Research Talk #7040 presented 11/15 @ 1:20pm	Hudson Hochstedler† (Engineering)	Harsha Honnappa (Engineering) Zachary Selk (Queens University)
Research Talk #7041 presented 11/15 @ 1:40pm	Spencer Bowles† (Engineering, JMHC) Michael Foster‡ (Engineering)	Peter Bermel (Engineering) Jie Zhu (Engineering)
Research Talk #7042 presented 11/15 @ 1:00pm	Rohan Gangaraju† (Engineering) Pranav Srisankar† (Engineering) Sean Greenley† (Engineering)	Mark Johnson (Engineering) Cole Nelson (Engineering)
Research Talk #7043 presented 11/15 @ 1:20pm	Byung Wook Kim† (Engineering) Hyunjun Park† (Engineering) Spencer Gries† (Engineering) Kisal Wijesooriya† (Science)	Sivaranjani Seetharaman (Engineering)
Research Talk #7044 presented 11/15 @ 1:40pm	Abigail Frank† (Engineering, JMHC)	Kirsten Davis (Engineering) Jennifer DeBoer (Engineering) Stephanie Claussen (San Francisco State University) Lucy Nyambura (Tumaini Innovation Center)
Research Talk #7051 presented 11/15 @ 2:00pm	Pranav Parigi† (Engineering)	Alex Chortos (Engineering) Jue Wang (Engineering)
Research Talk #7052 presented 11/15 @ 2:20pm	Adam Piaseczny† (Engineering)	Chris Brinton (Engineering) Eric Ruzomberka (Princeton University) Rohit Parasnis (Massachusetts Institute of Technology)
Research Talk #7053 presented 11/15 @ 2:40pm	Jack Martin† (Engineering, JMHC)	Diane Collard (Engineering) Steven Son (Engineering)
Research Talk #7054 presented 11/15 @ 2:00pm	Avigdor Roytman† (Engineering) Ashwin Sreedhar† (Engineering) Abhiram Nambiar† (Engineering) Kris Gurung† (Engineering)	Edward Delp (Engineering) Carla Zoltowski (Engineering)

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

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Presentation	Students	Mentors
Research Talk #7055 presented 11/15 @ 2:20pm	Tyler Ramsey† (Engineering)	Justin Hess (Engineering)
Research Talk #7056 presented 11/15 @ 2:40pm	Dulani Wijayarathne† (Engineering) Anika Bajpai‡ (Engineering)	James Davis (Engineering) Jason Jones (Engineering)
Research Talk #7061 presented 11/15 @ 2:20pm	Aakanksha Shripal† (Engineering) Aadya Pawar† (Science) Jonah Nichols† (Engineering) Jasper Koliba‡ (Engineering) Aarohi Panzade‡ (Science, JMHC) Aarini Panzade‡ (Science, JMHC) Daniel Zheng‡ (Engineering) Anish Bhowmik‡ (Science) Reagan Becker‡ (David Purpura (Education) Avery Closser (Education)
Research Talk #7063 presented 11/15 @ 3:00pm	Ishika Jindal† (Engineering) Sienna Grey† (Engineering, JMHC)	Brandon Boor (Engineering) Satya Patra (Engineering) Nusrat Jung (Engineering)
Research Talk #7064 presented 11/15 @ 3:20pm	Reagan Bushok† (Engineering)	Leopold Green (Engineering) Douglas Brubaker (Case Western Reserve University) Damilola Lawore (Engineering) Smrutiti Jena (Engineering)
Research Talk #7065 presented 11/15 @ 3:40pm	Marco Herbsommer† (Engineering)	Vikas Tomar (Engineering) Sushrut Karmarkar (Engineering) Mahavir Singh (Engineering)
Research Talk #7066 presented 11/15 @ 3:00pm	Ethan Kovalan† (Engineering) Frank Huang† (Engineering) Yiyun Wang† (Engineering) Ching Chen† (Engineering)	Zhihong Chen (Discovery Park) Peter Bermel (Engineering) Saeed Mohammadi (Engineering)
Research Talk #7067 presented 11/15 @ 3:20pm	Long Nguyen† (Engineering)	Sutton Hathorn (Engineering)
