

Fall 2024 Undergraduate Research Symposium: Engineering

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 OUR*Connect*. Names may be edited (for future reporting) via "my profile" in OUR*Connect*.

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

Presentation	Students	Mentors
Poster #1003 presented	Niklas Eric Anderson ⁺ (Engineering)	Ryan B Wagner (Engineering)
11/19 @ 9:00-10:00am		
Poster #1006 presented	Alex Jameson Appiah ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 9:00-10:00am		
Poster #1011 presented	Cristian Marcos Barinaga ⁺	Juan Camilo Mesa Agudelo (Engineering)
11/19 @ 9:00-10:00am	(Engineering JMHC)	
Poster #1014 presented	Cole Emerson Blocher ⁺ (Engineering)	Jesus Adrian Meza Galvan (Engineering)
11/19 @ 9:00-10:00am	Elian David Coyotl Garcia ⁺ (Engineering)	Anthony G Cofer (Engineering)
	Chanwoo Lim ⁺ (Engineering)	Steven M Pugia (Engineering)
	Cassius Samuel Sampson ⁺ (Engineering)	Alina Alexeenko (Engineering)
	Ria Sinha† (Engineering)	
Poster #1016 presented	Catherine Therese Nicole Bradley ⁺	Diane Collard (Engineering)
11/19 @ 9:00-10:00am	(Engineering JMHC)	
	Gianna Marie Arnone‡ (Engineering)	
Poster #1017 presented	Zachary V Bryant ⁺ (Engineering JMHC)	Riley Bradley Barta (Engineering)
11/19 @ 9:00-10:00am		Yash Shantilal Parmar (Engineering)
Poster #1020 presented	Ethan Joseph Chace ⁺ (Engineering)	Niall Patrick Moloney (Engineering)
11/19 @ 9:00-10:00am	Yuet Ching Jolie Lai ⁺ (Engineering)	
	Kailey Christina Dvorak ⁺ (Engineering)	
	Marvel Jiaxiang Zheng ⁺ (Engineering)	
Poster #1021 presented	Christopher Timothy Chan ⁺ (Engineering)	David Michael Barbarash (Agriculture)
11/19 @ 9:00-10:00am	Justin Song ⁺ (Engineering)	
	Niril Jestus ⁺ (Engineering)	
	Jacob Adam Clark ⁺ (Engineering)	
	Sabrina Louise Gray ⁺ (Engineering)	
	Mihika Sharma† (Science)	
Poster #1022 presented	Shaan Jitesh Chanchani ⁺ (Engineering)	Amy R Reibman (Engineering)
11/19 @ 9:00-10:00am	Aryan Amol Khanolkar ⁺ (Science JMHC)	Haoyu Chen (Engineering)
	Claire Seol Kim ⁺ (Engineering)	
	Joshua C Mansky† (Engineering)	
	Medhashree Parhy ⁺ (Science)	
	Armaan Arshad Sayyad† (Science)	
	Parth Thakre [†] (Science)	
Poster #1024 presented	Aditya Chattopadhyay ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 9:00-10:00am		
Poster #1025 presented	Chengyu Chiu† (Engineering)	Peter Bermel (Engineering)
11/19 @ 9:00-10:00am	Pin-Chen Su ⁺ (Engineering)	Saeed Mohammadi (Engineering)
	Yoshiki Takeuchi† (Engineering)	Frank Huang (Engineering)
	Qiming Chai ⁺ (Engineering)	

Presentation	Students	Mentors
Poster #1030 presented	Deborah Mercylin David ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 9:00-10:00am		
Poster #1031 presented	Joshua Armstrong Davis ⁺ (Engineering JMHC)	Thomas H Siegmund (Engineering)
11/19 @ 9:00-10:00am		
Poster #1033 presented	Rhea Dutta ⁺ (Engineering JMHC)	Lisa B Bosman (Polytechnic)
11/19 @ 9:00-10:00am		
Poster #1035 presented	Deniz Eksioglu ⁺ (Engineering JMHC)	Hyowon Lee (Engineering)
11/19 @ 9:00-10:00am	Danival Fazalt (Engineering)	Jae Young Park (Engineering)
Poster #1038 presented 11/19 @ 9:00-10:00am	Daniyal Fazal† (Engineering) Harmon Howse† (DSB JMHC)	Santiago Torres Arias (Engineering)
11/19 @ 9.00-10.00am	Nicholas Marshall Andry ⁺ (Science)	
	Jayden Chun-Hin Chow ⁺ (DSB JMHC)	
	Oliver J Wang ⁺ (Polytechnic)	
Poster #1046 presented	Audrey Jean Heckel ⁺ (Engineering JMHC)	Andrew DeWoody (Agriculture)
11/19 @ 9:00-10:00am		Andrew Dewoody (Agriculture)
Poster #1047 presented	Amanda Joan Holmes ⁺ (Science)	Ali Bramson (Science)
11/19 @ 9:00-10:00am	Jacob Harlow Ehman‡ (Engineering)	All brainson (science)
Poster #1048 presented	Jacob Charles Humphrey ⁺ (Engineering)	Zhihong Chen (Centers & Institutes)
11/19 @ 9:00-10:00am	Dilay Aygun ⁺ (Engineering)	Joerg Appenzeller (Engineering)
11/15 @ 5.00 10.000	Huan Wen Mao† (Engineering)	Joerg Appenzener (Engineering)
	Rakhmatillokhon Avazkhon u Abdubaev [†]	
	(Engineering)	
	Hsun-Ti Chiang ⁺ (Engineering)	
	Charlita Sinmak ⁺ (Engineering)	
	Hao Tian Pang ⁺ (Engineering)	
	Ryan Prado Bailey ⁺ (Engineering JMHC)	
Poster #1052 presented	Christina Joslin [†] (Science Graduate JMHC)	Nadia Gkritza (Engineering)
11/19 @ 9:00-10:00am		Bruno cesar Krause moras (Engineering)
Poster #1054 presented	Daniel Ethan Kelley ⁺ (Engineering)	Craig Goergen (Engineering)
11/19 @ 9:00-10:00am		Cortland Hannah Johns (Engineering)
Poster #1055 presented	Puthimet Kitjaruwankul ⁺ (Engineering)	Mark Johnson (Engineering)
11/19 @ 9:00-10:00am	Chewon Yu Park ⁺ (Engineering)	Cole Aaron Nelson (Engineering)
	Shrienidhi Gopalakrishnan† (Engineering)	
Poster #1056 presented	Koon Joseph Klieopatinon ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 9:00-10:00am		
Poster #1057 presented	Ashwin B Kokate ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 9:00-10:00am		
Poster #1061 presented	Michael Li ⁺ (Engineering JMHC)	Cole Aaron Nelson (Engineering)
11/19 @ 9:00-10:00am	Yash Singh ⁺ (Engineering)	Mark Johnson (Engineering)
Poster #1062 presented	Jessica Serena Jiayue Li ⁺ (Engineering JMHC)	Jinha Jung (Engineering)
11/19 @ 9:00-10:00am	Jingyu Xiao* (Engineeing JMHC)	
Poster #1064 presented	Santino Basilio Macaggi ⁺ (Engineering)	Patrick James Cavanaugh (Engineering)
11/19 @ 9:00-10:00am		Jan-Anders E Mansson (Engineering)
Poster #1065 presented	Antonios Maniatis ⁺ (Engineering)	Timothy Francis Hein (Engineering)
11/19 @ 9:00-10:00am	Rongbo Hu† (Engineering)	Conor James Green (Engineering)
	Leo Pearson Malachowski [†]	Mark Johnson (Engineering)
Destau #4000	(Engineering JMHC)	Dilau Desellari Dest. (5. 1. 1.)
Poster #1066 presented	Kayla Elizabeth Manley ⁺ (Engineering)	Riley Bradley Barta (Engineering)
11/19 @ 9:00-10:00am	Tanvir Kaur ⁺ (Engineering)	
	Madison Paige Ward ⁺ (Engineering)	
	Nishtha Singh ⁺ (Engineering)	

Presentation	Students	Mentors
Poster #1069 presented	Vinay Sai Meda ⁺ (Science)	Yung-Hsiang Lu (Engineering)
11/19 @ 9:00-10:00am	Tanishaa Shah† (Engineering)	Yeon Ji Yun (Liberal Arts)
	Samitha Ranasinghe ⁺ (Engineering)	
	Tiana Yi Jen Lin† (Engineering)	
	Samantha Sudhoff ⁺ (Science)	
Poster #1070 presented	Grant Joseph Miller ⁺ (Engineering JMHC)	Yubo Song (Engineering)
11/19 @ 9:00-10:00am	Joshua Decker Buss* (Engineering JMHC)	
Poster #1071 presented	Andrew Evan Modin ⁺ (Engineering)	Shubhanshu Agarwal (Engineering)
11/19 @ 9:00-10:00am		Rakesh Agrawal (Engineering)
Poster #1074 presented	Ji Bing Ni ⁺ (Science)	Junfei Li (Engineering)
11/19 @ 9:00-10:00am		
Poster #1080 presented	Maria Pundik ⁺ (Engineering JMHC)	Clark C Addis (Engineering)
11/19 @ 9:00-10:00am	Chelsea Tinsley*	Andres Arrieta Diaz (Engineering)
	Kendal ZaiSi Tinsley*	
Poster #1081 presented	Sarah Pushparaj ⁺ (Science JMHC)	Wenzhuo Wu (Engineering)
11/19 @ 9:00-10:00am		
Poster #1083 presented	Lea Nikole Quiroa Lopez†	Garam Kim (Polytechnic)
11/19 @ 9:00-10:00am	Juan Pablo Melgar Feregrino†	Eduardo Barocio Vaca (Engineering)
Poster #1084 presented	Felipe Ramirez Franco ⁺ (Universidad Nacional	Vijay Gupta (Engineering)
11/19 @ 9:00-10:00am	de Colombia)	
	Alen Santiago Lizarazo Osorio* (Universidad	
	de La Sabana, Columbia)	
	Yovani Garcia Munera* (Universidad Nacional	
	de Colombia)	
Poster #1085 presented	Architha Rao ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 9:00-10:00am		
Poster #1087 presented	Alejandro Sebastian Sanchez Garza ⁺	Eduardo Barocio Vaca (Engineering)
11/19 @ 9:00-10:00am	Cameron J Hartsfield ⁺ (Engineering)	
	Luis Carlos Nino Cabello ⁺	
Poster #1088 presented	Maharsh Bhavesh Shah ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 9:00-10:00am		
Poster #1090 presented	Devin Singh ⁺ (Engineering)	Cole Aaron Nelson (Engineering)
11/19 @ 9:00-10:00am	Vidisha Singhal ⁺ (Engineering)	Mark Johnson (Engineering)
	Michael Jeffery Dick ⁺ (Engineering)	Jacob Chappell (Engineering)
	Luca Renato Simoni ⁺ (Engineering)	Conor James Green (Engineering)
	Andrew Michael Lykken ⁺ (Engineering)	
Poster #1091 presented	Nora Jacques Siri ⁺ (Engineering)	Niall Patrick Moloney (Engineering)
11/19 @ 9:00-10:00am	Andrew Earl Medlyn ⁺ (Engineering)	
	Joseph Talon Vesco ⁺ (Engineering)	
	Muhammad Rifqi Priatama Sambodo ⁺	
	(Engineering)	
	Albertus Magnus Ethanael Nusawardhana*	
	(Engineering)	
	Dylan Richard McCool* (Engineering)	
	Brandon William Davis* (Engineering)	
	Nathan Jaekun Lee* (Engineering)	
Poster #1092 presented	Lawrence Folsom Smith ⁺ (Engineering)	James C Davis (Engineering)
11/19 @ 9:00-10:00am	Hyeonwoo Heo† (Engineering)	
	Joshua Peter LeBlanc ⁺ (Engineering)	
	Nathanael Aou ⁺ (Science)	
	Rohan Chandra Mudugere‡ (Engineering)	
	Kyle John Massie‡ (Engineering)	
Poster #1093 presented	Nathaniel A Smith ⁺ (Engineering)	Dali Lai (Engineering)
11/19 @ 9:00-10:00am		

