

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

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

Presentation	Students	Mentors
Poster #1000 presented 7/25 @ 9:00-10:00am	Lina Milena Gomez Morales†	Yun-Fang Yang (Engineering)
Poster #1006 presented 7/25 @ 9:00-10:00am	Spasko Aleksov† (Engineering) Paige Alicia Greenfield* (Engineering) Xu Lu* (Polytechnic)	Logan Jacob Melican (Engineering)
Poster #1007 presented 7/25 @ 9:00-10:00am	Rishika Bera†	Karthik Ramani (Engineering) Asim Unmesh (Engineering) Runlin Duan (Engineering) Mayank Harendra Patel (Engineering)
Poster #1009 presented 7/25 @ 9:00-10:00am	Marie Emilie Charbonnier†	Rusi P Taleyarkhan (Engineering) Stepan Ozerov (Engineering)
Poster #1010 presented 7/25 @ 9:00-10:00am	Hannah Y Chun† (Engineering)	David Neal Halbrooks (Purdue University)
Poster #1011 presented 7/25 @ 9:00-10:00am	Atin Dewant† (Engineering JMHC)	Fiona Kolbinger (Engineering)
Poster #1013 presented 7/25 @ 9:00-10:00am	Marzuk Hasant†	Ethan P Wissmann (Engineering)
Poster #1014 presented 7/25 @ 9:00-10:00am	Anja Hribljan† Daniel Sich‡	Brett Savoie (Engineering) Andrew Bartlett Schofield (Engineering)
Poster #1015 presented 7/25 @ 9:00-10:00am	Joyce Hu†	Waqas Alam (Engineering) David Warsinger (Engineering)
Poster #1016 presented 7/25 @ 9:00-10:00am	Saloni Jajoo† (Science)	Fiona Kolbinger (Engineering)
Poster #1018 presented 7/25 @ 9:00-10:00am	Ali Kalmagambetov† (Engineering)	Alberto Castillo (Engineering) Jan Olek (Engineering) Maria Mirian Velay Lizancos (Engineering)
Poster #1019 presented 7/25 @ 9:00-10:00am	Hanhyun Kwak† (Engineering)	Harry Kangseok Lee (Engineering) Garam Kim (Polytechnic) Eduardo Barocio Vaca (Engineering)
Poster #1020 presented 7/25 @ 9:00-10:00am	Jai Nanda Lakamsani† (Polytechnic)	Yu She (Engineering)
Poster #1022 presented 7/25 @ 9:00-10:00am	Aaryan Sachin Lath† (Engineering)	Shirley J Dyke (Engineering) Oscar Daniel Forero velez (Engineering)
Poster #1023 presented 7/25 @ 9:00-10:00am	Ian Laudo† (Engineering)	Leifur Thor Leifsson (Engineering)
Poster #1024 presented 7/25 @ 9:00-10:00am	Ilhoon Lee† (Science)	Madeleine Shuhn Tsua Yuh (Engineering) Neera Jain (Engineering)
Poster #1025 presented 7/25 @ 9:00-10:00am	Matthew S Leight† (Engineering JMHC) Eleanor Captola Hostetler‡ (Engineering)	Joseph S Jewell (Engineering) Siddharth Bhatnagar (Engineering)
Poster #1026 presented 7/25 @ 9:00-10:00am	Chenyu Li†	Jeonghui Kim (Engineering) Letian Dou (Engineering)

