

## Summer 2025 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 OURConnect. Names may be edited (for future reporting) via "my profile" in OURConnect.

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

Presentation	Students	Mentors
Poster #1007 presented 7/30 @ 10:30-11:30am	Lily Dawn Farmer† (Engineering)	Sudharshan Anandan (Engineering)
Poster #1009 presented 7/30 @ 10:30-11:30am	Yuexin Jiang† (Engineering)	Jinyuan Shao (Agriculture) Songlin Fei (Agriculture)
Poster #1022 presented 7/30 @ 10:30-11:30am	Muhammad Zohaib Ali† (Engineering) Mirza Orunav Shahper‡ (Engineering) Qinjia Xu* (Engineering)	Muhammad Mustafa Hussain (Engineering) Yusuf Kolawole Adebakin (Engineering)
Poster #1023 presented 7/30 @ 10:30-11:30am	Juan Sebastian Ardila Lopez†	Jose R Rivas (Engineering) Andres Arrieta Diaz (Engineering)
Poster #1024 presented 7/30 @ 10:30-11:30am	Paula Daniela Avila Martinez†	Agnes Doszpoly (Engineering) Tamara L Kinzer-Ursem (Engineering)
Poster #1027 presented 7/30 @ 10:30-11:30am	Sogo Bakare† (Engineering) Virginia Lucille Hawkins* (Engineering) Steven Li* (Engineering JMHC) William McMahon* (Engineering)	Yash Ajay Garje (Engineering) Morgan M Hynes (Engineering) Bruce Wellman (Engineering) Labiba Rahman (Engineering)
Poster #1028 presented 7/30 @ 10:30-11:30am	Dewayne Eric Ballance† (Science)	Cristiane Grossi Ferrarezzi (Engineering) Andrew Whelton (Engineering)
Poster #1029 presented 7/30 @ 10:30-11:30am	Nicholas Herschel Burriss† (Engineering)	Ken Yoshida (Purdue University) Nathaniel Liam Lazorchak (Engineering)
Poster #1030 presented 7/30 @ 10:30-11:30am	Daniel Jose Carrascal Bonilla†	Aaron Jacob Hartzell (Engineering) Davide Ziviani (Engineering)
Poster #1032 presented 7/30 @ 10:30-11:30am	Mihajlo-Joshua Foali Deganus† (Engineering)	Allison M Komrska (Engineering)
Poster #1033 presented 7/30 @ 10:30-11:30am	Anna Catherine Dressman† (Science)	Sunghee Park (Engineering)
Poster #1035 presented 7/30 @ 10:30-11:30am	Gabriela Garcia Cardenas† Amelia Paige Ringor*	Dylan Kenji Wainwright (Science) Hana Noell Larkins (Science) Matthew Kaboolian (Engineering) Kendra A Erk (Engineering)
Poster #1037 presented 7/30 @ 10:30-11:30am	Javier Guio Gomez† (Engineering)	Satyaroop Patnaik (Engineering)
Poster #1038 presented 7/30 @ 10:30-11:30am	Lilyana Gundayao†	Inez Hua (Engineering)
Poster #1039 presented 7/30 @ 10:30-11:30am	Juliana Gutierrez†	Amisha Shah (Engineering)
Poster #1040 presented 7/30 @ 10:30-11:30am	Virginia Lucille Hawkins† (Engineering) Sogo Bakare* (Engineering) William McMahon* (Engineering) Steven Li* (Engineering JMHC)	Yash Ajay Garje (Engineering) Bruce Wellman (Engineering) Labiba Rahman (Engineering) Morgan M Hynes (Engineering)

Presentation	Students	Mentors
Poster #1041 presented 7/30 @ 10:30-11:30am	Julio Herreros Garcia† (Engineering) Ruben Canora Alvarez* (Engineering)	Hadiseh Alaeian (Engineering)
Poster #1042 presented 7/30 @ 10:30-11:30am	Silas U Hokanson† (Engineering)	Daniel S Elliott (Engineering)
Poster #1043 presented 7/30 @ 10:30-11:30am	Tyler James Hughes† (Engineering)	Sudharshan Anandan (Engineering)
Poster #1046 presented 7/30 @ 10:30-11:30am	Alex Ertang Kuo† (Engineering)	Dheeraj Govindrao Waghmare (Engineering) Akanshu Sharma (Engineering)
Poster #1047 presented 7/30 @ 10:30-11:30am	Henry J Lee† (Science JMHC Graduate)	Madeleine Shuhn Tsua Yuh (Engineering) Neera Jain (Engineering)
Poster #1048 presented 7/30 @ 10:30-11:30am	Oliver Yichi Li† (Engineering JMHC)	Caitlin Rose Proctor (Engineering) Jorge Martinez Del'Angel (Agriculture)
Poster #1050 presented 7/30 @ 10:30-11:30am	Minh An Nguyen Luu†	Brandon Boor (Engineering) Satya Sundar Patra (Engineering)
Poster #1052 presented 7/30 @ 10:30-11:30am	William McMahon† (Engineering) Virginia Lucille Hawkins* (Engineering) Steven Li* (Engineering JMHC) Sogo Bakare* (Engineering)	Yash Ajay Garje (Engineering) Morgan M Hynes (Engineering) Labiba Rahman (Engineering) Bruce Wellman (Engineering)
Poster #1053 presented 7/30 @ 10:30-11:30am	Grace Guan Man Meyer† (Hillsdale College) Emiko A Sano*	Melba M Crawford (Engineering) Weihang Li (Engineering) Fatemeh Azimi (Engineering)
Poster #1054 presented 7/30 @ 10:30-11:30am	Ngoc Gia Khang Nguyen† (Engineering)	Gaurav Somnath Chobe (Engineering)
Poster #1057 presented 7/30 @ 10:30-11:30am	Soham Pawaskar† (Engineering Liberal Arts) Matthew S Leight‡ (Engineering JMHC)	Joseph S Jewell (Engineering)
Poster #1058 presented 7/30 @ 10:30-11:30am	Kiersten Mackenzie Penquite† (Engineering JMHC)	Junkai Xie (Engineering)
Poster #1059 presented 7/30 @ 10:30-11:30am	Mariana Peres Duarte† (Engineering)	Gunes Kosterit (Engineering) Andres Arrieta Diaz (Engineering)
Poster #1061 presented 7/30 @ 10:30-11:30am	Daniela Ramirez Castellanos†	Julie C Liu (Engineering) Marisa Ann Egan (Engineering)
Poster #1062 presented 7/30 @ 10:30-11:30am	Amrita Rani Raparti† (Science)	Deva Chan (Engineering) Ryan Michael Meister (Engineering)
Poster #1063 presented 7/30 @ 10:30-11:30am	Rafael Riesco Risco† (Engineering)	Sushrut Karmarkar (Science) Andreas Jung (Science)
Poster #1065 presented 7/30 @ 10:30-11:30am	Liam N Rochet† (Engineering)	Hyeondong Yang (Engineering) Brett A Meyers (Centers & Institutes)
Poster #1066 presented 7/30 @ 10:30-11:30am	Jeronimo Rodriguez†	Han Sae Kim (Engineering)
Poster #1067 presented 7/30 @ 10:30-11:30am	Lina Paola Rodriguez†	Kendra A Erk (Engineering) Halle Jo Block (Engineering)
Poster #1068 presented 7/30 @ 10:30-11:30am	Kaley Roe† (Engineering)	Thomas H Siegmund (Engineering) Glynn Ellen Gallaway (Engineering)
Poster #1070 presented 7/30 @ 10:30-11:30am	Diego Roux Hernandez†	Zahra Ghodsi (Engineering)
Poster #1073 presented 7/30 @ 10:30-11:30am	Samhita Mysore Shantharam† (Agriculture Engineering JMHC)	Alicia Nicole Scott (Pharmacy) Jean-christophe Rochet (Pharmacy)
Poster #1074 presented 7/30 @ 10:30-11:30am	Sydney Cecelia Sobczak† (Engineering JMHC)	Kevin J Webb (Engineering) Abdelrahman Salem (Engineering)
Poster #1075 presented 7/30 @ 10:30-11:30am	Minh Binh Tran† (Science)	Jenna L Wise DiVincenzo (Engineering) Wen Fan (Engineering)
Poster #1076 presented 7/30 @ 10:30-11:30am	Ryan J Turnbull† Varunavi Kaveri Raghuraman* (Engineering)	Monique Suzanne McClain (Engineering)
Poster #1077 presented 7/30 @ 10:30-11:30am	Maria Angelica Vaquez Hernandez†	Siena Dawit Negash (Engineering) Kelly Schultz (Engineering)