Presentation	Students	Mentors
Poster #1095 presented	Patrick Randall Spillman ⁺ (Engineering JMHC)	Shreya Ghosh (Engineering)
11/19 @ 9:00-10:00am	David Wesley Thoe ⁺ (Engineering)	
	Aditya Verma† (Engineering)	
	Richard Ye ⁺ (Engineering)	
	Samuel Elijah Nadol ⁺ (Engineering)	
Poster #1096 presented	Nolan Cai Tai ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 9:00-10:00am		
Poster #1097 presented	Austin Robert Tanabe [†]	Kari L Clase (Engineering)
11/19 @ 9:00-10:00am	(Agriculture Engineering JMHC)	Aaron J Gin (Purdue University)
	Daniel Russell Cline ⁺	Amanda K Limiac (Engineering)
	(Agriculture Engineering)	
	Collin Jayson Kao* (Agriculture Engineering)	
Poster #1098 presented	Eduard Filip Tanase ⁺ (Engineering JMHC)	Cole Aaron Nelson (Engineering)
11/19 @ 9:00-10:00am	Aiden Hughes Sexton ⁺ (Engineering)	Mark Johnson (Engineering)
	Alexander Thomas Aylward ⁺	
	(Engineering JMHC)	
	Cecilie Zhang ⁺ (Engineering)	
	Alexander Raffaele Ciccarelli ⁺ (Engineering)	
	Khanh Nam Nguyen ⁺ (Engineering)	
Poster #1099 presented	Benjamin Anderson Tofil ⁺ (Engineering)	Feichi Huang (Engineering)
11/19 @ 9:00-10:00am	Gangsan Lee ⁺ (Engineering)	
	Brian Martin Dodd ⁺ (Engineering)	
	Neha Saleha ⁺ (Engineering)	
	Alexandre Chan Tome ⁺ (Engineering)	
	Cheong Eun Kim ⁺ (Engineering)	
	Sang Soo Ha† (Engineering)	
Poster #1106 presented	William Samuel Walker† (Engineering JMHC)	Nachiket Vatkar (Engineering)
11/19 @ 9:00-10:00am	Abiram S Gurijala‡ (Engineering)	Wenzhuo Wu (Engineering)
Poster #1108 presented	Madison Paige Ward ⁺ (Engineering)	Riley Bradley Barta (Engineering)
11/19 @ 9:00-10:00am		
Poster #1111 presented	Renzhi Yongtian ⁺ (Engineering)	Mark Johnson (Engineering)
11/19 @ 9:00-10:00am	Rauf Emre Erkiletlioglu‡ (Engineering)	Matthew A Swabey (Engineering)
	Tei Okamoto* (Engineering)	
	Weijing Sebastian Chen* (Engineering)	
	Anika Bajpai* (Engineering)	
	Aditya S Hebbani* (Engineering)	
Poster #1112 presented	Radman Tor Zarbock ⁺ (Engineering JMHC)	Philippe Pastor (Institut Supérieurde
11/19 @ 9:00-10:00am		lAéronautique et de lEspace)
Poster #1113 presented	Quqi Zhang† (Engineering)	Tanner James Ballance (Agriculture)
11/19 @ 9:00-10:00am		
Poster #1114 presented	Daniel Felipe Zuniga Hurtado† (Universidad	Young-Jun Son (Engineering)
11/19 @ 9:00-10:00am	Nacional de Colombia)	
	Camilo Delgado Burbano‡ (Pontificia	
	Universidad Javeriana Bogotá)	

Presentation	Students	Mentors
Poster #1201 presented	Colby Ben Acton ⁺ (Engineering)	Qiang Qiu (Engineering)
11/19 @ 10:30-11:30am	Gaetano Antonio Iannotta ⁺ (Engineering)	Wei Zakharov (Libraries)
	Aditi Anand ⁺ (Engineering)	Zichen Miao (Engineering)
	Branton Ling‡ (Science)	
	Evan Alexander Zhang‡ (Engineering)	
	Gaurish Lakhanpal‡ (Science)	
	Michael Suo‡ (Engineering)	
	Apostolos Adam Cavounis‡ (Engineering)	
	Purav Matlia‡ (Science Graduate)	
	Rohini Pillai‡ (Science)	
	Ruhaan Batta‡ (Engineering)	
	Samarth Prashanth‡ (Engineering)	
	Shih-Yao Sun‡ (Engineering)	
Poster #1203 presented	Tina Atmani ⁺ (Agriculture Engineering)	Kari L Clase (Engineering)
11/19 @ 10:30-11:30am	Lana Malek ⁺ (Agriculture Engineering)	Ruba Ahmad Qwai Alajlouni (Agriculture)
	Xiuyu Shi ⁺ (Agriculture Engineering)	Amanda K Limiac (Engineering)
Poster #1204 presented	Olivia Eugenia Avalos Villar† (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 10:30-11:30am		
Poster #1206 presented	Alexis Lucille Ador Bernal ⁺	Kari L Clase (Engineering)
11/19 @ 10:30-11:30am	(Agriculture Engineering)	Julia Ann Simler (Agriculture)
	Manya Devang Kadiwala ⁺ (Agriculture)	Amanda K Limiac (Engineering)
Poster #1210 presented	Ryan L Bottini ⁺ (Engineering)	Nien-hwa L Wang (Engineering)
11/19 @ 10:30-11:30am	Manila Kunwar‡ (Engineering)	Clayton C Gentilcore (Engineering)
Poster #1211 presented	Pranav Boyapati ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 10:30-11:30am		
Poster #1213 presented	Bernardo Cabral Alves da Costa ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 10:30-11:30am		
Poster #1220 presented	Kevin Ming Chang ⁺ (Engineering)	James G Ogg (Science)
11/19 @ 10:30-11:30am	Aditya Krishnan Sivathanu ⁺ (Engineering)	Aaron C Ault (Engineering)
11,15 @ 10.00 11.000	Samyukta Balaji* (Engineering)	, aron e ran (Engineering)
Poster #1221 presented	Ojas Chaturvedi† (Science JMHC)	Yung-Hsiang Lu (Engineering)
11/19 @ 10:30-11:30am	Kayshav Bhardwaj† (Science)	Yeon Ji Yun (Liberal Arts)
11/15 @ 10.50 11.500	Vincent Wentao Zhao† (Science)	
	Max Yu Zhen Chen‡ (Science)	
	Luke Jaehyeon Choi* (Science) JMHC)	
	Parv Kumar* (Engineering)	
	Minh Le Vu* (Science)	
	Minh Binh Tran* (Science)	
	Tri Quang Vo* (Science)	
	Pranesh S Velmurugan* (Science)	
	Andrew J Achkar* (Engineering)	
	Bryan Christopher Yoo* (Science)	
Poster #1222 presented	Yi-Huan Chen† (Engineering)	Shreya Ghosh (Engineering)
11/19 @ 10:30-11:30am	Ching-Hsiang Huang ⁺ (Engineering)	Sineya Grosn (Engineering)
Poster #1223 presented	Daniel Choi† (Engineering)	Sooraj Chetput Venkataraghavan
11/19 @ 10:30-11:30am	Hassan Al-alawi ⁺ (Engineering)	(Engineering)
11,15 @ 10.50-11.50am	Hunter A Mccollough ⁺ (Engineering)	Mark Johnson (Engineering)
	Abhiram Saridena† (Engineering)	
	Viet Khoi Pham Khac† (Engineering)	
	Akhilesh Prasad†	
	Abhijay Achukola† (Engineering)	
	Kshitij Miraj Shah† (Engineering)	
	Phone Myat Paing ⁺ (Engineering)	
	Jerry Ronald Chen ⁺ (Engineering)	
	Justin Yasuumi ⁺ (Engineering)	
	Charles Spencer Bowles ⁺ (Engineering JMHC)	