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Presentation	Students	Mentors
Poster #1027 presented 7/25 @ 9:00-10:00am	En-tsz Liu† (Engineering)	Mehrnoosh Afshang (Engineering) Kelly Schultz (Engineering)
Poster #1028 presented 7/25 @ 9:00-10:00am	Emma Lombardo†	Yung-Hsiang Lu (Engineering)
Poster #1031 presented 7/25 @ 9:00-10:00am	Matthew William Margraf† (Engineering)	Evelyn Marie Nonamaker (Engineering) Luis Solorio (Engineering)
Poster #1032 presented 7/25 @ 9:00-10:00am	Jax Patrick Marrone† (Engineering) Andres Navarro‡ (Science) Sahil Vijay Desai‡ (Engineering JMHC) Emily Le Bell‡ (Science)	Edward L Bartlett (Science) Meredith Christine Ziliak (Science)
Poster #1033 presented 7/25 @ 9:00-10:00am	Joseph Mayer† (Engineering)	You-Yeon Won (Engineering) Samruddhi Moreshwar Patil (Engineering) Sung-Ho Shin (Engineering)
Poster #1034 presented 7/25 @ 9:00-10:00am	Aishwarya Menon† (Engineering)	Shrivatsa Shrirang Korde (Engineering) Gintaras Reklaitis (Engineering) Zoltan Nagy (Engineering)
Poster #1035 presented 7/25 @ 9:00-10:00am	Tyler Merrill† (Engineering)	Kevin J Webb (Engineering) Abdelrahman Salem (Engineering) Paula-Marie Ivey (HHS)
Poster #1036 presented 7/25 @ 9:00-10:00am	Logan Mick† (Engineering)	Kendra A Erk (Engineering) Akul Seshadri (Engineering)
Poster #1037 presented 7/25 @ 9:00-10:00am	Tomas Montoya† (Engineering)	Shivam Sharma (Engineering)
Poster #1039 presented 7/25 @ 9:00-10:00am	Andy Nguyen†	Philip Eugene Pare (Engineering)
Poster #1040 presented 7/25 @ 9:00-10:00am	Michelle Perez Aguilar†	Zahra Ghodsi (Engineering)
Poster #1041 presented 7/25 @ 9:00-10:00am	Kayla Renae Phillips† (Engineering JMHC)	Cristian Eduardo Vargas Ordonez (Engineering) Yash Ajay Garje (Engineering)
Poster #1042 presented 7/25 @ 9:00-10:00am	Ankita Prasad† (Engineering JMHC)	Saloni Darji (Science) Marissa Elaine Henager (Science) David Thompson (Science)
Poster #1043 presented 7/25 @ 9:00-10:00am	Eliana Saavedra†	Zachary Kristopher Beickman (Engineering) Julie C Liu (Engineering)
Poster #1045 presented 7/25 @ 9:00-10:00am	Neelesh Sarathy† (Science Graduate JMHC)	Mohit Verma (Engineering) Bibek Raut (Engineering)
Poster #1046 presented 7/25 @ 9:00-10:00am	Nistha Shrestha†	Sathish Rajendran (Engineering)
Poster #1047 presented 7/25 @ 9:00-10:00am	Daniel Sich† Anja Hribljan‡	Brett Savoie (Engineering) Andrew Bartlett Schofield (Engineering)
Poster #1048 presented 7/25 @ 9:00-10:00am	Shreya Sinha† (Engineering)	Deva Chan (Engineering) Mikayla Angelique Roach (Engineering)
Poster #1049 presented 7/25 @ 9:00-10:00am	Pedro Daniel Soto Rodriguez† (Engineering JMHC) Ludvik Mathis Fjeld* (Engineering)	Eduardo Barocio Vaca (Engineering)
Poster #1050 presented 7/25 @ 9:00-10:00am	Drake William Strait† (Engineering JMHC)	Sandro Matosevic (Pharmacy) Xinyu Wu (Pharmacy) Tyler Parker Fritsch (Pharmacy) Kumar Rishabh (Pharmacy)
Poster #1051 presented 7/25 @ 9:00-10:00am	Vihaan Vajpayee† (Science) Andrew Joseph Thompson* (Science)	Enrique Daniel Saldivar Carranza (Engineering) Darcy M Bullock (Engineering)
Poster #1052 presented 7/25 @ 9:00-10:00am	Edward Vane† (Engineering)	Dheeraj Govindrao Waghmare (Engineering)