Presentation	Students	Mentors
Poster #1078 presented 7/30 @ 10:30-11:30am	Kaitlyn Marie Wayne <sup>†</sup> (Engineering)	Cristiane Grossi Ferrarezzi (Engineering) Andrew Whelton (Engineering)
Poster #1079 presented 7/30 @ 10:30-11:30am	Jack Thomas Willard <sup>†</sup> (Engineering JMHC)	Alex David Santiago Vargas (Engineering) Ahmed Abdelraheem (Engineering) Dimitrios Peroulis (Purdue University)
Poster #1081 presented 7/30 @ 10:30-11:30am	Daniel Anoruo <sup>†</sup> Alan S Yi <sup>†</sup> (Science)	Yirang Park (Engineering) David Esteban Bernal Neira (Engineering)
Poster #1083 presented 7/30 @ 10:30-11:30am	Jeremy W Libby <sup>†</sup>	David Hibbitts (Engineering) Angela Aguirre (Engineering)
Poster #1084 presented 7/30 @ 10:30-11:30am	Sky Okpaku <sup>†</sup> Isabel C Standley* (Engineering JMHC)	Ted Taewook Kim (Engineering)
Poster #1085 presented 7/30 @ 10:30-11:30am	Charity E Smith <sup>†</sup> Ally Guo <sup>‡</sup>	Brian Michael Tackett (Engineering) Po-Chun Huang (Engineering)
Poster #1086 presented 7/30 @ 10:30-11:30am	Isabel C Standley <sup>†</sup> (Engineering JMHC) Sky Okpaku*	Ted Taewook Kim (Engineering)
Poster #1087 presented 7/30 @ 10:30-11:30am	Joseph F Norwood <sup>†</sup> Martin Vassilev <sup>‡</sup>	David J Cappelleri (Engineering) Aarya Deb (Engineering) Ki Tae Kim (Engineering)
Poster #1088 presented 7/30 @ 10:30-11:30am	Martin Vassilev <sup>†</sup> Joseph F Norwood <sup>‡</sup>	David J Cappelleri (Engineering) Aarya Deb (Engineering) Ki Tae Kim (Engineering)
Poster #1089 presented 7/30 @ 10:30-11:30am	Daming Yang <sup>†</sup> Jeet Brahmabhatt* (Engineering)	David J Cappelleri (Engineering) Aarya Deb (Engineering) Ki Tae Kim (Engineering)
Poster #1090 presented 7/30 @ 10:30-11:30am	Marlen Jones <sup>†</sup>	Hannah Pike (Engineering) Peter Bermel (Engineering) Stylianios Chatzidakis (Engineering)
Poster #1091 presented 7/30 @ 10:30-11:30am	Andrew LeClair <sup>†</sup>	Samera Hossain (Engineering)
Poster #1092 presented 7/30 @ 10:30-11:30am	Ammar M Mukadam <sup>†</sup> (Engineering)	Yingru Song (Engineering) Amy M Marconnet (Engineering) Ritwik Vijaykumar Kulkarni (Engineering)
Poster #1093 presented 7/30 @ 10:30-11:30am	Ethan Xinghan Tan <sup>†</sup> (Engineering JMHC)	Shubhra Bansal (Engineering) Faharia Hasan Bhuiyan (Engineering)
Poster #1095 presented 7/30 @ 10:30-11:30am	Justin Zijie Gan <sup>†</sup> (Engineering)	Andres Felipe Hoyos Moreno (Engineering) Samuel Labi (Engineering)
Poster #1096 presented 7/30 @ 10:30-11:30am	Dong Wang <sup>†</sup> (Engineering)	Seyedehmarzieh Rouhani (Engineering)
Poster #1104 presented 7/30 @ 10:30-11:30am	Joshua Angel Villaso <sup>†</sup> (Engineering)	Rishikesh Reddy Bathina (Engineering)
Poster #1202 presented 7/30 @ 12:00-1:00pm	Luis David Garcia Almeida <sup>†</sup>	Yangfan Liu (Engineering)
Poster #1203 presented 7/30 @ 12:00-1:00pm	Juan Andres Gil Duque <sup>†</sup>	Ivan C Christov (Engineering) Nishanth Surianarayanan (Engineering)
Poster #1206 presented 7/30 @ 12:00-1:00pm	Maria Jose Sanchez Velez <sup>†</sup> Alyssa Camryn Kohl <sup>‡</sup> (Engineering) Sidney Shea Bauer <sup>‡</sup> (Engineering)	enrico Martinez Sainz (Engineering)
Poster #1214 presented 7/30 @ 12:00-1:00pm	Ekagrah Kumar <sup>†</sup> (Agriculture Engineering) Shreyans Jain <sup>‡</sup> Ha Nguyen <sup>‡</sup>	Martin R Okos (Engineering) Dharmendra Saraswat (Engineering)
Poster #1215 presented 7/30 @ 12:00-1:00pm	Mallory A Luse <sup>†</sup> (Agriculture Engineering) Lillian Grace Maldia* (Engineering)	Caitlin Rose Proctor (Engineering) Roland Conrad Wilhelm (Agriculture) Arval Viji Elango (Agriculture)