Presentation	Students	Mentors
Poster #1224 presented	Easton Ludeman Clark ⁺ (Engineering)	Niall Patrick Moloney (Engineering)
11/19 @ 10:30-11:30am	Aidan P Pender† (Engineering)	
	Anshuman Samanta ⁺ (Engineering)	
Poster #1225 presented	William Rowan Cunningham ⁺ (Engineering)	Cole Aaron Nelson (Engineering)
11/19 @ 10:30-11:30am	Kathy Niu ⁺ (Engineering JMHC)	Mark Johnson (Engineering)
Poster #1228 presented	Bianca de Paula Macedo ⁺ (Universidade	Karthik Sankaranarayanan (Engineering)
11/19 @ 10:30-11:30am	Federal do Rio de Janeiro)	Olga Costa Alves Souza (Interdisciplinary &
		Special Programs)
Poster #1230 presented	Jacob Harlow Ehman ⁺ (Engineering)	Ali Bramson (Science)
11/19 @ 10:30-11:30am	Amanda Joan Holmes‡ (Science)	
Poster #1232 presented	Maximillian Francis Farrell ⁺ (DSB)	Matthew A Swabey (Engineering)
11/19 @ 10:30-11:30am	Arnav Naval ⁺ (Engineering)	Jaeeun Kim (Engineering)
	Matthew Alvarez Hackett ⁺ (Engineering)	
	Shreya Laxmi Nagendra† (Science)	
	Genna Nicole Yavaraski ⁺ (Science)	
	Jason Dumaual Lyst ⁺ (Engineering)	
	Tanek Malhotra ⁺ (Science)	
	Parth Kapila ⁺ (Polytechnic)	
	Aniruddh Srivastava ⁺ (Science)	
Poster #1234 presented	Ethan Phillip Foster ⁺ (Engineering)	Cortland Hannah Johns (Engineering)
11/19 @ 10:30-11:30am		Craig Goergen (Engineering)
Poster #1236 presented	Alaina Rose Gartner ⁺	Leonor Maria de Fatima Chagas Boavida
11/19 @ 10:30-11:30am	(Agriculture Engineering)	(Agriculture)
Poster #1237 presented	Aaditya Gaur ⁺ (Engineering)	Zijian He (Engineering)
11/19 @ 10:30-11:30am	Zay Linn Htet ⁺ (Engineering)	, · · · · · · · · · · · · · · · · · · ·
,	Christina Zhang ⁺ (Science JMHC)	
Poster #1238 presented	Angelica Sofia Gonzalez-Ng ⁺ (Engineering)	Madison Mckensi Howard (Engineering)
11/19 @ 10:30-11:30am	Maria Macias‡ (Engineering)	Luis Solorio (Engineering)
, .	Tatiana Zuluaga Vargas* (Universidad	
	Nacional de Colombia)	
Poster #1239 presented	Gabriel Goodwin ⁺ (Engineering JMHC)	David D Nolte (Science)
11/19 @ 10:30-11:30am		
Poster #1241 presented	Bobby Gu ⁺ (Engineering)	Shreya Ghosh (Engineering)
11/19 @ 10:30-11:30am	Alexander Jonathan Collins [†] (DSB)	
	Neal Noel Lobo ⁺ (Engineering)	
	Pratham Patil ⁺ (Engineering)	
	Dean Michael La Point ⁺ (DSB)	
	Jeet Brahmbhatt ⁺ (Engineering)	
Poster #1244 presented	Priyam Gupta ⁺ (Science JMHC)	Jenna L Wise DiVincenzo (Engineering)
11/19 @ 10:30-11:30am	······································	
Poster #1246 presented	Augustus George Hayes ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 10:30-11:30am	J	
Poster #1247 presented	Aditya S Hebbani ⁺ (Engineering)	Mark Johnson (Engineering)
11/19 @ 10:30-11:30am	Rauf Emre Erkiletlioglu‡ (Engineering)	Matthew A Swabey (Engineering)
,	Tei Okamoto* (Engineering)	
	Weijing Sebastian Chen* (Engineering)	
	Anika Bajpai* (Engineering)	
	Renzhi Yongtian* (Engineering)	
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Presentation	Students	Mentors
Presentation Poster #1249 presented 11/19 @ 10:30-11:30am	StudentsBrogan John-Michael Holt† (DSB JMHC)Jayee Goh† (Engineering)Kaylie Emerson Virkus† (Engineering)Shashank Varamballi† (Engineering)Patricia Ewa Leoniuk† (Engineering)Olivia Chen† (Engineering)Gowri Ravikumar Bajagur† (Engineering)Saanvi Mahesh† (Engineering)Marina Mercedes San Martin Rossano†(Engineering)Pradyumn Malik† (Engineering)Shrikar Hippargi† (Engineering)Isaac Yan Shek Cheng† (Engineering)Jijnasu Prakash Rout‡ (Engineering)Atandrila Chowdhury‡ (Engineering)Ashton Anthony Price‡ (DSB)Joseph Chelliah‡ (DSB)James Burrell Hewette‡ (Engineering)	Mentors John W Sheffield (Polytechnic)
Poster #1250 presented 11/19 @ 10:30-11:30am	Cho-Yi Hsieh† (Engineering) Ho Jun Lee† (Engineering) Cecilie Reingaard Wiuff† (Engineering) Aidan Iachini Broy† (Engineering) Jou-Ting Lai† (Engineering)	Peter Bermel (Engineering) Zhiyuan Wei Saeed Mohammadi (Engineering)
Poster #1252 presented 11/19 @ 10:30-11:30am	Ritwik Suresh Jayaraman† (Science) Aman Katyal† (Engineering) Azain Khalid† (Science) Chiraag Shashi Kumar† (Engineering)	Andres Felipe Hoyos Moreno (Engineering) Samuel Labi (Engineering)
Poster #1254 presented 11/19 @ 10:30-11:30am	Tanvir Kaur† (Engineering)	Riley Bradley Barta (Engineering) Kyle Allen Shepard (Engineering)
Poster #1257 presented	Junyoung Kim ⁺ (Engineering)	Samuel Labi (Engineering)
11/19 @ 10:30-11:30am Poster #1259 presented 11/19 @ 10:30-11:30am	Christian A Choi ⁺ (Engineering) Alexander Kmetko ⁺ (Engineering) Jonah P Lovitz ⁺ (Engineering) Joseph John Forster ⁺ (Engineering) Chase Nicholas Hamdan ⁺ (Engineering)	Andres Felipe Hoyos Moreno (Engineering) James Michael Goppert (Engineering)
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 #1262 presented 11/19 @ 10:30-11:30am	Gabrielle Elizabeth Layman ⁺ (Engineering JMHC) Shlok Rajesh Kulkarni ⁺ (Engineering JMHC) Zachary Traina ⁺ (HHS)	Jeffrey M Haddad (HHS)
Poster #1264 presented 11/19 @ 10:30-11:30am	Elliana Rose Lemberis [†] (Agriculture Engineering) Nadia Helen Whalen [†] (Agriculture Engineering)	Somali Chaterji (Engineering)
Poster #1267 presented 11/19 @ 10:30-11:30am	Nachiket Magesh ⁺ (Engineering JMHC)	Qi Dong (Science) Abhirup Sen (Science)
Poster #1268 presented 11/19 @ 10:30-11:30am	Kayla Elizabeth Manley† (Engineering) Tanvir Kaur* (Engineering) Nishtha Singh* (Engineering) Madison Paige Ward* (Engineering)	Riley Bradley Barta (Engineering) Kyle Allen Shepard (Engineering) Ganesh Brammanayagam venkatesan (Engineering)

Presentation	Students	Mentors
Poster #1270 presented	Ivan Mateo Meneses Rivera ⁺ (Universidad	Aishwarya Vijayan Menon (Engineering)
11/19 @ 10:30-11:30am	Nacional de Colombia)	Julie C Liu (Engineering)
Poster #1273 presented	Thomas Munson ⁺ (Engineering JMHC)	Timothy Francis Hein (Engineering)
11/19 @ 10:30-11:30am	Maxwell Christopher Sprague ⁺ (Engineering)	
	Nathan Alexander Kilmer ⁺	
	(Engineering JMHC)	
	Alec Chong Peng ⁺ (Engineering)	
Poster #1277 presented	Rafael Obici de Oliveira ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 10:30-11:30am		
Poster #1278 presented	Mia Cynthia Pfeiffer†	Kari L Clase (Engineering)
11/19 @ 10:30-11:30am	(Agriculture Engineering JMHC)	Julia Ann Simler (Agriculture)
	Anne Flynn Campbell ⁺	Amanda K Limiac (Engineering)
	(Agriculture Engineering)	
	Collin Jayson Kao‡ (Agriculture Engineering)	
Poster #1280 presented	Katherine Alfreda Poirier [†]	Kari L Clase (Engineering)
11/19 @ 10:30-11:30am	(Agriculture Engineering JMHC)	Somali Chaterji (Engineering)
	Lauren Elizabeth Bhat ⁺	Julia Ann Simler (Agriculture)
	(Agriculture Engineering)	Amanda K Limiac (Engineering)
	Lauren Marie Schinker‡	
	(Agriculture Engineering JMHC)	
Poster #1281 presented	Aakarsh Nagendra Rai ⁺ (Science)	Edward J Delp (Engineering)
11/19 @ 10:30-11:30am	Donald Alexander Weintz ⁺ (Engineering)	Carla Zoltowski (Engineering)
	Jianing Wang [†] (Science)	
	Aditya Mallepalli ⁺ (Science)	
	Preetham Reddy Yerragudi ⁺ (Science)	
Poster #1285 presented	Atharva S Rao ⁺ (Engineering)	Om P Kotwal (Engineering)
11/19 @ 10:30-11:30am	Moeyad OmerAbdalla Omer ⁺ (Engineering)	Vishnu Chaithanya Lagudu (Engineering)
, 2	Avanish Karlapudi ⁺ (Engineering)	Isaac P Hagedorn (Engineering)
	Dogyu Ryu† (Engineering)	
Poster #1287 presented	Partha Rathi ⁺ (Engineering)	Kevin T Lee (Engineering)
11/19 @ 10:30-11:30am	Dat Hien Tieu ⁺ (Engineering)	
	Jason Zhengxuan Huang ⁺ (Engineering)	
	Cassandra Lobo Gonzalez ⁺ (Engineering)	
	Kai Ye† (Engineering)	
Poster #1290 presented	Adam Jair Selby ⁺ (Engineering JMHC)	Junfei Li (Engineering)
11/19 @ 10:30-11:30am		
Poster #1291 presented	Ranav Sethi ⁺ (Science)	Yeon Ji Yun (Liberal Arts)
11/19 @ 10:30-11:30am	Robert M Rattray ⁺ (Engineering)	Yung-Hsiang Lu (Engineering)
	Rohit Kannan ⁺ (Science JMHC)	
	Ping-Hung Nick Ko ⁺ (Engineering)	
Poster #1293 presented	Aarav Singh ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 10:30-11:30am		
Poster #1296 presented	Sara Thomason ⁺ (Agriculture JMHC)	Kari L Clase (Engineering)
11/19 @ 10:30-11:30am	Zhiyuan Chen† (Agriculture Engineering)	Julia Ann Simler (Agriculture)
-		Amanda K Limiac (Engineering)
Poster #1297 presented	Gaurav Vermani ⁺ (Engineering)	Aravind Machiry (Engineering)
-	Ryan Alexander Kubinski† (Engineering)	Shashank Sharma (Engineering)
11/19 @ 10:30-11:30am	,	
11/19 @ 10:30-11:30am		Avushi Sharma (Engineering)
	Jingyu Xiao† (Engineeing IMHC)	Ayushi Sharma (Engineering) Jinha Jung (Engineering)
Poster #1298 presented 11/19 @ 10:30-11:30am	Jingyu Xiao† (Engineeing JMHC) Jessica Serena Jiayue Li‡ (Engineering JMHC)	Ayushi Sharma (Engineering) Jinha Jung (Engineering) Fatemeh Azimi (Interdisciplinary & Special