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Presentation	Students	Mentors
Poster #1053 presented 7/25 @ 9:00-10:00am	Nishant Vasant† Haddy Elie Alchaer‡ (Engineering)	Karthik Ramani (Engineering) Dizhi Ma (Engineering)
Poster #1054 presented 7/25 @ 9:00-10:00am	Lily Avery Waterman† (Engineering)	David Warsinger (Engineering) Md Ashiqur Rahman (Engineering)
Poster #1055 presented 7/25 @ 9:00-10:00am	Thomas B Wooldridge† (Engineering)	Li Qiao (Engineering) Holman Lau (Engineering)
Poster #1059 presented 7/25 @ 9:00-10:00am	Connor Bradley Frey† (Science) Ryan Thomas Jordan* (Engineering JMHC) Edward Falcon Navarro* (Science JMHC) Caasi Nketiah Boakye* (Science) Minsoo Oh* (Science) Tim Nadolsky* (Science) Ping-Hung Nick Ko* (Engineering) Brian Mingyang Qi* (Science);	Yeon Ji Yun (Liberal Arts) Yung-Hsiang Lu (Engineering)
Poster #1060 presented 7/25 @ 9:00-10:00am	Edward Falcon Navarro† (Science JMHC) Ryan Thomas Jordan* (Engineering JMHC) Tim Nadolsky* (Science) Ping-Hung Nick Ko* (Engineering) Caasi Nketiah Boakye* (Science) Minsoo Oh* (Science) Brian Mingyang Qi* (Science) Anthony Wang* (Science) Connor	Yeon Ji Yun (Liberal Arts) Yung-Hsiang Lu (Engineering) Purvish Jatin Jajal (Engineering)
Poster #1065 presented 7/25 @ 9:00-10:00am	Deniz Eksioglu† (Engineering JMHC)	Hyowon Lee (Engineering) Jae Young Park (Engineering)
Poster #1077 presented 7/25 @ 9:00-10:00am	Bach Son Nguyen† (Engineering)	Thomas E Beechem (Engineering)
Poster #1200 presented 7/25 @ 10:30-11:30am	Aspen Arnold†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering) Quayannah Lane (North Carolina A&T University)
Poster #1201 presented 7/25 @ 10:30-11:30am	Daisey Briggs†	Kaitlyn Nicole Allen (Science) Chiara Cervini (Engineering) Quayannah Lane (North Carolina A&T University)
Poster #1202 presented 7/25 @ 10:30-11:30am	Scott Edwards†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering) Quayannah Lane (North Carolina A&T University)
Poster #1203 presented 7/25 @ 10:30-11:30am	Kaydence Hall†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering) Quayannah Lane (North Carolina A&T University)
Poster #1204 presented 7/25 @ 10:30-11:30am	Angelic Harris†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering) Quayannah Lane (North Carolina A&T University)
Poster #1205 presented 7/25 @ 10:30-11:30am	Jarrett Harris†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering) Quayannah Lane (North Carolina A&T University)

## Summer 2024 Undergraduate Research Symposium

Presentation	Students	Mentors
Poster #1206 presented 7/25 @ 10:30-11:30am	Francisco Hurtado†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering) Quayannah Lane (North Carolina A&T University)
Poster #1207 presented 7/25 @ 10:30-11:30am	Olivia J Kurtz†	Nadia Gkritza (Engineering) Zainab Imran (Engineering) Ricardo Chahine (Engineering)
Poster #1208 presented 7/25 @ 10:30-11:30am	Quayannah Lane†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering)
Poster #1210 presented 7/25 @ 10:30-11:30am	Tiara Thomas†	Brandon Chase Myke Allen (Engineering)
Poster #1211 presented 7/25 @ 10:30-11:30am	Daniel White†	Brandon Chase Myke Allen (Engineering) Chiara Cervini (Engineering) Quayannah Lane (North Carolina A&T University)
Poster #1221 presented 7/25 @ 10:30-11:30am	David Staniel Onishile† (Engineering)	Kyle Aaron Cottrell (Agriculture)
Poster #1223 presented 7/25 @ 10:30-11:30am	Mateo Colorado Zapata†	Enrico Martinez Sainz (Engineering) Rajdeep Deka (Engineering)
Poster #1225 presented 7/25 @ 10:30-11:30am	Ana Milena Espinosa Jimenez†	Kwang Taik Kim (Engineering) Cheng Chen (Engineering)
Poster #1227 presented 7/25 @ 10:30-11:30am	Joslyn Renee Ferguson† (Engineering) Niharika Narra‡ (Engineering JMHC) John Patrick Salvas*	Cortland Hannah Johns (Engineering) Alyssa Marine Richards (Student Life) Craig Goergen (Engineering)
Poster #1230 presented 7/25 @ 10:30-11:30am	Daniel Ethan Kelley† (Engineering) Natalie Elizabeth Romick‡ (Graduate)	Craig Goergen (Engineering)
Poster #1255 presented 7/25 @ 10:30-11:30am	Ozan Altuntas† (Engineering)	Laura J Pyrak-Nolte (Science) Alexandra Blair Clark (Science)
Poster #1256 presented 7/25 @ 10:30-11:30am	Ishaan Breinig† (Engineering)	Li Qiao (Engineering) Afaque Alam (Engineering)
Poster #1258 presented 7/25 @ 10:30-11:30am	Jacob Daniel† (Engineering JMHC)	Gaurav Somnath Chobe (Engineering)
Poster #1259 presented 7/25 @ 10:30-11:30am	Rishipreet Singh Dhir† (Engineering)	Sean Yenyu Lai (Engineering) David Neal Halbrooks (Purdue University)
Poster #1260 presented 7/25 @ 10:30-11:30am	Jack Rearden Ferlazzo† (Engineering JMHC)	Anwarul Islam Akash (Engineering) Xianfan Xu (Engineering) Jason Johnson (Engineering) Ishat Raihan Jamil (Engineering)
Poster #1261 presented 7/25 @ 10:30-11:30am	Nicolas Giesemann† (Engineering)	Andrea Vacca (Engineering) Timir Rajendra Patel (Engineering)
Poster #1262 presented 7/25 @ 10:30-11:30am	Kyle Jeffery Heaton† (Engineering JMHC)	Taimoor Hasan Qazi (Engineering)
Poster #1263 presented 7/25 @ 10:30-11:30am	Liam Q Johnson† (Engineering) Lokesh Sriram* (Engineering) Benjamin Garrett Drillings* Levi Darian Reyes Premer* (Graduate)	Elias Nikolaos Pergantis (Engineering) Kevin James Kircher (Engineering)
Poster #1264 presented 7/25 @ 10:30-11:30am	Xu Lu† (Polytechnic) Spasko Aleksov* (Engineering) Benjamin Charles Miller* (Engineering)	Logan Jacob Melican (Engineering)
Poster #1265 presented 7/25 @ 10:30-11:30am	Jiawen Lyu† (Science)	Amy R Reibman (Engineering) Manu Ramesh (Engineering)
Poster #1266 presented 7/25 @ 10:30-11:30am	Karla Erendira Obermeier Velazquez†	Santiago Torres Arias (Engineering)