Presentation	Students	Mentors
Poster #1224 presented 7/30 @ 12:00-1:00pm	Madelyn Clair Watson <sup>†</sup> (Agriculture Engineering)	Bianca de Paula Macedo (Engineering) Nilanjan Samanta (Interdisciplinary & Special Programs) Karthik Sankaranarayanan (Engineering)
Poster #1225 presented 7/30 @ 12:00-1:00pm	Kashyap Akkinapally <sup>†</sup> (Engineering)	Ziyu Dong (Vet Med) Sung Jun Park (Vet Med) GuangJun Zhang (Vet Med)
Poster #1228 presented 7/30 @ 12:00-1:00pm	Priyank Behera <sup>†</sup> (Science)	Charles Robert Kenley (Engineering)
Poster #1229 presented 7/30 @ 12:00-1:00pm	Grant Andrew Belush <sup>†</sup> (Engineering JMHC)	Rachel Kathleen Surowiec (Engineering) Wikum Roshan Ban Ranasinghe Mudiyanselage (Engineering)
Poster #1230 presented 7/30 @ 12:00-1:00pm	Ameya Vikram Bhargava <sup>†</sup> (HHS)	Arezo Ardekani (Engineering)
Poster #1231 presented 7/30 @ 12:00-1:00pm	Kaitlyn Elizabeth Bird <sup>†</sup> (Engineering) Aaron Su <sup>‡</sup> (Engineering)	Joseph S Jewell (Engineering)
Poster #1232 presented 7/30 @ 12:00-1:00pm	William David Boulton <sup>†</sup> (Science) Damian Munoz <sup>‡</sup>	Santiago Torres Arias (Engineering) Eman Abdul-Muhd Abu Ishgair (Engineering) Abhishek Reddypalle (Engineering)
Poster #1233 presented 7/30 @ 12:00-1:00pm	Ethan Patrick Connolly <sup>†</sup> (Engineering JMHC) Heather Murillo*	Guanchun Wang (Engineering) Amisha Shah (Engineering)
Poster #1234 presented 7/30 @ 12:00-1:00pm	Charles R Curione <sup>†</sup> (Engineering)	Gaurav Somnath Chobe (Engineering)
Poster #1235 presented 7/30 @ 12:00-1:00pm	Aryan Dayal <sup>†</sup> (Engineering) Nicholas Joseph Ostendorf <sup>‡</sup> (Engineering)	Carlos J Martinez (Engineering)
Poster #1236 presented 7/30 @ 12:00-1:00pm	Peter Edvardsson <sup>†</sup> (Science) Shamita Yedlapalli <sup>†</sup> (Science) Kayla Y. Xu <sup>†</sup> (Other) Shih-Yao Sun <sup>†</sup> (Engineering) Ji Bing Ni <sup>‡</sup> (Science) Rohan Datta <sup>‡</sup> (Science)	Yeon Ji Yun (Liberal Arts) Yung-Hsiang Lu (Engineering)
Poster #1237 presented 7/30 @ 12:00-1:00pm	Angelica Sofia Gonzalez-Ng <sup>†</sup> (Engineering) Maria Macias* (Engineering) Eliza Louise Thurs* (Engineering)	Luis Solorio (Engineering) Madison Mckensi Howard (Engineering)
Poster #1239 presented 7/30 @ 12:00-1:00pm	Isaiah T Harris <sup>†</sup>	Eunseob Kim (Engineering)
Poster #1242 presented 7/30 @ 12:00-1:00pm	Tom Long Huynh <sup>†</sup> (Engineering Liberal Arts)	Matthew Peter Ward (Engineering) Damen Alec Wilson (HHS)
Poster #1243 presented 7/30 @ 12:00-1:00pm	Amelia C Jaffe <sup>†</sup>	Joshua Michael Cox (Engineering) Vivian Lizeth Toca Diaz (Engineering) Riley Bradley Barta (Engineering)
Poster #1244 presented 7/30 @ 12:00-1:00pm	Siddhant Jain <sup>†</sup> Mason Patrick Julius Levere <sup>†</sup> (Science) Myron Milad Tadros <sup>†</sup> (Engineering) James Thomas Pittard* (Science) Sydney Metz* (Science JMHC)	Andy Jung (Science) Mark Ward (Science) Ace Rounds (Science)
Poster #1245 presented 7/30 @ 12:00-1:00pm	Zhengyi Jiang <sup>†</sup> (Science)	Jason Wade Morphew (Engineering) Junior Anthony Bennett (Interdisciplinary & Special Programs)
Poster #1246 presented 7/30 @ 12:00-1:00pm	Nikhil Kasumarthi <sup>†</sup> (Engineering)	Rachel Kathleen Surowiec (Engineering) Wikum Roshan Ban Ranasinghe Mudiyanselage (Engineering)
Poster #1247 presented 7/30 @ 12:00-1:00pm	Brian Arild Kelly <sup>†</sup> (Engineering)	Thomas H Siegmund (Engineering) Glynn Ellen Gallaway (Engineering)

Presentation	Students	Mentors
Poster #1248 presented 7/30 @ 12:00-1:00pm	David Kichul Kim <sup>†</sup> (Engineering) Hannah Yeonsoo Park <sup>‡</sup> (Engineering JMHC)	euiwon Bae (Engineering)
Poster #1249 presented 7/30 @ 12:00-1:00pm	Mason Patrick Julius Levere <sup>†</sup> (Science) Myron Milad Tadros <sup>†</sup> (Engineering) Siddhant Jain <sup>†</sup> James Thomas Pittard <sup>*</sup> (Science) Sydney Metz <sup>*</sup> (Science JMHC)	Andy Jung (Science) Mark Ward (Science) Ace Rounds (Science)
Poster #1250 presented 7/30 @ 12:00-1:00pm	Steven Li <sup>†</sup> (Engineering JMHC) William McMahon <sup>*</sup> (Engineering) Virginia Lucille Hawkins <sup>*</sup> (Engineering) Sogo Bakare <sup>*</sup> (Engineering) Andrew Robert Ryan <sup>*</sup> (Engineering JMHC)	Yash Ajay Garje (Engineering) Bruce Wellman (Engineering) Labiba Rahman (Engineering) Morgan M Hynes (Engineering)
Poster #1251 presented 7/30 @ 12:00-1:00pm	Madison E Lisenko <sup>†</sup>	Annabelle Leigh Bedford (Engineering) Anupma Thakur (Engineering) Babak Anasori (Engineering)
Poster #1252 presented 7/30 @ 12:00-1:00pm	Aditya Mallepalli <sup>†</sup> (Science)	Linlin Li (Engineering) FNU Nilay Kumar (Engineering)
Poster #1253 presented 7/30 @ 12:00-1:00pm	Adina Ioana Margineantu <sup>†</sup> (Science) Jamie Chanadol Henson <sup>‡</sup> (Engineering)	Ran Dai (Engineering)
Poster #1254 presented 7/30 @ 12:00-1:00pm	Valentina Marin <sup>†</sup>	Anastasia Tsaveas (Engineering) R Byron Pipes (Engineering)
Poster #1256 presented 7/30 @ 12:00-1:00pm	Mahira Mim <sup>†</sup> Bryn R Goldstein <sup>*</sup>	Akshat Verma (Engineering) Jeffrey P Youngblood (Engineering)
Poster #1257 presented 7/30 @ 12:00-1:00pm	Priya Mishra <sup>†</sup> (Science) Kyung Jun Lee <sup>‡</sup> (Engineering) Manaswini Singh <sup>‡</sup> (Science)	Tiancong Zhu (Science) Christopher Antonio Ulate (Science)
Poster #1258 presented 7/30 @ 12:00-1:00pm	Rebekah E Mou <sup>†</sup> (Engineering)	Alejandro Dale Kimball (Centers & Institutes) Ilya Slizovski (Vet Med)
Poster #1259 presented 7/30 @ 12:00-1:00pm	Heather Murillo <sup>†</sup> Ethan Patrick Connolly <sup>*</sup> (Engineering JMHC)	Amisha Shah (Engineering) Guanchun Wang (Engineering)
Poster #1260 presented 7/30 @ 12:00-1:00pm	Srikushal Muthamsetty <sup>†</sup> (Engineering)	June Hyung Kim (Engineering) Tae Yoon Kim (Engineering)
Poster #1261 presented 7/30 @ 12:00-1:00pm	Paul Kyu-Hwan Park <sup>†</sup> (Polytechnic)	Garam Kim (Polytechnic) Eduardo Barocio Vaca (Engineering)
Poster #1262 presented 7/30 @ 12:00-1:00pm	Sanjana Prashanth <sup>†</sup> (Engineering)	Sushma Gude (Engineering)
Poster #1263 presented 7/30 @ 12:00-1:00pm	Varunavi Kaveri Raghuraman <sup>†</sup> (Engineering) Ryan J Turnbull <sup>*</sup>	Monique Suzanne McClain (Engineering)
Poster #1264 presented 7/30 @ 12:00-1:00pm	Aakarsh Nagendra Rai <sup>†</sup> (Science Graduate)	David Iseri Inouye (Engineering)
Poster #1266 presented 7/30 @ 12:00-1:00pm	David Rubin <sup>†</sup> (Engineering JMHC)	Kenneth Barton Reindersma (Engineering) Nicholas Vytautas Babusis (Engineering)
Poster #1268 presented 7/30 @ 12:00-1:00pm	Mary Jane Saylor <sup>†</sup> (Engineering)	Jesus Adrian Meza Galvan (Engineering) Anthony G Cofer (Engineering)
Poster #1271 presented 7/30 @ 12:00-1:00pm	Kenneth David Siefken <sup>†</sup> (Engineering)	FNU Nilay Kumar (Engineering)
Poster #1272 presented 7/30 @ 12:00-1:00pm	Wrigley Alan Starkweather <sup>†</sup> (Engineering)	Dimitrios Peroulis (Purdue University) Alex David Santiago Vargas (Engineering)
Poster #1273 presented 7/30 @ 12:00-1:00pm	Aaron Su <sup>†</sup> (Engineering) Kaitlyn Elizabeth Bird <sup>‡</sup> (Engineering)	Joseph S Jewell (Engineering)
Poster #1274 presented 7/30 @ 12:00-1:00pm	Sarthak Tandon <sup>†</sup> (Engineering)	Jingbo Wang (Engineering)