Presentation	Students	Mentors
Poster #1299 presented	Jeslyn Cheng Yang ⁺ (Science)	Soudabeh Taghian Dinani (Engineering)
11/19 @ 10:30-11:30am	Brian Ross Ramos ⁺ (Polytechnic)	Carla Zoltowski (Engineering)
	Angela Qian† (Science)	Zheyuan Zhang (Engineering)
	Jacob Ray Morales ⁺ (Engineering)	Edward J Delp (Engineering)
	Ramsey Daniel ⁺ (Engineering)	
	Alessandra Rice ⁺ (Engineering)	
Poster #1300 presented	Ryan Zhe-Wei Yang ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 10:30-11:30am		
Poster #1305 presented	Owen Hodges ⁺ (Engineering)	Joseph Speight (United States Military
11/19 @ 10:30-11:30am	Keiko Yamamoto*	Academy West Point)
Poster #1307 presented	Caroline Marie Cameron ⁺ (Engineering)	Shubhra Bansal (Engineering)
11/19 @ 10:30-11:30am		Jakob Isaiah Ramos (Engineering)
Poster #1308 presented	Ethan Christian Christie ⁺ (Engineering)	Shubhra Bansal (Engineering)
11/19 @ 10:30-11:30am		Huilong Liu (Engineering)
,		Bijay Chhetri (Engineering)
Poster #1309 presented	Luke Joseph Fortner ⁺ (Engineering)	Muhammad A Alam (Engineering)
11/19 @ 10:30-11:30am		Md Asaduz Zaman Mamun (Engineering)
Poster #1310 presented	Siddharth Gaur ⁺ (Engineering)	Saeed Mohammadi (Engineering)
11/19 @ 10:30-11:30am	Franco Harding Garcia ⁺ (Engineering)	
Poster #1311 presented	Parker Joseph Jeffrey ⁺ (Engineering)	Shubhra Bansal (Engineering)
11/19 @ 10:30-11:30am	ranker joseph jenney (Engineering)	Faharia Hasan Bhuiyan (Engineering)
11/15 @ 10.50-11.50am		Haohan Guo (Engineering)
Poster #1312 presented	Alexander Hanson Lam ⁺ (Engineering)	Ketankumar Jayantkuma Yogi (Engineering)
11/19 @ 10:30-11:30am	Alexander Hanson Lant' (Engineering)	Ketankumai Jayantkuma Yogi (Engineering)
	Lie Jun Leet (Engineering)	Lipitang Li (Engineering)
Poster #1313 presented	Ho Jun Lee ⁺ (Engineering)	Haitong Li (Engineering)
11/19 @ 10:30-11:30am	Geetika Chitturi [†] (Engineering JMHC)	Jun Cai (Engineering)
Poster #1314 presented	Colton Pierce Lennen ⁺ (Engineering)	Lijia Xie (Engineering)
11/19 @ 10:30-11:30am	Caleb Michael Braziel* (Engineering)	John E Blendell (Engineering)
Poster #1315 presented	lan Quan† (Engineering)	Tiwei Wei (Engineering)
11/19 @ 10:30-11:30am		Ketankumar Jayantkuma Yogi (Engineering)
Poster #1316 presented	Ethan Xinghan Tan ⁺ (Engineering JMHC)	Saeed Mohammadi (Engineering)
11/19 @ 10:30-11:30am		
Poster #1317 presented	Mark Joseph Tereck ⁺ (Engineering)	Shubhra Bansal (Engineering)
11/19 @ 10:30-11:30am		Bijay Chhetri (Engineering)
Poster #1404 presented	Yash Rajendra Ashtekar† (Engineering)	Pengyi Shi (DSB)
11/19 @ 12:00-1:00pm	Utkarsh Bali ⁺ (Science Graduate)	
Poster #1406 presented	Ekam Bhullar† (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 12:00-1:00pm		
Poster #1410 presented	Joshua Decker Buss ⁺ (Engineering JMHC)	Tiwei Wei (Engineering)
11/19 @ 12:00-1:00pm	Grant Joseph Miller* (Engineering JMHC)	
Poster #1414 presented	Aniket Chatterjee ⁺ (Engineering JMHC)	Mark Johnson (Engineering)
11/19 @ 12:00-1:00pm		Cole Aaron Nelson (Engineering)
Poster #1416 presented	Arunima Chowdhury ⁺ (Science)	Renee Murray (Liberal Arts)
11/19 @ 12:00-1:00pm	Marisa Jean Fredrickson ⁺ (Engineering)	Frederick C Berry (Polytechnic)
	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)	

Presentation	Students	Mentors
Poster #1419 presented	Felipe da Paixao† (DSB)	Shreya Ghosh (Engineering)
11/19 @ 12:00-1:00pm		
Poster #1420 presented	Aryan Daga ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 12:00-1:00pm		
Poster #1421 presented	Leo Deng ⁺ (Science)	James C Davis (Engineering)
11/19 @ 12:00-1:00pm	Chien Chou Ho† (Engineering)	Huiyun Peng (Engineering)
	Rishi Mantri ⁺ (Engineering)	
	Arjun Sandeep Gupte ⁺ (Engineering)	
Poster #1423 presented	Abigail J Dressman ⁺ (Engineering)	Sunghee Park (Engineering)
11/19 @ 12:00-1:00pm		
Poster #1424 presented	Prakhar Drolia ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 12:00-1:00pm		
Poster #1429 presented	Raul Hector Fuentes Hernandez ⁺	Eduardo Barocio Vaca (Engineering)
11/19 @ 12:00-1:00pm	Ivan Gregorio Vega Campas ⁺	Jalil Francisco Francisco Chavez Galaviz
		(Engineering)
Poster #1432 presented	Justin Zijie Gan ⁺ (Engineering)	Andres Felipe Hoyos Moreno (Engineering)
11/19 @ 12:00-1:00pm	Sahithi Gokavarapu† (Science)	Samuel Labi (Engineering)
	Pranati Patchigolla ⁺ (Science)	Richard Osita Ajagu (Engineering)
Poster #1434 presented	Kush Gogia† (Engineering)	James C Davis (Engineering)
11/19 @ 12:00-1:00pm	Christopher Michael Sigmund ⁺ (Engineering)	
	Ilhoon Lee† (Science)	
Poster #1435 presented	Saloni Gupte ⁺ (Science)	Hayagreev Vadhiraj Sarma Keri (Engineering)
11/19 @ 12:00-1:00pm		Scott R Pluta (Science)
Poster #1437 presented	Bennett Michael Hanan ⁺ (Engineering)	Brittany A Newell (Polytechnic)
11/19 @ 12:00-1:00pm	Margulan Mukhametkarim ⁺ (Engineering)	Richard M Voyles (Polytechnic)
	Benjamin Harris Ciliberto ⁺ (Engineering)	Samuel Labi (Engineering)
	Ridge McCain Blankenship ⁺ (Engineering)	
	Alexander T Valdes [‡] (Engineering)	
	Nicholas Keir Wade‡ (Science)	
	Andrew Joseph Shelley‡ (Polytechnic)	
	Alexander Kmetko‡ (Engineering)	
	Liam M Mccormack‡ (Polytechnic)	
Poster #1439 presented	Nolan Lee Hardman ⁺ (Engineering)	Afshin Izadian (Polytechnic)
11/19 @ 12:00-1:00pm	Jacob Henry Rikkola ⁺ (Engineering)	Christine Taylor (Polytechnic)
	Adrienne Dale Torres Balahadia ⁺ (Engineering)	Arvind Krishna Radhakrishnan (Engineering)
	Bader Emad Abu-Shanab ⁺ (Engineering) Zilan Patel ⁺ (Engineering)	
	James M Scanlan ⁺ (Engineering)	
	Aaditi Anupam Vaval† (Engineering)	
Poster #1447 presented	Azain Khalid† (Science)	Robin Carpenter (Science)
11/19 @ 12:00-1:00pm	Jack Harrison Reynolds ⁺ (Science)	Andy Jung (Science)
11/19 @ 12.00-1.00pm	Kushal Venkata Peddakotla† (Engineering)	Andy Julig (Science)
	Aiden M Hudson† (Science)	
	Bailey Marie Jones ⁺ (Engineering)	
Poster #1448 presented	Devansh Khandelwal ⁺ (Science)	Edward J Delp (Engineering)
11/19 @ 12:00-1:00pm	Dinh Huy Tuan Nhu ⁺ (Science)	Carla Zoltowski (Engineering)
	Arnav Daryani† (Science)	Carra Forto More (Filblineering)
	Jeffrey Jingwei Wu ⁺ (Science)	
Poster #1449 presented	Seeun Kim ⁺ (Engineering)	Dali Lai (Engineering)
11/19 @ 12:00-1:00pm	(=0,0)	()
Poster #1454 presented	William Lee ⁺ (Engineering)	Junfei Li (Engineering)
11/19 @ 12:00-1:00pm	('0'' · · · 0'	- (00)
Poster #1455 presented	Laurian Kate Lien ⁺ (Agriculture Engineering)	Kurt Ristroph (Engineering)
11/19 @ 12:00-1:00pm	(Lucas Johnson (Agriculture)
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Presentation	Students	Mentors
Poster #1457 presented	Emily Loiselle ⁺ (Engineering JMHC)	Edward J Delp (Engineering)
11/19 @ 12:00-1:00pm	Joseph Huang ⁺ (Engineering)	Carla Zoltowski (Engineering)
	Nandini Mukul Pande† (Science)	Fengqing Zhu (Engineering)
	Rahul Sasi Menon ⁺ (Science Graduate)	
	Chaeeun Kim† (Engineering)	
Poster #1459 presented	Adam Timothy Mack ⁺ (Engineering)	Muhammad A Alam (Engineering)
11/19 @ 12:00-1:00pm		
Poster #1460 presented	Elias Malak ⁺ (Engineering)	Ken Yoshida (Engineering)
11/19 @ 12:00-1:00pm	Taran Reddy Kamireddy ⁺ (Engineering)	Steve Higbee (Engineering)
	Nicholas John Albrecht [‡] (Engineering)	
	Nadia Bailen Boluda‡ (Engineering)	
	Samarth Bhat‡ (Engineering)	
	Cooper Lee Cotton‡ (Engineering)	
	Lara Nour Courgi‡ (Engineering)	
	Luke Davis‡ (Engineering)	
	Tamara Shakri Houran‡ (Engineering)	
	Pratika Kumar‡ (Engineering)	
	Jakob Eric Mikolajczyk‡ (Engineering)	
	Gema Roselyn Parra‡ (Engineering)	
Poster #1462 presented	Hannah Jordan Margulis ⁺ (Engineering JMHC)	Frederick Prete (Lake Forest College)
11/19 @ 12:00-1:00pm		
Poster #1466 presented	Rafael Monteiro Martins Pinheiro ⁺ (Science)	Mark Johnson (Engineering)
11/19 @ 12:00-1:00pm	Miguel Isrrael Teran ⁺ (Engineering)	Timothy Francis Hein (Engineering)
Poster #1467 presented	Ishita Mukadam ⁺ (Engineering)	Mrudula Mukadam (Maharishi International
11/19 @ 12:00-1:00pm		University)
Poster #1469 presented	Tovia Grace Owens ⁺ (Agriculture Engineering)	Rose Prabin Kingsly Ambrose (Engineering)
11/19 @ 12:00-1:00pm		
Poster #1472 presented	Kiersten Mackenzie Penquite ⁺	Lisa B Bosman (Polytechnic)
11/19 @ 12:00-1:00pm	(Engineering JMHC)	
Poster #1477 presented	Sudarmadhi Rabindran ⁺ (Engineering)	Alexey Shashurin (Purdue University)
11/19 @ 12:00-1:00pm		Steven M Pugia (Engineering)
		Keegan Franics Chavez (Engineering)
Poster #1480 presented	Sarah Schloff ⁺ (Engineering)	Dianne Little (Vet Med)
11/19 @ 12:00-1:00pm		Paula A Sarmiento Huertas (Engineering)
Poster #1481 presented	Sophia Isabella Schroer ⁺ (Engineering JMHC)	Tiwei Wei (Engineering)
11/19 @ 12:00-1:00pm		
Poster #1486 presented	Sarah Michelle Sewell ⁺ (Engineering)	David Michael Barbarash (Agriculture)
11/19 @ 12:00-1:00pm	Leo Chen† (Engineering)	
	Sun Hong H Park ⁺ (Polytechnic)	
	Ata Ulas Guler ⁺ (Engineering)	
	Rachel Wingyan Ho ⁺ (Engineering)	
Poster #1487 presented	Samantha Marcelle Sima ⁺ (Engineering)	Joshua Michael Cox (Engineering)
11/19 @ 12:00-1:00pm		Riley Bradley Barta (Engineering)
Poster #1488 presented	Tamir Sklansky ⁺ (Engineering)	Niall Patrick Moloney (Engineering)
11/19 @ 12:00-1:00pm	Timber Michael Bionda ⁺ (Engineering)	
	Elijah Temesgen Ponds ⁺ (Engineering)	
	Ron Cheng Xuan Chay ⁺ (Engineering)	
	Robert Henry Walch ⁺ (Engineering)	
Poster #1494 presented	Robert Patterson Stewart ⁺ (Engineering)	Eduardo Barocio Vaca (Engineering)
11/19 @ 12:00-1:00pm	Isaiah Maningas ⁺ (Engineering)	
	Jason Jaesung Lew ⁺ (Engineering JMHC)	