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Presentation	Students	Mentors
Poster #1267 presented 7/25 @ 10:30-11:30am	Vidit Hemal Patel† (Science JMHC)	Martin Byung-Guk Jun (Engineering)
Poster #1268 presented 7/25 @ 10:30-11:30am	Carolyn Sun†	Kevin J Webb (Engineering) Adam Winston Behnke (Engineering) Thomas J Pollei (Engineering)
Poster #1269 presented 7/25 @ 10:30-11:30am	Andrew Joseph Thompson† (Science) Vihaan Vajpayee* (Science)	Enrique Daniel Saldivar Carranza (Engineering) Darcy M Bullock (Engineering)
Poster #1270 presented 7/25 @ 10:30-11:30am	Evan R Williamst (Engineering)	Matthew Kaboolian (Engineering) Kendra A Erk (Engineering)
Poster #1271 presented 7/25 @ 10:30-11:30am	Alexander Douglas Carlson† (Engineering JMHC)	Eduardo Barocio Vaca (Engineering)
Poster #1401 presented 7/25 @ 12:00-1:00pm	Kirshaun McGhee†	Rajamani P Gounder (Engineering)
Poster #1402 presented 7/25 @ 12:00-1:00pm	Zachary Rasmussen†	Can Li (Engineering) Hao Chen (Engineering)
Poster #1403 presented 7/25 @ 12:00-1:00pm	Joyce M Rivera Sanchez†	Wei-Ling Huang (Engineering) Jeffrey T Miller (Engineering)
Poster #1405 presented 7/25 @ 12:00-1:00pm	Johan Martinez†	Ritwik Vijaykumar Kulkarni (Engineering)
Poster #1406 presented 7/25 @ 12:00-1:00pm	Dania M Zeint†	Allen L Garner (Engineering) Lorin Irene Breen (HHS) Cameron James Buerke (Engineering) Samera Hossain (Engineering) Alexander Gregory Sinelli (Engineering) Reagan LiPing McCafferty (Purdue University)
Poster #1410 presented 7/25 @ 12:00-1:00pm	Anagha Gaitonde† (Engineering)	Simerdeep Kaur (Engineering) Mohit Verma (Engineering)
Poster #1415 presented 7/25 @ 12:00-1:00pm	Joel Jenson Kuriakose† (Engineering JMHC)	Karthik Sankaranarayanan (Engineering)
Poster #1420 presented 7/25 @ 12:00-1:00pm	Nathaniel Merrick Miller† (Engineering)	Weiguo Andy Tao (Science) Yi Kai Liu (Agriculture)
Poster #1422 presented 7/25 @ 12:00-1:00pm	Katie Nicole Smith† (Engineering)	Caitlin Rose Proctor (Engineering)
Poster #1425 presented 7/25 @ 12:00-1:00pm	Rieko Simone Wilford† (Agriculture) Alejandro Daza Gallo* Jihyo Park* (Engineering)	Hinayah Rojas de Oliveira (Agriculture) Upinder Kaur (Engineering)
Poster #1426 presented 7/25 @ 12:00-1:00pm	Gianna Marie Arnone† (Engineering) Matthew William Vaughn* (Graduate)	Diane Collard (Engineering)
Poster #1427 presented 7/25 @ 12:00-1:00pm	Apoorva Bahl† (Engineering) Stella Mae Betts‡ (Engineering)	Hitesh Bindra (Engineering) Broderick Michael Sieh (Engineering)
Poster #1428 presented 7/25 @ 12:00-1:00pm	Stella Mae Betts† (Engineering) Apoorva Bahl‡ (Engineering)	Hitesh Bindra (Engineering) Broderick Michael Sieh (Engineering)
Poster #1429 presented 7/25 @ 12:00-1:00pm	Trisha Boodhoo† (Engineering)	Bairav Sabarish Vishnugopi (Engineering) Partha P Mukherjee (Engineering) Arpan Kumar Sharma (Engineering)
Poster #1430 presented 7/25 @ 12:00-1:00pm	Ryan L Bottini† (Engineering)	Cagri Un (Engineering)
Poster #1431 presented 7/25 @ 12:00-1:00pm	Zarif Cabrera†	Philip Eugene Pare (Engineering)
Poster #1432 presented 7/25 @ 12:00-1:00pm	Pablo Cambra Valcarcel†	Davide Ziviani (Engineering) Feng Wu (Engineering) Panagiota Karava (Engineering)
Poster #1434 presented 7/25 @ 12:00-1:00pm	Zhiyuan Chen† (Engineering)	Taimoor Hasan Qazi (Engineering)