Presentation	Students	Mentors
Poster #1278 presented 7/30 @ 12:00-1:00pm	Sota Yanagisawa <sup>†</sup> (Engineering DSB) Abdullah Mouaffaq S Albaghdadi <sup>‡</sup> (Engineering)	Abhijnan Dikshit (Engineering) Pavankumar Channabasa Koratikere (Engineering) Spencer Dean Jones (Engineering) Leifur Thor Leifsson (Engineering)
Poster #1279 presented 7/30 @ 12:00-1:00pm	Keith S Yung <sup>†</sup> (Engineering)	Grigori Aleksandrovich Rudakov (Engineering)
Poster #1280 presented 7/30 @ 12:00-1:00pm	Kaden Bowers <sup>†</sup> Michael K Lau <sup>†</sup> (Engineering)	Thomas Ray Grier (HHS) Aaron James Specht (HHS)
Poster #1281 presented 7/30 @ 12:00-1:00pm	Ziara Cato <sup>†</sup>	Cameron James Buerke (Engineering) Allison M Komrska (Engineering) Lorin Irene Breen (HHS) Allen L Garner (Engineering)
Poster #1282 presented 7/30 @ 12:00-1:00pm	Evelyn Colon <sup>†</sup>	Haitong Li (Engineering) Luqi Zheng (Engineering) Shuting Du (Engineering)
Poster #1283 presented 7/30 @ 12:00-1:00pm	Ritveek Govardhanam <sup>†</sup>	Jonah Li Xuan Lau (Engineering)
Poster #1284 presented 7/30 @ 12:00-1:00pm	Michael K Lau <sup>†</sup> (Engineering) Kaden Bowers <sup>†</sup>	Thomas Ray Grier (HHS) Aaron James Specht (HHS)
Poster #1285 presented 7/30 @ 12:00-1:00pm	Rachel Christine Quisil Ordiales <sup>†</sup> (Engineering) Diego Jimenez Rivera <sup>†</sup> Ian Strachan <sup>†</sup> (Engineering)	Michael Titus (Engineering) Ching-Chien Chen (Engineering) Lijia Xie (Engineering) John E Blendell (Engineering) David Bahr (Engineering) Ganesh Subbarayan (Engineering) Carol A Handwerker (Engineering)
Poster #1286 presented 7/30 @ 12:00-1:00pm	Evan E Tuckley <sup>†</sup>	Jinwoo Kim (Engineering) Venkata Kalyan Vadlamudi (Engineering)
Poster #1287 presented 7/30 @ 12:00-1:00pm	Jianing Xue <sup>†</sup>	Allison Nobuko Scher (Engineering) Claire Amelia Mihalko (Engineering) Haiyan Wang (Engineering)
Poster #1288 presented 7/30 @ 12:00-1:00pm	Chao Min Chung <sup>†</sup> (Engineering)	Seyedehmarzieh Rouhani (Engineering)
Poster #1289 presented 7/30 @ 12:00-1:00pm	Connor Bradley Frey <sup>†</sup> (Science)	James Michael Goppert (Engineering) Jaehyeok Kim (Engineering) Kylie Sommer-Kohrt (Engineering)
Poster #1294 presented 7/30 @ 12:00-1:00pm	Nachiket Magesh <sup>†</sup> (Engineering JMHC)	Veera Gnaneswar Gude (Purdue Northwest)
Poster #1299 presented 7/30 @ 12:00-1:00pm	Yash Ajay Shah <sup>†</sup> (Engineering JMHC)	Daniel Robert Guildenbecher (Engineering)
Poster #1401 presented 7/30 @ 1:30-2:30pm	Scott Michael Burke <sup>†</sup> (Engineering) Faith Elizabeth McPhee* (Science) Sierra Hunnicutt* (Science JMHC) Keith Kiragon Moreno* (Agriculture JMHC)	Kristen Marie Bellisario (JMHC)
Poster #1402 presented 7/30 @ 1:30-2:30pm	Katherine Sophia Chiparus <sup>†</sup> (Science)	Abigail Engelberth (Engineering) Valentina Negri (Centers & Institutes)
Poster #1404 presented 7/30 @ 1:30-2:30pm	Xiangrui Kong <sup>†</sup> (Engineering)	Rui He (Engineering)
Poster #1405 presented 7/30 @ 1:30-2:30pm	Faith Elizabeth McPhee <sup>†</sup> (Science) Scott Michael Burke* (Engineering) Keith Kiragon Moreno* (Agriculture JMHC) Yitian Zhu* (Science)	Kristen Marie Bellisario (JMHC)
Poster #1406 presented 7/30 @ 1:30-2:30pm	Aditya Pandurang Prabhu <sup>†</sup> (Engineering)	Pratishtha Poudel (Agriculture) James V Krogmeier (Engineering)