Research Talk #7068 presented 11/15 @ 3:40pm	Pei-Lun (Patricia) Chen† (Engineering)	Steve Steinhubl (Engineering) Matthew Ward (Engineering) Mohamed Elgendi (ETH Zurich) Carlo Menon (ETH Zurich)
Research Talk #7070 presented 11/15 @ 3:20pm	Min Yong Chun† (Polytechnic) Harry Lee‡ (Engineering, JMHC)	Garam Kim (Polytechnic) Eduardo Barocio (Engineering)
Research Talk #7075 presented 11/15 @ 4:00pm	Grayson Wittbrodt† (Engineering)	Brandon Boor (Engineering) Nusrat Jung (Engineering) Jinglin Jiang (Engineering) Xiaosu Ding (Engineering)
Research Talk #7076 presented 11/15 @ 4:20pm	Ethan O'Banion† (Engineering)	Dr. Siamak Shams Es-haghi (University of Maine)
Research Talk #7078 presented 11/15 @ 4:00pm	Johnathan Hong† (Engineering) Sooraj Chetput† (Engineering) FangLing Zhang† (Engineering) Zengxiang Han‡ (Engineering)	Tim Rogers (Engineering) Mark Johnson (Engineering) Anusuya Nallathambi (Engineering) Sharath Shivakumar (Engineering)
Research Talk #7079 presented 11/15 @ 4:20pm	Alec Pannunzio† (Engineering, JMHC)	Sam Labi (Engineering)
Research Talk #7080 presented 11/15 @ 4:40pm	Fah Yen† (Engineering) Max Chang‡ (Science) Samay Nandwana‡ (Science)	James Davis (Engineering)

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Presentation	Students	Mentors
Research Talk #7081 presented 11/15 @ 4:00pm	Gavin Cloyd† (Liberal Arts, JMHC) Jackson Stone† (Polytechnic, JMHC) Sahil Desai‡ (Engineering, JMHC) Jue Fang‡ (Polytechnic, JMHC)	Jason Ware (JMHC)
Research Talk #7083 presented 11/15 @ 4:40pm	Priyam Gupta† (Engineering, JMHC) Eric Broyles‡ (Engineering, JMHC)	Bob Kenley (Engineering) Dongyang Li (Engineering) Mahdi Hosseini (Engineering)
Research Talk #9000 presented 11/14-11/21 virtually	Kyle Bautista† (Engineering) Derek Chi† (Engineering)	Mark Johnson (Engineering) Ryan Montsma (Engineering)
Research Talk #9001 presented 11/14-11/21 virtually	Jaehong Choi† (Engineering) Rohan Joshi† (Engineering) Wen-Bo Hung† (Engineering) Yunlin Zhang† (Engineering)	Mark Johnson (Engineering) Ryan Montsma (Engineering) Cole Nelson (Engineering) Maxwell Michalec (Engineering) Jude Pinto (Engineering)
Research Talk #9002 presented 11/14-11/21 virtually	Ta-Kuan Chuang† (Engineering)	Brandon Boor (Engineering) Nusrat Jung (Engineering) Chunxu Huang (Engineering)
Research Talk #9003 presented 11/14-11/21 virtually	Lekha Durai† (Engineering, JMHC)	Kirsten Davis (Engineering) Jennifer DeBoer (Engineering)
Research Talk #9004 presented 11/14-11/21 virtually	Samuel Forfang† (Science, DSB) Vincent Graciano‡ (Engineering) Pratheek Kotla‡ (Science, DSB, JMHC)	Mark Janis (Indiana University)
Research Talk #9005 presented 11/14-11/21 virtually	Andrew Fulkerson† (Engineering)	Carlos Corvalan (Agriculture) Jiakai Lu (University of Massachusetts, Amherst)
Research Talk #9007 presented 11/14-11/21 virtually	Wesley Kestenbaum† (Engineering)	Michael Johnson (Liberal Arts)
Research Talk #9008 presented 11/14-11/21 virtually	Rushil Khandelwal† (Engineering) Prahlad Shelvapille‡ (DSB) Jackson Thompson‡ (DSB) Doren Cohen‡ (Engineering) Adrian Romo-Loomis‡ (Engineering) Alexander Collins‡ (DSB)	Shreya Ghosh (Engineering)
Research Talk #9009 presented 11/14-11/21 virtually	Kyung Min Ko† (Engineering) Gunvanth Reddy Kandula† (Science) Yash Rajendra Ashhtekar‡ (Engineering) Kanav Atre‡ (Engineering)	Edward Delp (Engineering)