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

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Presentation	Students	Mentors
Poster #1436 presented 7/25 @ 12:00-1:00pm	Luke DeLion† (Engineering)	Sophia R Dasaro (Engineering) Kurt Ristroph (Engineering)
Poster #1437 presented 7/25 @ 12:00-1:00pm	Martin Detloff†	James C Davis (Engineering)
Poster #1438 presented 7/25 @ 12:00-1:00pm	Victor Alexander Dossint† (Engineering)	Seyedmehdi Sharifian (Engineering) Nien-hwa L Wang (Engineering)
Poster #1439 presented 7/25 @ 12:00-1:00pm	David S Estrella† (Engineering)	R Edwin Garcia (Engineering) Haiyan Wang (Engineering)
Poster #1440 presented 7/25 @ 12:00-1:00pm	Bryan Gong†	Monique Suzanne McClain (Engineering) Andrew Stephen Bok (Engineering)
Poster #1442 presented 7/25 @ 12:00-1:00pm	Chi-En Huang† (Engineering)	Isaac Stonewall Wheeler (Engineering) Vivek Narsimhan (Engineering) Alina Alexeenko (Engineering)
Poster #1443 presented 7/25 @ 12:00-1:00pm	Nathan Joseph† (Engineering) Edward Vane† (Engineering)	Margaritis Tonidis (Engineering)
Poster #1445 presented 7/25 @ 12:00-1:00pm	Basil Khwaja† (Engineering)	Yuan-Yao Lou (Engineering) Kwang Taik Kim (Engineering)
Poster #1446 presented 7/25 @ 12:00-1:00pm	Nils Kiefert†	Nina Mahmoudian (Engineering)
Poster #1447 presented 7/25 @ 12:00-1:00pm	Manila Kunwar† (Engineering) Ruey-Bin Tsai‡ Junyeong Ahn‡ (Engineering)	Jeffrey P Youngblood (Engineering) Michael Titus (Engineering) Ching-Chien Chen (Engineering) David R Johnson (Engineering)
Poster #1448 presented 7/25 @ 12:00-1:00pm	Qi Heng Law† (Engineering)	Rusi P Taleyarkhan (Engineering) Stepan Ozerov (Engineering)
Poster #1449 presented 7/25 @ 12:00-1:00pm	Craig Liut† (Science)	Jenna L Wise DiVincenzo (Engineering)
Poster #1450 presented 7/25 @ 12:00-1:00pm	Ismael A Luna†	David J Cappelleri (Vice President Research) Ki Tae Kim (Engineering) Aarya Deb (Engineering)
Poster #1451 presented 7/25 @ 12:00-1:00pm	Minh An Nguyen Luu†	Brandon Boor (Engineering) Satya Sundar Patra (Engineering) Nusrat Jung (Engineering)
Poster #1452 presented 7/25 @ 12:00-1:00pm	Ellen Ma†	Ismar Leonel Chew (Engineering) Monique Suzanne McClain (Engineering)
Poster #1454 presented 7/25 @ 12:00-1:00pm	Nicole Marie Maneatist† (Engineering)	Zherui Martinez-Guo (Engineering) Cody Dean Kirk (Engineering)
Poster #1455 presented 7/25 @ 12:00-1:00pm	Rafael Monteiro Martins Pinheiro† (Science)	Ivan C Christov (Engineering)
Poster #1457 presented 7/25 @ 12:00-1:00pm	Angie Catalina Parra Ovelencio† Pedro Daniel Soto Rodriguez‡ (Engineering JMHC)	Andreas Jung (Science) Sushrut Karmarkar (Science)
Poster #1458 presented 7/25 @ 12:00-1:00pm	Hemisha Shardul Patel† (Science)	Yash Ajay Garje (Engineering) Cristian Eduardo Vargas Ordonez (Engineering)
Poster #1459 presented 7/25 @ 12:00-1:00pm	Milan Edward Rahmani† (Engineering) Sota Yanagisawa‡ (Engineering)	Abhijnan Dikshit (Engineering) Pavankumar Channabasa Koratikere (Engineering) Leifur Thor Leifsson (Engineering)
Poster #1460 presented 7/25 @ 12:00-1:00pm	Paula Sanchez Ulloa†	Xiwei Shan (Engineering) Tian Li (Engineering)