Presentation	Students	Mentors
Poster #1407 presented 7/30 @ 1:30-2:30pm	Aarnav Tushar Sabale† (Engineering)	Craig Goergen (Engineering) Marco Aurelio Conde Oliveira Prado (Engineering)
Poster #1408 presented 7/30 @ 1:30-2:30pm	Diya Singh† (Science)	Gaurav Nanda (Polytechnic) Elizabeth A Richards (HHS) Xinran Y Lehto (HHS) Mark R Lehto (Engineering) Jaeil Lee (HHS)
Poster #1409 presented 7/30 @ 1:30-2:30pm	Colton Gomoll† (Engineering)	Ayman F Habib (Engineering)
Poster #1415 presented 7/30 @ 1:30-2:30pm	Tei Okamoto† (Engineering) Alexandre Chan Tome† (Engineering) Sophia Ho† (Engineering) Henry N Kuehl† (Engineering) Drew Thomas Novak† (Engineering JMHC) Brendan V Espinola† (Engineering)	David B Janes (Engineering) Rahim Rahimi (Engineering)
Poster #1416 presented 7/30 @ 1:30-2:30pm	Ben N Aaron† Mike Xiao‡ (Engineering)	Ivan C Christov (Engineering) Ziyu Wang (Engineering)
Poster #1417 presented 7/30 @ 1:30-2:30pm	Abdullah Mouaffaq S Albaghdadi† (Engineering) Sota Yanagisawa‡ (Engineering DSB)	Abhijnan Dikshit (Engineering) Pavankumar Channabasa Koratikere (Engineering) Spencer Dean Jones (Engineering) Leifur Thor Leifsson (Engineering)
Poster #1419 presented 7/30 @ 1:30-2:30pm	Katy Brauer† (Agriculture Engineering)	Kurt Ristroph (Engineering)
Poster #1422 presented 7/30 @ 1:30-2:30pm	Zhiyuan Chen† (Agriculture Engineering)	Matthew Thomas Tegtmeyer (Science) Autumn Liberty Bandy (Science)
Poster #1423 presented 7/30 @ 1:30-2:30pm	Wanming Dai† (Engineering) Kiersten Mackenzie Penquite* (Engineering JMHC)	Junkai Xie (Engineering)
Poster #1424 presented 7/30 @ 1:30-2:30pm	Amelia G Eicher-Miller† (Engineering)	Ashwin Ramachandran (Engineering)
Poster #1425 presented 7/30 @ 1:30-2:30pm	Deniz Eksioglu† (Engineering JMHC)	Saeed Boroomand (Engineering) Kevin John Otto (Engineering)
Poster #1426 presented 7/30 @ 1:30-2:30pm	Emilio Yair Fonseca Puebla† (Engineering)	Aaron B Morris (Engineering)
Poster #1427 presented 7/30 @ 1:30-2:30pm	Hermes Heng-yu Fu† (Science Graduate)	Denny Yu (Engineering) Jingkun Wang (Engineering) Nicholas Eric Anton (Engineering)
Poster #1428 presented 7/30 @ 1:30-2:30pm	Austin H Gibson†	Eunseob Kim (Engineering)
Poster #1429 presented 7/30 @ 1:30-2:30pm	Bryn R Goldstein† Mahira Mim*	Akshat Verma (Engineering)
Poster #1430 presented 7/30 @ 1:30-2:30pm	Yichen Hu† (Science)	Karthik Ramani (Engineering) Yuzhao Chen (Engineering) Runlin Duan (Engineering) Mayank Harendra Patel (Engineering)
Poster #1431 presented 7/30 @ 1:30-2:30pm	Qingyi Hu†	Junkai Xie (Engineering)
Poster #1432 presented 7/30 @ 1:30-2:30pm	Sijie Huang†	Yu She (Engineering) Sheeraz Athar (Engineering)
Poster #1433 presented 7/30 @ 1:30-2:30pm	Xavier L Ish† (Engineering)	Amy M Marconnet (Engineering) Ritwik Vijaykumar Kulkarni (Engineering)

Presentation	Students	Mentors
Poster #1434 presented 7/30 @ 1:30-2:30pm	Sidh Jain† (Engineering)	Rachel Kathleen Surowiec (Engineering) Wikum Roshan Ban Ranasinghe Mudiyanselage (Engineering) Christopher L Newman (Engineering) Noah A Jasinkiewicz (Vet Med)
Poster #1435 presented 7/30 @ 1:30-2:30pm	Haoyu Ji† (Science)	Karthik Ramani (Engineering)
Poster #1437 presented 7/30 @ 1:30-2:30pm	Sreesha Vedavalli Kidambi† (Agriculture Engineering)	Grigorii Aleksandrovich Rudakov (Engineering) Tamara L Kinzer-Ursem (Engineering)
Poster #1439 presented 7/30 @ 1:30-2:30pm	Ian Kwan Yin Lam† (Science) Rachel M Rivera‡	Linlin Li (Engineering) Nissa Jo Larson (Engineering)
Poster #1440 presented 7/30 @ 1:30-2:30pm	yahor lechanka† (Engineering)	James Michael Goppert (Engineering)
Poster #1441 presented 7/30 @ 1:30-2:30pm	Kristine Yoonseo Lee† (Engineering)	Hojun Lee (Engineering)
Poster #1442 presented 7/30 @ 1:30-2:30pm	Han Li† (Science)	Amy R Reibman (Engineering)
Poster #1443 presented 7/30 @ 1:30-2:30pm	Lana Malek† (Agriculture Engineering)	Kurt Ristroph (Engineering) Caleb Frederick Fretz (Agriculture)
Poster #1444 presented 7/30 @ 1:30-2:30pm	Hannah Jordan Margulis† (Engineering JMHC)	Megan Hope Lipton (Science) Maria Cristina Makin (Engineering)
Poster #1445 presented 7/30 @ 1:30-2:30pm	Doruk Alp Mutlu†	Jenna L Wise DiVincenzo (Engineering)
Poster #1446 presented 7/30 @ 1:30-2:30pm	Laksh Nagpal† (Engineering)	euiwon Bae (Engineering)
Poster #1447 presented 7/30 @ 1:30-2:30pm	Ishan Gopu Nair† (Engineering) Lily Avery Waterman‡ (Engineering) Isaac Parks‡ (Engineering)	Md Ashiqur Rahman (Engineering) David Warsinger (Engineering)
Poster #1448 presented 7/30 @ 1:30-2:30pm	Khanh Nam Nguyen† (Engineering)	Shreyas Sen (Engineering) Lingke Ding (Engineering) Zhengbin Chen (Engineering)
Poster #1449 presented 7/30 @ 1:30-2:30pm	Cillian Norton† (Engineering)	Jingqiao Shen (Engineering) Xiaoping Bao (Engineering)
Poster #1450 presented 7/30 @ 1:30-2:30pm	Aarav Pasad† (Engineering)	Joseph V Sinfield (Engineering) Jenna Nicole Palka (Engineering)
Poster #1451 presented 7/30 @ 1:30-2:30pm	Tru Phong Pham† (Engineering)	Lipi Roy (Engineering)
Poster #1452 presented 7/30 @ 1:30-2:30pm	Son Quoc Son Phan† (Engineering) Timothy P Malloy‡ (Engineering JMHC)	Sean Yenyu Lai (Engineering) Ganesh Subbarayan (Engineering)
Poster #1453 presented 7/30 @ 1:30-2:30pm	Juan Andres Puyo Montealegre†	Shreyas Sundaram (Engineering) Philip Eugene Pare (Engineering)
Poster #1454 presented 7/30 @ 1:30-2:30pm	Zheng Qing† (Engineering)	Xuanying Lai (Science) Christopher Hou Li (Science) Adi Bhatnagar (Engineering)
Poster #1456 presented 7/30 @ 1:30-2:30pm	Rachel M Rivera† Ian Kwan Yin Lam‡ (Science)	Nissa Jo Larson (Engineering) Linlin Li (Engineering)
Poster #1457 presented 7/30 @ 1:30-2:30pm	Alexander Rizk† (Engineering)	Matthew William Vaughn (Engineering) Robert Edwin Ferguson (Engineering) Steven F Son (Engineering)
Poster #1458 presented 7/30 @ 1:30-2:30pm	Javier S Robinson†	Kathleen Howell (Engineering)
Poster #1459 presented 7/30 @ 1:30-2:30pm	Francisco Sebastiano† (Engineering) Nicodemus M O'Brian‡ (Engineering)	Cameron James Buerke (Engineering) Andrew Joseph Romes (Engineering) Allen L Garner (Engineering) Ignacio G Camarillo (Science)