Research Talk #9011 presented 11/14-11/21 virtually	Garrett Lail† (Engineering) Jonathan Huang† (Engineering) Sudhanva Donakonda† (Engineering)	Cole Nelson (Engineering)
Research Talk #9012 presented 11/14-11/21 virtually	Yunhao Lan† (Engineering) Ben Owen† (Engineering, JMHC)	Mark Johnson (Engineering) Ryan Montsma (Engineering)
Research Talk #9013 presented 11/14-11/21 virtually	Tam Le† (Engineering) Tsai-Shuang Lan† (Engineering) Andrew Schlabach† (Engineering) Kerway Tsai† (Engineering)	Mark Johnson (Engineering) Boyuan Chen (Engineering)
Research Talk #9014 presented 11/14-11/21 virtually	Michael Lee† (Engineering, JMHC) Rauf Emre Erkiletlioglu* (Engineering)	Mark Johnson (Engineering)
Research Talk #9015 presented 11/14-11/21 virtually	Pu-Wei Lee† (Engineering) Woosik Kim† (Engineering)	Ryan Montsma (Engineering) Cole Nelson (Engineering)
Research Talk #9016 presented 11/14-11/21 virtually	Yuechan Li† (Polytechnic)	Abolfazl Hashemi (Engineering) Shivam Bhat (Science) Zijian He (Engineering)

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Presentation	Students	Mentors
Research Talk #9017 presented 11/14-11/21 virtually	Clark Liao† (Education)	Mark Johnson (Engineering) Jude Pinto (Engineering)
Research Talk #9018 presented 11/14-11/21 virtually	Yung-Chieh Lin† (Engineering) Qiuyang Huang† (Engineering)	Sam Labi (Engineering) Shreya Ghosh (Engineering)
Research Talk #9019 presented 11/14-11/21 virtually	Ya-Han Lin† (Engineering)	Mark Johnson (Engineering) Jude Pinto (Engineering)
Research Talk #9021 presented 11/14-11/21 virtually	Mateo Llerena† (Engineering, JMHC) Shalav Kakati* (Engineering) Mridula Naikawadi* (Engineering) Aditya Hebbani* (Engineering) Luke DeLorenzo* (Engineering) Dean Smith* (Unknown) Devesh Mehra* (Engineering)	Shreyas Sundaram (Engineering) Charles D'Onofrio (Engineering)
Research Talk #9024 presented 11/14-11/21 virtually	John Mburu† (Science) Joseph Lopez* (Engineering)	Pramey Upadhyaya (Engineering) Abhishek Solanki (Engineering)
Research Talk #9028 presented 11/14-11/21 virtually	Adrian Persaud† (Engineering) Hana Wong† (Engineering)	Mark Johnson (Engineering) Swapnil Bansal (Engineering) Conor Green (Engineering)
Research Talk #9030 presented 11/14-11/21 virtually	Annabelle Redman† (HHS)	Kari Clase (Agriculture) Daphne Krutulis (Engineering)
Research Talk #9033 presented 11/14-11/21 virtually	Mark Rome† (Engineering)	Sidney Ducleroir (Liberal Arts)
Research Talk #9035 presented 11/14-11/21 virtually	Aditya Sood† (Engineering) Vishnu Lagudu‡ (Engineering)	Mark Johnson (Engineering) Jude Pinto (Engineering)
Research Talk #9036 presented 11/14-11/21 virtually	Sreevickrant Sreekanth† (Engineering) Cy Logan‡ (Science) Vanamali Vemparala‡ (Science) Pratham Agrawal‡ (Science)	James Davis (Engineering)
Research Talk #9037 presented 11/14-11/21 virtually	Harshith Suresh† (Polytechnic)	Charles D'Onofrio (Engineering)
Research Talk #9039 presented 11/14-11/21 virtually	Tin Tran† (Engineering) Duc Tri Than† (Engineering) Duncan Nguyen† (Engineering)	Mark Johnson (Engineering) Ryan Montsma (Engineering) Cole Nelson (Engineering)
Research Talk #9040 presented 11/14-11/21 virtually	Boheng Zhao† (Engineering, Science)	Conor Green (Engineering) Mark Johnson (Engineering)