Presentation	Students	Mentors
Poster #1497 presented	Benjamin Thomas Sykes ⁺ (Engineering)	Samuel Labi (Engineering)
11/19 @ 12:00-1:00pm	Rohin Rajesh Nair† (Engineering)	Sashank Modali (Engineering)
	Emily Song ⁺ (Engineering)	Richard Osita Ajagu (Engineering)
	Aroldo Fernando Lugo Quintanilla ⁺	
	(Engineering)	
	Alexander Popescu ⁺ (Engineering)	
	Shreya Shrikrushna Pulujkar† (Engineering)	
Poster #1498 presented	Tatiana Varela ⁺ (Engineering)	Tyler N Tallman (Engineering)
11/19 @ 12:00-1:00pm	Pranav Singh ⁺ (Engineering JMHC)	
	Ananya Prasad ⁺ (Engineering JMHC)	
	Lainie Jane Rapp ⁺ (Engineering)	
	Colby Strohl ⁺ (Engineering)	
	Bella Irma Schaetzle ⁺ (Engineering)	
	Clara Marie Anne Goffioul ⁺ (Engineering)	
	Simran Nadig ⁺ (Engineering JMHC)	
	Praneel Madhuvanesh‡ (Engineering)	
	Nathanael Adrian Lorincz‡ (Engineering)	
Poster #1502 presented	Yun-Jen Wu ⁺ (Engineering)	Saeed Mohammadi (Engineering)
11/19 @ 12:00-1:00pm	Isabel Alejandra Arias Zambrano†	Peter Bermel (Engineering)
	(Engineering)	Tiwei Wei (Engineering)
	Jenna Marie Marquette ⁺ (Engineering)	Rahim Rahimi (Engineering)
	Jack Valenti ⁺ (Engineering)	
	Henry Qin ⁺ (Engineering)	
Poster #1503 presented	Yilin Xu ⁺ (Engineering)	Johnathan Hong (Engineering)
11/19 @ 12:00-1:00pm	Eshan Mathur ⁺ (Engineering)	Cole Aaron Nelson (Engineering)
, с і	Atharva Umesh Bhide ⁺ (Engineering)	
	Armaan Kanchan ⁺ (Engineering)	
Poster #1506 presented	Brendan Duffy ⁺ (Engineering JMHC)	Sean Yenyu Lai (Engineering)
11/19 @ 12:00-1:00pm	Hannah Y Chun* (Engineering)	Ganesh Subbarayan (Engineering)
, , ,	Rongkai Yu* (Engineering)	, , , , , , , , , , , , , , , , , , , ,
Poster #1507 presented	Jack Rearden Ferlazzo ⁺ (Engineering JMHC)	Xianfan Xu (Engineering)
11/19 @ 12:00-1:00pm		Ishat Raihan Jamil (Engineering)
Poster #1508 presented	Nolan Parker Gronowski [†] (Engineering)	Ritwik Vijaykumar Kulkarni (Engineering)
11/19 @ 12:00-1:00pm		Amy M Marconnet (Engineering)
Poster #1509 presented	Remley Grace Hooker ⁺ (Engineering)	Peide Ye (Engineering)
11/19 @ 12:00-1:00pm		
Poster #1510 presented	Robert Scott Richards ⁺ (Engineering)	Liang Pan (Engineering)
11/19 @ 12:00-1:00pm		
Poster #1511 presented	Jonathan Samuel Ryan ⁺ (Engineering)	Justin Weibel (Engineering)
11/19 @ 12:00-1:00pm		
Poster #1512 presented	Allison Nobuko Scher ⁺ (Engineering)	Haiyan Wang (Engineering)
11/19 @ 12:00-1:00pm		Benson Qun Tsai (Engineering)
		Jialong Huang (Engineering)
Poster #1513 presented	Lindsay Kathryn Sutherland ⁺	Amy M Marconnet (Engineering)
11/19 @ 12:00-1:00pm	(Engineering JMHC)	Shanmukhi Sripada (Engineering)
Poster #1514 presented	Bradon Rowan Timms ⁺ (Engineering JMHC)	Thomas Edwin Beechem (Engineering)
11/19 @ 12:00-1:00pm		Walter J Smith (Engineering)
Poster #1515 presented	Kyle J Wiegand ⁺ (Engineering)	Shubhra Bansal (Engineering)
11/19 @ 12:00-1:00pm		
Poster #1516 presented	Noah James Willis ⁺ (Engineering)	Amy M Marconnet (Engineering)
11/19 @ 12:00-1:00pm		Luz Sotelo (Engineering)
Poster #1601 presented	Ishaan Krishna Agrawal ⁺ (Engineering)	James Garrison (Engineering)
11/19 @ 1:30-2:30pm	Aaron David Slamovich ⁺ (Engineering)	Jordan Joseph Alexander (Engineering)
	, , , , , , , , , , , , , , , , , , , ,	
	Elle S Case ⁺ (Engineering)	

Presentation	Students	Mentors
Poster #1605 presented	Amartya Bagchi ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 1:30-2:30pm		
Poster #1609 presented	Leyton Drew Bostre ⁺ (Engineering)	James G Ogg (Science)
11/19 @ 1:30-2:30pm	Michael Robert Knaack ⁺ (Engineering)	Aaron C Ault (Engineering)
	Samyukta Balaji† (Engineering)	
	Aditya Krishnan Sivathanu‡ (Engineering)	
	Kevin Ming Chang [‡] (Engineering)	
Poster #1612 presented	Siddarth Balaji Calidas ⁺ (Engineering)	Vishnu Chaithanya Lagudu (Engineering)
11/19 @ 1:30-2:30pm		Isaac P Hagedorn (Engineering)
		Mark Johnson (Engineering)
Poster #1616 presented	Harnoor Cheema ⁺ (Engineering)	Mark Johnson (Engineering)
11/19 @ 1:30-2:30pm	Jacob Chappell‡	Timothy Francis Hein (Engineering)
Poster #1620 presented	Ashton Isaiah Cotton ⁺ (Engineering JMHC)	Taimoor Hasan Qazi (Engineering)
11/19 @ 1:30-2:30pm		
Poster #1623 presented	Sarah Z Deniz ⁺ (Engineering)	Kendrick Clay Hardaway (Engineering)
11/19 @ 1:30-2:30pm		
Poster #1624 presented	Aryaman Dewan† (Science)	Uma K Aryal (Vet Med)
11/19 @ 1:30-2:30pm	Malyka Ram ⁺ (Agriculture Engineering)	
	Priyanshu Datta Roy†	
	(Agriculture Engineering JMHC)	
	Rishabh Kottakota* (Science)	
Poster #1625 presented	Harman Kaur Dhillon† (Engineering)	James Michael Goppert (Engineering)
11/19 @ 1:30-2:30pm	Madison Taylor Beaudry ⁺ (Liberal Arts)	
	Collin Hoffman ⁺ (Engineering JMHC)	
	Rohan Suraj Desai† (Engineering)	
	Aditya Sarwaikar‡ (Engineering)	
	Alexander David Perry‡ (Engineering)	
	Aryana Isabelle Deshpande‡ (Engineering)	
	Christopher David Butler [‡] (Engineering)	
	Tryston Frederick Espiritu [‡] (Engineering)	
	Junhee Lim‡ (Science)	
	Weijing Sebastian Chen [‡] (Engineering)	
	Logan Paul Hussein‡ (Engineering)	
Poster #1628 presented	Vatsal Sanjeevkumar Dudhaiya ⁺ (Engineering)	Marco Hadisurya (Agriculture)
11/19 @ 1:30-2:30pm	Tingyu Yin† (Science)	
Poster #1631 presented	Natalia Brynn Gaffney ⁺ (Agriculture)	Kari L Clase (Engineering)
11/19 @ 1:30-2:30pm	Leilani Grace Agngarayngay ⁺	Julia Ann Simler (Agriculture)
	(Agriculture Engineering)	Amanda K Limiac (Engineering)
	Alexis Lucille Ador Bernal‡	
	(Agriculture Engineering)	
Poster #1633 presented	Mahineer Ghosh ⁺ (Engineering)	Jesus Adrian Meza Galvan (Engineering)
11/19 @ 1:30-2:30pm	Varun Rajesh ⁺ (Engineering)	Steven M Pugia (Engineering)
	Makeda Teshome Duey ⁺ (Engineering)	Anthony G Cofer (Engineering)
	Ansh Alpesh Kothari ⁺ (Engineering JMHC)	Alina Alexeenko (Engineering)
Poster #1634 presented	Sarah Elizabeth Grev ⁺ (Engineering)	Craig Goergen (Engineering)
11/19 @ 1:30-2:30pm	Samantha Stebbings* (Engineering JMHC)	Elnaz Ghajar-Rahimi (Engineering)
	Jake Anthony Castro* (Engineering)	
	Nadia Hayes Wheeler* (Engineering)	
Poster #1635 presented	Aakrit Gupta ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 1:30-2:30pm		
Poster #1639 presented	Julia Hopper† (Science JMHC)	Aparajita Jaiswal (Purdue University)
11/19 @ 1:30-2:30pm	Jack Rearden Ferlazzo† (Engineering JMHC)	
	Ashley Jo Schafer ⁺ (DSB JMHC)	
	Vidya Reddy Madana‡ (Science)	
Poster #1643 presented	Rishi Krishnan Iyer ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 1:30-2:30pm		