Presentation	Students	Mentors
Poster #1460 presented 7/30 @ 1:30-2:30pm	Yilin Shao <sup>†</sup> (Engineering)	Madeleine Shuhn Tsua Yuh (Engineering) Neera Jain (Engineering)
Poster #1461 presented 7/30 @ 1:30-2:30pm	Wilhelm S Smith <sup>†</sup> Anna Julie Astrid Webb <sup>‡</sup> (Science) Aasish Chowdary Karuturi <sup>‡</sup> (Science JMHC) Bea Olivia Cabot <sup>‡</sup> (Science)	Benjamin Zeidler (Engineering) Cortland Hannah Johns (Engineering) Craig Goergen (Engineering) Emily R Jakob (HHS)
Poster #1462 presented 7/30 @ 1:30-2:30pm	Paul Spitz <sup>†</sup> (Engineering)	Jhoan Andres Ruiz Velasquez (Engineering)
Poster #1464 presented 7/30 @ 1:30-2:30pm	Ethan Scott Streckfuss <sup>†</sup> (Agriculture Engineering JMHC)	Kendahl R Hejl (Engineering) Cary D Troy (Engineering)
Poster #1465 presented 7/30 @ 1:30-2:30pm	Eliza Louise Thurst <sup>†</sup> (Engineering) Angelica Sofia Gonzalez-Ng <sup>‡</sup> (Engineering) Maria Macias <sup>‡</sup> (Engineering)	Madison Mckensi Howard (Engineering) Luis Solorio (Engineering) Juan Camilo Mesa Agudelo (Engineering)
Poster #1466 presented 7/30 @ 1:30-2:30pm	Reece Avery Tippery <sup>†</sup> (Engineering)	Matthew Kaboolian (Engineering) Kendra A Erk (Engineering)
Poster #1468 presented 7/30 @ 1:30-2:30pm	Allen Joseph Vidallon <sup>†</sup> (Engineering)	Demetrius Gulewicz (Engineering) Neera Jain (Engineering)
Poster #1469 presented 7/30 @ 1:30-2:30pm	Ziang Wang <sup>†</sup> (Science) Shrinand Perumal <sup>‡</sup> (Science) Luke Jaehyeon Choi <sup>‡</sup> (Science JMHC) Michael X Zhang <sup>‡</sup> (Engineering) Benjamin Joseph Taylor* (Engineering JMHC) Jackson Patrick Shields* (Science) Ekaterina Tsziao* (Science) Atharv Kharbanda* (Science) Bisti Sunil Potdar* (Science) Sivamurugan Velmurugan* (Engineering Science) Michael Alexander Ikriannikov* (Science) Joseph Issac Getachew* (Science) Mukund Sanjay Rao*	Yung-Hsiang Lu (Engineering) Yeon Ji Yun (Liberal Arts) Zihao Ye (Engineering)
Poster #1470 presented 7/30 @ 1:30-2:30pm	Nathan Daniel Weston <sup>†</sup> (Engineering)	Woei-chyi Chang (Engineering) sogand Hasanzadeh (Engineering)
Poster #1473 presented 7/30 @ 1:30-2:30pm	Alan S Yi <sup>†</sup> (Science) Daniel Anoruot <sup>†</sup>	Yirang Park (Engineering) David Esteban Bernal Neira (Engineering)
Poster #1474 presented 7/30 @ 1:30-2:30pm	Peter Zakariya <sup>†</sup> (Science)	David Iseri Inouye (Engineering) Mai Elkady (Science)
Poster #1480 presented 7/30 @ 1:30-2:30pm	Andrew Yu-en Loh <sup>†</sup> (Engineering)	Isaac P Hagedorn (Engineering)
Poster #1481 presented 7/30 @ 1:30-2:30pm	Franklin Shang <sup>†</sup> (Science)	Yung-Hsiang Lu (Engineering) Ojas Chaturvedi (Engineering)
Poster #1485 presented 7/30 @ 1:30-2:30pm	Yunyi Gao <sup>†</sup> (Science)	Marco Aurelio Conde Oliveira Prado (Engineering)
Poster #1487 presented 7/30 @ 1:30-2:30pm	Duc Minh Hoang <sup>†</sup> (Engineering)	Gopinath Sahu (Engineering)
Poster #1498 presented 7/30 @ 1:30-2:30pm	Christian A Roach <sup>†</sup>	Deva Chan (Engineering) Mikayla Angelique Roach (Office of the Provost)
Poster #1500 presented 7/30 @ 1:30-2:30pm	Vincent Cody Stavig <sup>†</sup> (Science) Aditya Srinivasan <sup>†</sup> (Science) William Christophe Bultman* (Science)	Yihang Zeng (Science) Euihyun Jo (Science) Shuaiqing Zhang (Engineering)
Poster #1505 presented 7/30 @ 1:30-2:30pm	Puruo Wang <sup>†</sup> (Science)	Yung-Hsiang Lu (Engineering) Le Mao (Engineering) Zihao Ye (Engineering)

Presentation	Students	Mentors
Talk #7002 presented 7/30 @ 9:40am	Emanuele Bossi†	Neera Jain (Engineering) Sibibalan Jeevanandam (Engineering)
Talk #7003 presented 7/30 @ 9:00am	Aidan Hirsch† (Engineering)	Qiwei Dong (Engineering) Kevin John Otto (Engineering)
Talk #7004 presented 7/30 @ 9:20am	Phoebe G Smock† (Agriculture Engineering)	John Tesmer (Science) Sandali Lakmini Piladuwa Gamage (Science)
Talk #7005 presented 7/30 @ 9:40am	Mo Chen† (Engineering DSB)	Afaque Alam (Engineering) Li Qiao (Engineering)
Talk #7006 presented 7/30 @ 9:00am	Pratyush Chettri† (Engineering Science JMHC) Aditi Akella* (Engineering)	Krutarth Kiran Kamath (Engineering) Brian Cecil Wyatt (Engineering) Anupma Thakur (Engineering) Nithin Chandran Balachandran Sajitha (Engineering) Babak Anasori (Engineering)
Talk #7007 presented 7/30 @ 9:20am	Twisha Tirumani Shivashankar†	Taimoor Hasan Qazi (Engineering)
Talk #7008 presented 7/30 @ 9:40am	Maksymilian Mroczkowski†	Fiona Kolbinger (Engineering) Muhammad ibtsaam Qadir (Engineering)
Talk #7009 presented 7/30 @ 9:00am	Hsin-Yu Tsern† (Engineering)	Dan Jiao (Engineering) Hongyang Liu (Engineering)
Talk #7012 presented 7/30 @ 10:00am	Damian Munoz† William David Boulton‡ (Science)	Santiago Torres Arias (Engineering) Eman Abdul-Muhd Abu Ishgair (Engineering)
Talk #7014 presented 7/30 @ 10:40am	Noah Strawhacker† (Engineering JMHC)	Kali Nicole Konstantinopoulos (Engineering) Trevor Jaan Shoaf (Engineering) Elsje Pienaar (Engineering)
Talk #7016 presented 7/30 @ 10:20am	Lorenzo Demaria†	Li-Fan Wu (Engineering) Nina Mahmoudian (Engineering)
Talk #7017 presented 7/30 @ 10:40am	Neha Saleha† (Engineering Liberal Arts)	Dhiya eddine Belkadi (Engineering) Muhammad Mustafa Hussain (Engineering)
Talk #7018 presented 7/30 @ 10:00am	Priyanka Ghadiyaram†	Dheeraj Govindrao Waghmare (Engineering) Akanshu Sharma (Engineering)
Talk #7020 presented 7/30 @ 10:40am	Maggie McLeod† (Engineering JMHC)	Kendahl R Hejl (Engineering) Cary D Troy (Engineering)
Talk #7024 presented 7/30 @ 10:00am	Bea Olivia Cabot† (Science) Anna Julie Astrid Webb‡ (Science) Wilhelm S Smith‡ Aasish Chowdary Karuturi‡ (Science JMHC)	Cortland Hannah Johns (Engineering) Benjamin Zeidler (Engineering) Craig Goergen (Engineering)
Talk #7026 presented 7/30 @ 10:40am	Lamiya Sajidbhai Laxmidhar† (Science)	Mukhamad Suhermanto (Engineering)
Talk #7027 presented 7/30 @ 11:00am	Anna M Kiley†	Deva Chan (Engineering) Cameron Xavier Villarreal (Engineering)
Talk #7028 presented 7/30 @ 11:20am	Sarah Elizabeth Grev† (Engineering)	Elnaz Ghajar-Rahimi (Engineering) Craig Goergen (Engineering)
Talk #7029 presented 7/30 @ 11:40am	Mansi Abhijit Dhamne†	Matthew Peter Ward (Engineering)
Talk #7030 presented 7/30 @ 11:00am	Mihika Desai† (Engineering)	Taimoor Hasan Qazi (Engineering)
Talk #7031 presented 7/30 @ 11:20am	Aarya Gajendra Sontakke† (Science)	Mohseu Rashid Subah (Engineering) Pranshu Sardana (Engineering) Rachel Kathleen Surowiec (Engineering)
Talk #7032 presented 7/30 @ 11:40am	Matthew S Leight† (Engineering JMHC) Soham Pawaskar‡ (Engineering Liberal Arts) Eleanor Captola Hostetler* (Engineering)	Joseph S Jewell (Engineering) Siddharth Bhatnagar (Engineering)

Presentation	Students	Mentors
Talk #7033 presented 7/30 @ 11:00am	Myron Milad Tadros† (Engineering) Mason Patrick Julius Levere† (Science) Siddhant Jain† James Thomas Pittard* (Science) Sydney Metz* (Science JMHC)	Andreas Jung (Science) Mark Ward (Science) Ace Rounds (Science)
Talk #7035 presented 7/30 @ 11:40am	Maxwell K Bartlett† David W Ball*	Angel Noel Santiago Colon (Engineering) Rajamani P Gounder (Engineering)
Talk #7038 presented 7/30 @ 11:40am	Laura Fernanda Martinez Galindo†	Craig Goergen (Engineering) Elnaz Ghajar-Rahimi (Engineering)
Talk #7039 presented 7/30 @ 11:00am	Aasish Chowdary Karuturi† (Science JMHC) Wilhelm S Smith‡ Bea Olivia Cabot‡ (Science) Anna Julie Astrid Webb‡ (Science)	Benjamin Zeidler (Engineering) Cortland Hannah Johns (Engineering) Craig Goergen (Engineering)
Talk #7042 presented 7/30 @ 12:00pm	Pranav Mahesh Kuruba† (Science) Everett John Nally* (Engineering)	Rusi P Taleyarkhan (Engineering) Stepan Ozerov (Engineering)
Talk #7045 presented 7/30 @ 12:00pm	Stanley Tzarkwai So† (Engineering)	Seyedehmarzieh Rouhani (Engineering) Mark Johnson (Engineering)
Talk #7046 presented 7/30 @ 12:20pm	Ruben Canora Alvarez† (Engineering) Atish Bhungalia*	Shengwang Du (Engineering) Hadiseh Alaeian (Engineering)
Talk #7048 presented 7/30 @ 12:00pm	David W Ball† Aakash Sanjay* (Engineering)	Bereket Tassew Bekele (Engineering) Rajamani P Gounder (Engineering)
Talk #7049 presented 7/30 @ 12:20pm	Ally Guo† Charity E Smith‡	Brian Michael Tackett (Engineering) Po-Chun Huang (Engineering)
Talk #7052 presented 7/30 @ 12:20pm	Juan Pablo Chitiva Arteaga†	Sanghyun Ahn (Engineering) Rajamani P Gounder (Engineering)
Talk #7055 presented 7/30 @ 12:20pm	Rana Yuvraj† (Science) Bach Son Nguyen‡ (Engineering)	Thomas Edwin Beechem (Engineering) Fernando Josue Vega (Engineering)
Talk #7056 presented 7/30 @ 12:40pm	Aastha Rasesh Patel† (Engineering)	Linda E Haynes (Liberal Arts)
Talk #7057 presented 7/30 @ 1:00pm	Luke DeLion† (Agriculture Engineering)	Mojhdeh Baghbanbashi (Engineering) Sophia R Dasaro (Agriculture) Kurt Ristroph (Engineering)
Talk #7058 presented 7/30 @ 1:20pm	Hamdan Ashfaq†	Nikhilesh Chawla (Engineering) John Aaron Wu (Engineering)
Talk #7059 presented 7/30 @ 1:40pm	Mike Xiao† (Engineering) Ben N Aaron‡	Ivan C Christov (Engineering) Ziyu Wang (Engineering)
Talk #7060 presented 7/30 @ 1:00pm	Andrew M Strawhacker† (Engineering JMHC)	Andrew D Mesecar (Centers & Institutes) Bridget Louise Kaiser (Agriculture)
Talk #7061 presented 7/30 @ 1:20pm	Emiko A Sano† Grace Guan Man Meyer* (Hillsdale College)	Melba M Crawford (Engineering) Weihang Li (Engineering) Fatemeh Azimi (Engineering)
Talk #7062 presented 7/30 @ 1:40pm	Grace O Jost†	Taehong Kim (Engineering)
Talk #7063 presented 7/30 @ 1:00pm	Kevin Yu† (Engineering) Wei Lun Chang† (Engineering) Sean Ross Klein† (Engineering) Justin E Bullock†	Sheng-wen Huang (Engineering) Peter Bermel (Engineering)
Talk #7065 presented 7/30 @ 1:40pm	Diego Jimenez Rivera†	Lijia Xie (Engineering) Carol A Handwerker (Engineering) John E Blendell (Engineering)
Talk #7068 presented 7/30 @ 1:40pm	Lucia Zhang†	Samuel Hartzler (Science) Lauren Ann Metskas (Science) Hongjia Li (Engineering)
Talk #7069 presented 7/30 @ 1:00pm	Isaac Parks† (Engineering) Clark Lay* (Engineering JMHC)	Xavier I Morgan-Lange (Engineering) David Warsinger (Engineering)