Presentation	Students	Mentors
Poster #1645 presented	Arnav Juneja† (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 1:30-2:30pm		
Poster #1650 presented	Sreesha Vedavalli Kidambi†	Kari L Clase (Engineering)
11/19 @ 1:30-2:30pm	(Agriculture Engineering)	Ruba Ahmad Qwai Alajlouni (Agriculture)
	Jamie Youngjin Cho†	
	(Agriculture Engineering)	
	Jason England Thiagarajan ⁺	
	(Agriculture Engineering)	
Poster #1651 presented	Seeun Kim† (Engineering)	Minh Nam hoang Nguyen (Engineering)
11/19 @ 1:30-2:30pm		Junfei Li (Engineering)
Poster #1652 presented	Erik Kocinare† (Engineering)	Archana Dharanipragada (Engineering)
11/19 @ 1:30-2:30pm	Thomas Allen Greer ⁺ (Engineering)	
Poster #1654 presented	Andrew James Larkins ⁺ (Engineering)	Burkay Sahin (Engineering)
11/19 @ 1:30-2:30pm	Connor Ethan Behrend ⁺ (Engineering JMHC)	Jingbo Wang (Engineering)
	Michael Lee ⁺ (Engineering)	Mark Johnson (Engineering)
Poster #1656 presented	Kyung Jun Lee† (Engineering)	Peter Bermel (Engineering)
11/19 @ 1:30-2:30pm	Chun-Kang Huang ⁺ (Engineering)	Mukerrem Cakmak (Engineering)
	Daeun Kim† (Engineering)	Saeed Mohammadi (Engineering)
	Tzu-Yun Liu† (Engineering)	
Poster #1658 presented	Leo Pearson Malachowski†	Jason Ware (JMHC)
11/19 @ 1:30-2:30pm	(Engineering JMHC)	
	Bridget Katherine Heindl ⁺ (Liberal Arts JMHC)	
	Ayden Timothy Fahey [‡] (Science JMHC)	
	Jennifer Lilian Yang‡ (Engineering JMHC)	
Poster #1662 presented	Anika Mathur† (Science)	Brett A Meyers (Centers & Institutes)
11/19 @ 1:30-2:30pm	Jiwon Seo† (Science)	Pavlos Vlachos (Engineering)
	Samskrithi Sivakumar ⁺ (Science)	Lauren Ann Metskas (Science)
	Charles Chen† (Science)	
	Sein Kim† (Science)	
Poster #1667 presented	Piotr Stanislaw Nabrzyski ⁺ (Engineering)	Edward J Delp (Engineering)
11/19 @ 1:30-2:30pm	Keegan Brenner Harris ⁺ (Science)	
	Shlok Ashish Sheth ⁺ (Science)	
	Joonyeoup Kim† (Engineering)	
	William Benjamin Tao† (Engineering)	
Poster #1668 presented	Niharika Narra ⁺ (Engineering JMHC)	Cortland Hannah Johns (Engineering)
11/19 @ 1:30-2:30pm		
Poster #1672 presented	Jonathan Aimison Oppenheimer ⁺ (Science)	Yeon Ji Yun (Liberal Arts)
11/19 @ 1:30-2:30pm	Henry Hengyi Tsay ⁺ (Science)	Yung-Hsiang Lu (Engineering)
	Lucas Tan ⁺ (Science)	
	Thanmaya Pattanashetty ⁺ (Science)	
	Shiva Sai Vummaji‡ (Science)	
	Tim Nadolsky‡ (Science)	
	Chiho Song‡ (Science)	
	Liam Matthew Stonestreet [‡] (Science)	
	Haichang Li‡ (Polytechnic)	Community (Dalata dania)
Poster #1675 presented	Paul Kyu-Hwan Park† (Polytechnic)	Garam Kim (Polytechnic)
11/19 @ 1:30-2:30pm	Caden Cole Cowles [‡] (Polytechnic)	Jacob Robert Montrose (Polytechnic)
Destas #4677		Eduardo Barocio Vaca (Engineering)
Poster #1677 presented	Vishwajit Laxmanrao Patil ⁺ (Engineering)	Carla B Rosell (Liberal Arts)
11/19 @ 1:30-2:30pm		Armen I Cin (Dural III)
Poster #1686 presented	Emily Joy Reeves ⁺ (Agriculture)	Aaron J Gin (Purdue University)
11/19 @ 1:30-2:30pm	Ally Morgan Wigand ⁺	
	(Agriculture Engineering)	

Presentation	Students	Mentors
Poster #1687 presented 11/19 @ 1:30-2:30pm	Alexander Repikov ⁺ (Engineering JMHC) Robert Yida Zhang ⁺ (Engineering JMHC) Nathan Nanchuen Yu ⁺ (Engineering) Moe Wai Yan Myint ⁺ (Engineering) Fatma Mohamed Ahmed Youssef Alagroudy ⁺ (Engineering) Yara Ahmed Mohamed Abbas ⁺ (Engineering)	Timothy Francis Hein (Engineering) Mark Johnson (Engineering)
Poster #1690 presented	Khoi Anh Nguyen† (Engineering) Aishani Sakalabhaktula† (Engineering)	Lisa B Bosman (Polytechnic)
11/19 @ 1:30-2:30pm	Alsham Sakalabhaktula (Engineering)	
Poster #1691 presented	Justin Sanchez ⁺ (Engineering)	Om P Kotwal (Engineering)
11/19 @ 1:30-2:30pm	Duc Pham Minh ⁺ (Engineering) Jain Iftesam ⁺ (Engineering) Saandiya KPS Mohan ⁺ (Engineering)	Cole Aaron Nelson (Engineering)
Poster #1692 presented	Sarah Sawhney ⁺ (Engineering)	Shreya Ghosh (Engineering)
11/19 @ 1:30-2:30pm	Ian Tseng ⁺ (Engineering) Chien Chou Ho ⁺ (Engineering) Jiali Shi ⁺ (Science) Taehoon Kim ⁺ (Engineering) Yi-Huan Chen ⁺ (Engineering) Ching-Hsiang Huang [‡] (Engineering)	
Poster #1693 presented	Christian Paul Hardy Scott ⁺	Babak Anasori (Engineering)
11/19 @ 1:30-2:30pm	(Engineering JMHC)	Anupma Thakur (Engineering) Nithin Chandran Balachandran Sajitha (Engineering)
Poster #1694 presented	Amirali Sharifi Olounabadi† (Science)	Santosh Bhandari (Science)
11/19 @ 1:30-2:30pm	Alaqmar Adnan Bohori† (Engineering) Sagnik Ballabh† (Science) Tiancheng Zhang† (Science)	Andy Jung (Science)
Poster #1695 presented	Ahmed Wael Shebl ⁺ (Engineering)	Fengqing Zhu (Engineering)
11/19 @ 1:30-2:30pm	Zeyad Ayman El Afify† (Engineering) Abdelrahman Hamdy Ghania† (Engineering)	Carla Zoltowski (Engineering) Edward J Delp (Engineering) Soudabeh Taghian Dinani (Engineering)
Poster #1696 presented	John Henry Slater ⁺ (Science JMHC)	James Michael Goppert (Engineering)
11/19 @ 1:30-2:30pm	Braden Thomas Callaway* (Engineering) Natalia Zagata* (Engineering) Blake Edward Neely* (Engineering) Alexander Paul Kaufmann* (Engineering)	Worawis Sribunma (Engineering) Chase Ja-ok Loeb (Engineering)
Poster #1697 presented 11/19 @ 1:30-2:30pm	Brody Everett Snyder ⁺ (Science JMHC) Elizabeth Reeves Cagle ⁺ (Engineering JMHC) Yi Li ⁺ (Engineering JMHC) Padmaja Sachin Khairnar ⁺ (Engineering JMHC) Pranav Perumal ⁺ (Science) Kevin Nathan Qu ⁺ (Science JMHC)	Robert Jose Ccorahua santo (Engineering) Wenzhuo Wu (Engineering)
Poster #1698 presented 11/19 @ 1:30-2:30pm	Lautaro Franco Soler+ (Engineering)	Krishna Jayant (Engineering) Saumitra Yadav (Engineering) Austin Dennis Cronin (Engineering)
Poster #1701 presented 11/19 @ 1:30-2:30pm	Nick Taha† (Engineering) Rishikesh Reddy Bathina† (Engineering) Pierce Yungjoon Johnson† (Engineering) Argha Badhon Saha† (Engineering)	Austin Dennis Cronin (Engineering) Anand Raghunathan (Engineering) Mark Johnson (Engineering)
Poster #1705 presented 11/19 @ 1:30-2:30pm	Andres Uzcategui ⁺ (Engineering)	Krishna Jayant (Engineering)

Presentation	Students	Mentors
Poster #1706 presented	Pranav Wadhwa† (Engineering)	Mark Johnson (Engineering)
11/19 @ 1:30-2:30pm	Kevin Luke Phlips ⁺ (Engineering)	Timothy Francis Hein (Engineering)
		Anand Raghunathan (Engineering)
Poster #1707 presented	Charles James Wagner ⁺ (Engineering)	Mark Johnson (Engineering)
11/19 @ 1:30-2:30pm	Vinay Pundith ⁺ (Engineering)	Anand Raghunathan (Engineering)
		Malcolm Lloyd Seib McClymont (Engineering)
Poster #1710 presented	Robert Thomas Welp ⁺ (Engineering)	Joshua Michael Cox (Engineering)
11/19 @ 1:30-2:30pm		Riley Bradley Barta (Engineering)
Poster #1712 presented	William Wong ⁺ (Engineering)	Mark Johnson (Engineering)
11/19 @ 1:30-2:30pm	varun Vaidyanathan† (Engineering JMHC)	Anand Raghunathan (Engineering)
	Yue Yin† (Engineering)	Sooraj Chetput Venkataraghavan
		(Engineering)
Poster #1713 presented	Jinhoo Yoon† (Science)	Thomas Edgar Roth (Engineering)
11/19 @ 1:30-2:30pm	Brandt David Pierce ⁺ (Engineering)	Samuel Theodore Elkin (Engineering)
	Arnav Jadhav† (Engineering)	Ghazi Khan (Engineering)
	Christian Scheckel ⁺ (Engineering)	
	Aditya Gandhi ⁺ (Science)	
	Tylen Sean Fleming ⁺ (DSB)	
	Nicholas James Detwiler‡	
	(Science Graduate JMHC)	
	Omkar Ghodke‡ (Engineering)	
	Warat Nathan Vijitbenjaronk‡ (Science)	
	Keshav Shylesh‡ (Science)	
	Tanvi Chukka‡ (Engineering)	
Research Talk #7000 presented	Truman Stephen Mohr‡ (Science JMHC) Hanhyun Kwak† (Engineering)	Garam Kim (Polytechnic)
11/20 @ 9:00am	Hannyun Kwak' (Engineering)	Sung Jun Choi (Polytechnic)
11/20 @ 9.00am		Eduardo Barocio Vaca (Engineering)
Research Talk #7001 presented	Amar AlAzizy ⁺ (Engineering)	Aravind Machiry (Engineering)
11/20 @ 9:20am	Omar Faramawy Elsayed ⁺ (Engineering)	Arunkumar Bhattar (Engineering)
Research Talk #7002 presented	Myron Milad Tadros ⁺ (Engineering)	Andres Felipe Hoyos Moreno (Engineering)
11/20 @ 9:40am	Ahmed Sayed Omar Omar ⁺ (Engineering)	Samuel Labi (Engineering)
, C	Omar Ahmed Roshdi Badawi Abousheishaa†	
	(Engineering)	
	Bola Yosry Zaky Warsy ⁺ (Engineering)	
	Abdelrahman Ahmed Safwat Eissa ⁺	
	(Engineering)	
Research Talk #7003 presented	Trisha Boodhoo† (Engineering)	Carl R Wassgren (Engineering)
11/20 @ 9:00am		
Research Talk #7004 presented	Tanya Sophia Masnyk† (Engineering)	Qingchun Li (Polytechnic)
11/20 @ 9:20am		Daniel R Chavas (Science)
Research Talk #7005 presented	Surya Pratheek Turaga ⁺ (Engineering JMHC)	Wenzhuo Wu (Engineering)
11/20 @ 9:40am		Jing Jiang (Engineering)
Research Talk #7012 presented	Manav Nikhil Gagvani ⁺ (Engineering)	Shreya Ghosh (Engineering)
11/20 @ 10:00am	Sangeet Mohan ⁺ (Engineering)	
Descende Telle #2040	Jaron David Hunt ⁺ (Engineering)	
Research Talk #7013 presented	lan Owen Out (Engineering)	Monika Tomar (Engineering)
11/20 @ 10:20am	Julianne Quin Iaccarino ⁺ (Engineering)	Yung-Hsiang Lu (Engineering)
	Ibrahim Issa Abdullah ⁺ (Engineering)	
	Basil Khwaja† (Engineering)	
Research Talk #7014 presented	Ron K Natarajan ⁺ (Science) Mathis Malaussena ⁺ (Engineering)	Alexey Shashurin (Purdue University)
11/20 @ 10:40am		Lee E Organski (Engineering)
11/20 @ 10.40am		

Presentation	Students	Mentors
Research Talk #7020 presented	Aakanksha Amol Shripal ⁺ (Engineering)	David J Purpura (HHS)
11/20 @ 10:40am	Son Ha† (Science)	
	Akhil Sagaran Kasturi‡ (Science)	
	Akshitha Kartigueyan‡ (Science)	
	Aarohi Panzade‡ (Science JMHC)	
Research Talk #7024 presented	Divya Raghvendra Manvikar† (Engineering)	Ryan B Wagner (Engineering)
11/20 @ 11:00am	Mira Nimesh Patel ⁺ (Engineering)	Arezoo Ardekani (Engineering)
	Dipali Rebecca Abraham† (Engineering)	
Research Talk #7025 presented	Maria Macias ⁺ (Engineering)	Claudia Benito Alston (Engineering)
11/20 @ 11:20am		Luis Solorio (Engineering)
Research Talk #7026 presented	Minchae Yun† (Science)	Edward J Delp (Engineering)
11/20 @ 11:40am	Huy Duc Vu† (Science)	Fengqing Zhu (Engineering)
	Vishwadeep Singh ⁺ (DSB)	Soudabeh Taghian Dinani (Engineering)
	William Emre Ozkan† (DSB JMHC)	Carla Zoltowski (Engineering)
Research Talk #7036 presented	Victor Ionut Ene ⁺ (Engineering)	James Michael Goppert (Engineering)
11/20 @ 12:00pm	Danica Brynn Joyner ⁺ (Engineering)	Kong (Engineering)
	Nathan James Arnold ⁺ (Engineering)	Nicole Adams (Centers & Institutes)
	Harshavi P Birla ⁺ (Engineering)	
	Natasha Rajendrarao Gundapaneni†	
	(Engineering)	
	Ty Dean Frederick [†] (Engineering)	
	Shelby Grace Britton ⁺ (Engineering)	
	Parth Kailash Dubal† (Engineering)	
	Bhaskar S Patke ⁺ (Engineering)	
Research Talk #7037 presented	Lucy Anne Jurow ⁺ (Engineering)	Megan Hope Lipton (Science)
11/20 @ 12:20pm	Hannah Jordan Margulis ⁺ (Engineering JMHC)	Maria Cristina Makin (Engineering)
Research Talk #7038 presented	William Henry Stevens ⁺ (Science)	Edward J Delp (Engineering)
11/20 @ 12:40pm	Gabriel A Torres ⁺ (Engineering)	Carla Zoltowski (Engineering)
11/20 @ 12.40pm	Karthik Selvaraj ⁺ (Engineering)	Fengqing Zhu (Engineering)
	Leo Ross Benaharon ⁺ (Engineering)	
	Surya Teja Sripathi† (Science)	
	Arnav Dushyant Choudhry ⁺ (Engineering)	
Research Talk #7043 presented	Sucheol Woo ⁺ (Polytechnic)	Garam Kim (Polytechnic)
11/20 @ 12:20pm	Min Yong Chun* (Polytechnic)	Sung Jun Choi (Polytechnic)
11/20 @ 12.20pm		Eduardo Barocio Vaca (Engineering)
Research Talk #7044 presented	Arjun Sandeep Gupte ⁺ (Engineering)	Byung-Cheol Min (Polytechnic)
11/20 @ 12:40pm		Ruiqi Wang (Polytechnic)
11/20 @ 12.40pm		Lakshmi Narayan Vishnunand Venkatesh
		(Polytechnic)
		Taehyeon Kim (Polytechnic)
Research Talk #7047 presented	Revanth Krishna Senthilkumaran ⁺	Aniket Bera (Science)
11/20 @ 12:40pm	(Engineering JMHC)	Apoorva Vashisth (Science)
Research Talk #7048 presented	Hassan Berbich ⁺ (Engineering)	Denny Yu (Engineering)
11/20 @ 1:00pm		
Research Talk #7049 presented	Amikosh Dube† (Engineering)	Younggil Chang (Engineering)
11/20 @ 1:20pm	Noah Anthony Wisniewski† (Engineering)	Shreyas Sundaram (Engineering)
11/20 @ 1.20pm	Jay Bhavesh Gandhi† (Engineering)	
	William John Greenwood† (Science)	
	Jammy Wang ⁺ (Science)	
	Dhanush Adhitya Gopalakrishnan†	
	(Engineering)	
	Srikar Sastry Lanka‡ (Science)	
	Berra Ulku Kalci‡ (Engineering)	
	Richard Hastings Hambleton‡ (DSB)	
Research Talk #7050 presented	Gavin Michael Fortwendel† (Science)	Yi Ding (Engineering)
11/20 @ 1:40pm		Inez Hua (Engineering)

Presentation	Students	Mentors
Research Talk #7057 presented	William P Jiang ⁺ (Science JMHC)	Yeon Ji Yun (Liberal Arts)
11/20 @ 1:00pm	Gurtej Singh Bagga† (Science)	Yung-Hsiang Lu (Engineering)
	Trevor Mission Ju ⁺ (Engineering)	
	Paige Lorenz ⁺ (Science)	
	Shivam Hemal Trivedi‡ (Science)	
	Shrinand Perumal‡ (Science)	
	Aadiv Reki‡ (Science)	
Research Talk #7060 presented	Aishwarya Saikrupa Anand† (Engineering)	Cole Aaron Nelson (Engineering)
11/20 @ 2:00pm	Andy Hanjun Hu† (Engineering)	Mark Johnson (Engineering)
	Mary Francis ⁺ (Engineering JMHC)	
	Dhruv Roopchand Khatri* (Engineering)	
Research Talk #7061 presented	Christine Elizabeth Mayo ⁺ (Engineering)	Curtis Earl Marshall (Engineering)
11/20 @ 2:20pm	Adalene Noel Stangeland ⁺	
-	(Agriculture Engineering)	
	Meggie Faye Khantsis ⁺ (Agriculture JMHC)	
	Megan Leanne Painter‡	
	(Agriculture Engineering)	
	Payton Elizabeth Gault‡ (Agriculture)	
Research Talk #7062 presented	Jihyo Park† (Engineering)	Sivaranjani Seetharaman (Engineering)
11/20 @ 2:40pm	Shounak Mukherjee ⁺ (Engineering JMHC)	
	Alexa Joan Noto ⁺ (Engineering)	
	Ankitha Mallekav ⁺ (Engineering)	
	Akanksh Rao ⁺ (Engineering)	
	Hsin-Wei Hsieh‡ (Engineering)	
	Hyunsang Cho‡ (Engineering)	
	Jaewon Cho‡ (Engineering)	
Research Talk #7064 presented	Madison Chloe Lee ⁺ (Agriculture Engineering)	Olga Lyanda-Geller (Liberal Arts)
11/20 @ 2:20pm		
Research Talk #7069 presented	Rishabh Kottakota ⁺ (Science)	Uma K Aryal (Vet Med)
11/20 @ 2:00pm	Aryaman Dewan* (Science)	
	Malyka Ram* (Agriculture Engineering)	
	Priyanshu Datta Roy*	
	(Agriculture Engineering JMHC)	
Research Talk #7072 presented	Lily Avery Waterman ⁺ (Engineering)	Md Ashiqur Rahman (Engineering)
11/20 @ 3:00pm		David Warsinger (Engineering)
Research Talk #7073 presented	Shamalaa Sathiasealan† (Science)	Mohit Verma (Engineering)
11/20 @ 3:20pm		Josiah L Davidson (Agriculture)
Research Talk #7074 presented	Shruthika Sundar† (Engineering)	Diksha Shukla (University of Wyoming)
11/20 @ 3:40pm		
Research Talk #7076 presented	Jax Patrick Marrone ⁺ (Engineering)	Edward L Bartlett (Engineering)
11/20 @ 3:20pm	Andres Navarro‡ (Science)	Meredith Christine Ziliak (HHS)
	Emily Le Bell‡ (Science)	
	Audrey V Harrison [‡] (Science)	
Research Talk #7077 presented	Caroline Grace Thomas ⁺ (Engineering JMHC)	Charles Robert Kenley (Engineering)
11/20 @ 3:40pm		
Research Talk #7078 presented	Marlo Ann Weber ⁺ (Science JMHC)	Katherine Jarriel (JMHC)
11/20 @ 3:00pm	Connor Taychin Underwood ⁺ (Science JMHC)	
	Christopher Gerald Farber ⁺ (Science JMHC)	
	Allyson Lynn Dinwiddie† (Liberal Arts JMHC)	
	Jacob David Dorson ⁺ (Science JMHC)	
	Hannah Morgan Stegall ⁺ (Engineeing JMHC)	
	Danielle C Ejiogu† (Science JMHC)	
	Giovanni Ignatius Stabile ⁺ (Engineering JMHC)	
Research Talk #7079 presented	Ava Thant Samuel ⁺ (Engineering JMHC)	Lisa B Bosman (Polytechnic)
11/20 @ 3:20pm		