Presentation	Students	Mentors
Talk #7070 presented 7/30 @ 1:20pm	Thendral Kamal† (Engineering) Kevin Patrick Corrigan† (Engineering) Haoyu Zhang† (Engineering)	Steven H Collicott (Engineering) Christopher D Nilsen (Engineering) Monish Mahesh Lokhande (Engineering)
Talk #7072 presented 7/30 @ 2:00pm	Serena Yu† (HHS)	chongli Yuan (Engineering) Shichen Wu (Engineering)
Talk #7073 presented 7/30 @ 2:20pm	Allison C Renshaw†	Michael D Sangid (Engineering) Lucas Darby Robinson (Engineering)
Talk #7074 presented 7/30 @ 2:40pm	Zihan O Zeng† (Engineering)	Upinder Kaur (Engineering)
Talk #7075 presented 7/30 @ 2:00pm	Chantelle April Miller† (Engineering JMHC)	Isabelle Kathryn Schaekel (Science) Jonathan J Wilker (Science)
Talk #7076 presented 7/30 @ 2:20pm	Pham Thanh Ngan Dinh†	Carlos J Martinez (Engineering) Nicole Lin Franklin (Engineering) Elizabeth Cecilia Malek (Engineering)
Talk #7077 presented 7/30 @ 2:40pm	Ha Nguyen† Shreyans Jain‡ Ekagrah Kumar‡ (Agriculture Engineering) Nihar Dharmesh Shah*	Dharmendra Saraswat (Engineering) Martin R Okos (Engineering) Varun Aggarwal (Engineering) Daniel N Hauersperger (Agriculture) Adeayo Daniel Adewumi (Agriculture)
Talk #7078 presented 7/30 @ 2:00pm	Ian Strachan† (Engineering)	Jia-Huei Tien (Engineering) David Bahr (Engineering)
Talk #7079 presented 7/30 @ 2:20pm	Ayah Rahman†	Matthew M Niichel (Engineering) Peter Bermel (Engineering) Stylianios Chatzidakis (Engineering)
Talk #7080 presented 7/30 @ 2:40pm	Dylan Swanson†	Seyedehmarzieh Rouhani (Engineering) Mark Johnson (Engineering)
Talk #7081 presented 7/30 @ 2:00pm	Jamie Chanadol Henson† (Engineering) Adina Ioana Margineantu‡ (Science) Clifford Walter Gamble* (Engineering)	Ran Dai (Engineering)
Talk #7082 presented 7/30 @ 2:20pm	Monique Watson† (Engineering)	Matthew Peter Ward (Engineering) Damen Alec Wilson (HHS)
Talk #7083 presented 7/30 @ 2:40pm	Anna Julie Astrid Webb† (Science) Bea Olivia Cabot‡ (Science) Aasish Chowdary Karuturi‡ (Science JMHC) Wilhelm S Smith‡	Cortland Hannah Johns (Engineering) Benjamin Zeidler (Engineering) Craig Goergen (Engineering)
Talk #7088 presented 7/30 @ 3:40pm	Shaocheng Wu† (Engineering)	Yijie Zhang (Engineering)
Talk #7089 presented 7/30 @ 3:00pm	Timothy P Malloy† (Engineering JMHC) Son Quoc Son Phan‡ (Engineering)	Sean Yenyu Lai (Engineering) Ganesh Subbarayan (Engineering)
Talk #7090 presented 7/30 @ 3:20pm	Chen Han Chan† (Engineering)	Junfei Li (Engineering)
Talk #7091 presented 7/30 @ 3:00pm	Junyeong Ahn† (Engineering)	Arun Kumar Mannodi Kanakkithodi (Engineering) Rushik Desai (Engineering)
Talk #7092 presented 7/30 @ 3:20pm	Joshua Paik† (Science) Felix Dinklage‡ Ahhyun Lee‡	Shubh Parag Mehta (Engineering) Craig Goergen (Engineering) Benjamin Landis (Indiana University)
Talk #7093 presented 7/30 @ 3:40pm	Maria Macias† (Engineering) Angelica Sofia Gonzalez-Ng‡ (Engineering) Eliza Louise Thurs‡ (Engineering)	Luis Solorio (Engineering) Madison Mckensi Howard (Engineering) Juan Camilo Mesa Agudelo (Engineering)
Talk #7096 presented 7/30 @ 3:40pm	Ava J Watson†	Chiara Cervini (Engineering) Brandon Chase Myke Allen (Engineering)
Virtual #9008 presented 7/28-8/01 virtually	Angel Antayhua-Reynoso†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering)

Presentation	Students	Mentors
Virtual #9009 presented 7/28-8/01 virtually	Sofiia Goncharuk†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering)
Virtual #9010 presented 7/28-8/01 virtually	Aaron Paddy†	Brandon Chase Myke Allen (Engineering)
Virtual #9011 presented 7/28-8/01 virtually	Seyedarshia Shamszadeh†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering)
Virtual #9012 presented 7/28-8/01 virtually	Vaibhav Charan† (Science)	Pratishtha Poudel (Agriculture) James V Krogmeier (Engineering)
Virtual #9019 presented 7/28-8/01 virtually	Shayan Hasib Jafri† (Engineering)	Mark Johnson (Engineering)
Virtual #9020 presented 7/28-8/01 virtually	Pierce Yungjoon Johnson† (Engineering)	Ben Arie Tanay (Engineering)
Virtual #9023 presented 7/28-8/01 virtually	Laine Chapman† (Engineering)	Evelyn Marie Nonamaker (Engineering) Luis Solorio (Engineering)
Virtual #9024 presented 7/28-8/01 virtually	Joseph Issac Getachew† (Science) Ziang Wang* (Science) Michael X Zhang* (Engineering) Benjamin Joseph Taylor* (Engineering JMHC) Michael Alexander Ikriannikov* (Science)	Yung-Hsiang Lu (Engineering)
Virtual #9025 presented 7/28-8/01 virtually	Michael Alexander Ikriannikov† (Science)	Yung-Hsiang Lu (Engineering) Michael X Zhang (Liberal Arts)
Virtual #9026 presented 7/28-8/01 virtually	Kameron Lee Jackson† (Engineering) Jai Anand Keskar‡ (Engineering) Seongjoong Yim‡ (Engineering)	Cole Aaron Nelson (Engineering)
Virtual #9027 presented 7/28-8/01 virtually	Saadhana Kallampalli Illam† (Science) Bidit Acharyya‡ (Science) Sahil Zahid Shaikh‡ (Science Graduate) Julie Zalautdinov‡ Yash Sunil Burange‡ (Engineering) Prajitchandar Sathischandar‡ (Science)	Yung-Hsiang Lu (Engineering) Yeon Ji Yun (Liberal Arts)
Virtual #9028 presented 7/28-8/01 virtually	Yejin Oh† (Science Graduate)	Cole Aaron Nelson (Engineering)
Virtual #9029 presented 7/28-8/01 virtually	Eric Nance Richardson† (Engineering)	James Michael Goppert (Engineering)
Virtual #9030 presented 7/28-8/01 virtually	Katelyn Krishan Shah† (Engineering) Minghan Wang† (Engineering) Asavari Deshmukh† (Engineering)	Mark Johnson (Engineering) Cole Aaron Nelson (Engineering)
Virtual #9031 presented 7/28-8/01 virtually	Blake Alexander Andrews† (Engineering)	Mark Johnson (Engineering) Isaac P Hagedorn (Engineering)
Virtual #9032 presented 7/28-8/01 virtually	Peter Joseph Bradshaw† (Engineering JMHC) Ella Renee Moss‡ (Engineering) Emma Loretta Hansen‡ (Engineering JMHC) Arnav Basu‡ (Engineering) Adiba Alamgir Mrittika‡ (Engineering)	Eckhard A Groll (Engineering) Helber Antonio Esquivel Puentes (Engineering) Devahdhanush Vijayaraju Swathibanu (Engineering)
Virtual #9040 presented 7/28-8/01 virtually	Suhani Mathur† (Engineering)	Sasikiran v
Virtual #9043 presented 7/28-8/01 virtually	Ram Tewari† (Engineering)	Catherine Jean Shukle (Liberal Arts)