Presentation	Students	Mentors
Research Talk #7080 presented	Brianna Nicole Lewis ⁺ (Engineering JMHC)	Pavlos Vlachos (Engineering)
11/20 @ 3:40pm		
Research Talk #7081 presented	An My Nguyen† (Engineering)	Majid Kazemian (Science)
11/20 @ 3:00pm		Yuxin Zhuang (Agriculture)
Research Talk #7084 presented	Doha Bahaa Eldin Hafez† (Engineering)	Niall Patrick Moloney (Engineering)
11/20 @ 4:00pm	Parker Steven Hitchcock ⁺ (Engineering)	Shreyas Sundaram (Engineering)
	Hasan Sultan ⁺ (Engineering)	
Research Talk #7085 presented	Abdelrahman Osama Khalid† (Engineering)	Seyedehmarzieh Rouhani (Engineering)
11/20 @ 4:20pm	Kerollos Ehab Matta Yanny† (Engineering)	Archana Dharanipragada (Engineering)
	Youssef Nagah Haider† (Engineering)	Mark Johnson (Engineering)
	Manuel Ashraf Melad Gad ⁺ (Engineering)	
Research Talk #7086 presented	Arman Kumar† (Science JMHC)	Mohit Verma (Engineering)
11/20 @ 4:40pm		Josiah L Davidson (Agriculture)
Research Talk #7087 presented	Vidisha Singhal† (Engineering)	Peter Bermel (Engineering)
11/20 @ 4:00pm	Charles Spencer Bowles ⁺ (Engineering JMHC)	
Research Talk #7088 presented 11/20 @ 4:20pm	Alberto Minaya Lopez† (Engineering)	Ramses Martinez (Engineering)
Virtual #9000 presented	Satvika Anand Raj ⁺ (Engineering)	Philip Eugene Pare (Engineering)
11/19-11/26 virtually		Chi Ho Leung (Engineering)
Virtual #9001 presented	Elliott T Buescher ⁺ (Engineering)	Steve Clayton Rausch (Engineering)
11/19-11/26 virtually	Abhijeet Vijay Mohod ⁺ (Engineering)	
	Grayson Dean Gibson ⁺ (Engineering)	
	Roni H Aziz† (Engineering)	
	Kyston Reeve Howard ⁺ (Engineering)	
Virtual #9002 presented	Enrique Camacho ⁺ (Engineering JMHC)	Boyuan Chen (Engineering)
11/19-11/26 virtually	Haruna Kawai† (Engineering)	Sergey Zakharov (Purdue University)
	Muhammad Ameer Hamza ⁺ (Engineering)	Mark Johnson (Engineering)
	Andrew Lee Schlabach [‡] (Engineering)	
	Geetika Chitturi‡ (Engineering JMHC)	
	Akshath Raghav Ravikiran‡ (Engineering)	
Virtual #9003 presented	Aritro Chatterjee ⁺ (Science)	Robin Carpenter (Science)
11/19-11/26 virtually	Evan Chareunsouk Sengsanith [†] (Engineering)	
	Lauren M Burch ⁺ (Science)	
	Camden Michael French [†] (Science)	
	Lucas Michael Rulo† (Science) Yana Manishkumar Shah† (Science)	
	Likith Reddy Singam ⁺ (Engineering)	
Virtual #9004 presented	Zhaoru Chen† (Engineering)	Abinands Ramshanker (Engineering)
11/19-11/26 virtually	Nicholas Helushka† (Engineering)	Mark Senn (Information Technology)
11/19-11/20 Virtually	Seongwon Hong ⁺ (Engineering)	Mark Senn (information reenhology)
	Minghan Wang ⁺ (Engineering)	
	Arina Harlanovich ⁺ (Engineering)	
	Milen Mundackal Manoj ⁺ (Engineering)	
Virtual #9005 presented	Sanjna K Chokshi [†] (Engineering)	Fiona Kolbinger (Engineering)
11/19-11/26 virtually	Joshua Paik† (Science)	Fengqing Zhu (Engineering)
, ,	Nishaant Kunal Shah ⁺ (Engineering)	Soudabeh Taghian Dinani (Engineering)
	Elina Ashish Shah† (Science)	
Virtual #9006 presented	Indrayudh Chowdhury ⁺ (Engineering)	Mark Johnson (Engineering)
11/19-11/26 virtually	Adam Jacob Keith [†] (Engineering)	Isaac P Hagedorn (Engineering)
1		Vishnu Chaithanya Lagudu (Engineering)
Virtual #9007 presented	Ryan James Cook ⁺ (Engineering)	Ryan James Cook (Engineering)
11/19-11/26 virtually		
Virtual #9010 presented	Seth Christian Graber ⁺ (Engineering)	Vishnu Chaithanya Lagudu (Engineering)
11/19-11/26 virtually		Isaac P Hagedorn (Engineering)

Presentation	Students	Mentors
Virtual #9011 presented	William John Greenwood ⁺ (Science)	Younggil Chang (Engineering)
11/19-11/26 virtually	Noah Anthony Wisniewski‡ (Engineering)	Amikosh Dube (Engineering)
		Shreyas Sundaram (Engineering)
Virtual #9012 presented	Christopher Barnes Haynes ⁺ (Engineering)	Kevin T Lee (Engineering)
11/19-11/26 virtually	Hayden Leonhard Supple ⁺ (Engineering)	
- -	Edwin Alvarado ⁺ (Engineering)	
Virtual #9013 presented	Cole Allen Hufford ⁺ (Engineering)	Steve Clayton Rausch (Engineering)
11/19-11/26 virtually	Madilyn Grace Shingle ⁺ (Engineering)	, , , , , , , , , , , , , , , , , , , ,
	Jack Brian Cramer ⁺ (Engineering)	
	Alexander Marcus Krapels ⁺ (Engineering)	
	Nolan Douglas Brown ⁺ (Engineering)	
Virtual #9014 presented	Dhruv Roopchand Khatri ⁺ (Engineering)	Timothy Francis Hein (Engineering)
11/19-11/26 virtually	Zafeer Aaryan Reza ⁺ (Engineering)	Mark Johnson (Engineering)
11/13 11/20 Virtually	Yan-Jun Lin† (Engineering)	
	Wei-Yun Liu ⁺ (Engineering)	
Virtual #9015 presented	Mingyu Kim ⁺ (Engineering)	James C Davis (Engineering)
11/19-11/26 virtually	Mohamed Sameh Abdeltawab Abdelmouty ⁺	James C Davis (Lingineering)
11/19-11/20 Virtually	-	
	(Engineering)	
	Mohamed Alaa Mohamed Ahmed ⁺	
Virtual #0016 presented	(Engineering)	V. Cha (Engineering)
Virtual #9016 presented	Zelin Li ⁺ (Engineering)	Yu She (Engineering)
11/19-11/26 virtually		Jaeeun Kim (Engineering)
Virtual #9017 presented	Zelin Li† (Engineering)	Curtis Earl Marshall (Engineering)
11/19-11/26 virtually		
Virtual #9018 presented	Jessica Frances Lyng ⁺ (Engineering)	Abolfazl Hashemi (Engineering)
11/19-11/26 virtually	Rongbo Hu‡ (Engineering)	Zijian He (Engineering)
Virtual #9019 presented	Cohen Scott Meredith ⁺ (Engineering)	Ken Yoshida (Engineering)
11/19-11/26 virtually	Elliott Samuel Korentager ⁺ (Engineering)	Awadh Mubarak M Al Hawwash (Engineering)
	Willard Gabriel Rash Cuevas ⁺ (Engineering)	
	Gavin Robert Beyers ⁺ (Engineering)	
	Owen Michael Bartel [‡] (Engineering)	
	Toby Dwayne George‡ (Engineering)	
	Meghana Sunil Kumar‡ (Engineering)	
	Pralhad Prashant Mundargi‡ (Engineering)	
	Samir Niradbhai Patel‡ (Engineering)	
	Gavin Wang [‡] (Engineering)	
	Andrew Loren Peterson‡ (Engineering)	
Virtual #9020 presented	Gavin Neal Meyers ⁺ (Engineering)	Steve Clayton Rausch (Engineering)
11/19-11/26 virtually	Zachary Gosnell ⁺ (Engineering)	
	Rudra Vimlesh Patel ⁺ (Engineering)	
	Gavin Allen Arner ⁺ (Engineering)	
	Jin Park ⁺ (Engineering)	
Virtual #9021 presented	Sonal Naik [†] (Science)	Vaneet Aggarwal (Engineering)
11/19-11/26 virtually		Denny Yu (Engineering)
Virtual #9022 presented	Dang Kim Minh Nguyen ⁺ (Polytechnic)	Edward J Delp (Engineering)
11/19-11/26 virtually	Donhyung Ko† (Engineering)	
, , ,,,, ,, ,, ,, ,, ,,	Nam Hoang Tran ⁺ (Science)	
	Muhammad Usman Mushahid ⁺ (Engineering)	
Virtual #9023 presented	Seungkeun Oh† (Engineering)	Shreya Ghosh (Engineering)
11/19-11/26 virtually	Shishir Tumma ⁺ (Engineering)	
Virtual #9024 presented	Dev M Patel ⁺ (Engineering JMHC)	Cole Aaron Nelson (Engineering)
11/19-11/26 virtually	Tri Than† (Engineering)	Johnathan Hong (Engineering)
11, 13 11, 20 Virtually	Medha Mahesh Shinde ⁺ (Engineering)	
	Benjamin Aaron McDowell ⁺ (Engineering)	
Virtual #9025 presented	Akshath Raghav Ravikiran† (Engineering)	Han Sae Kim (Engineering)
11/19-11/26 virtually	ANSHALI NABILAV NAVIKILATI (ETIBILLEETTIIB)	
11/19-11/20 virtually		Jinha Jung (Engineering)

Presentation	Students	Mentors
Virtual #9026 presented	Robert Viktor Rozhanskyy† (Engineering)	Isaac P Hagedorn (Engineering)
11/19-11/26 virtually		
Virtual #9027 presented	Tanmay Singla† (Engineering)	Dharun Rajkkumar Anandayuvaraj
11/19-11/26 virtually		(Engineering)
Virtual #9028 presented	Rohil H Tailor ⁺ (Engineering)	Kevin T Lee (Engineering)
11/19-11/26 virtually	Yongwook Lee ⁺ (Engineering)	
	Ammar Hafiy Bin Abd Ghaffar ⁺ (Engineering)	
	Jacob Metcalf ⁺ (Engineering)	
	Rikhil Tadiparthi ⁺ (Engineering)	
	Neal Jacob Grogg-Reading ⁺ (Engineering)	
Virtual #9029 presented	Laasya Thiagarajan† (Engineering)	Shubhra Bansal (Engineering)
11/19-11/26 virtually		Huilong Liu (Engineering)
Virtual #9030 presented	Eric Chase Williams ⁺ (Engineering)	Arvind Krishna Radhakrishnan (Engineering)
11/19-11/26 virtually	Michael Brayden Hudson ⁺ (Engineering)	Steve Clayton Rausch (Engineering)
	Jacob Tyler Renta ⁺ (Engineering)	
	Tsz Pui Jiang ⁺ (Engineering)	
	YuKuan Lu† (Engineering)	
Virtual #9031 presented	Yutong Wu ⁺ (Engineering)	Steve Clayton Rausch (Engineering)
11/19-11/26 virtually	Sayee Sabri Anand ⁺ (Engineering)	
	Aditya Hegde ⁺ (Engineering)	
	Hao-Chen Li† (Engineering)	