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Presentation	Students	Mentors
Poster #1461 presented 7/25 @ 12:00-1:00pm	Paul William Swift† (Engineering JMHC)	Bruno Tesini Roseguini (HHS) Bohyun Ro (HHS) Luke Schepers (Engineering) Craig Goergen (Engineering) Qifan Song (Science)
Poster #1462 presented 7/25 @ 12:00-1:00pm	Julia Janina Szela† (Engineering)	Barrett Freeland Davis (Engineering) Tamara L Kinzer-Ursem (Engineering)
Poster #1463 presented 7/25 @ 12:00-1:00pm	Andres Uzcateguit† (Engineering)	Krishna Jayant (Engineering)
Poster #1465 presented 7/25 @ 12:00-1:00pm	Gaurav Vermani† (Engineering)	Aravind Machiry (Engineering) Shashank Sharma (Engineering) Ayushi Sharma (Engineering)
Poster #1467 presented 7/25 @ 12:00-1:00pm	Matthew T Zegarski† (Engineering)	Barrett Freeland Davis (Engineering) Tamara L Kinzer-Ursem (Engineering)
Poster #1468 presented 7/25 @ 12:00-1:00pm	Bryan Zhang†	James C Davis (Engineering)
Poster #1469 presented 7/25 @ 12:00-1:00pm	Mohammed Abdul Gani Zilani†	Mohseu Rashid Subah (Engineering) Rachel Kathleen Surowiec (Engineering)
Poster #1470 presented 7/25 @ 12:00-1:00pm	Jiying Zou†	Carlos J Martinez (Engineering) Nicole Lin Franklin (Engineering)
Poster #1472 presented 7/25 @ 12:00-1:00pm	Armando David Galicia Huerta† Thomas Edgardo Schmitz‡ (Engineering JMHC)	Eduardo Barocio Vaca (Engineering) R Byron Pipes (Engineering)
Poster #1473 presented 7/25 @ 12:00-1:00pm	Race Ethan Medema† (Engineering) Alexandra Cynthia Marlene Britto‡ (Engineering)	Keith A Cherkauer (Engineering)
Poster #1477 presented 7/25 @ 12:00-1:00pm	Christopher Ray† (Agriculture JMHC)	David Warsinger (Engineering)
Poster #1600 presented 7/25 @ 1:30-2:30pm	William Rowan Cunningham† (Engineering) Maxwell Frank Michalec* (Engineering JMHC) Om Gupta* (Engineering) Fahad Aloufi* (Engineering JMHC)	Mark Johnson (Engineering) Cole Aaron Nelson (Engineering)
Poster #1602 presented 7/25 @ 1:30-2:30pm	Riley James Robert Madden† (Engineering)	Stylios Chatzidakis (Engineering) Peter Bermel (Engineering) William Stephen Richards (Engineering) Hannah Pike (Student Life)
Poster #1603 presented 7/25 @ 1:30-2:30pm	Nicodemus M O'Brian† (Engineering)	Allen L Garner (Engineering) Cameron James Buerke (Engineering)
Poster #1604 presented 7/25 @ 1:30-2:30pm	Evan N Reid†	Titiksha Singh (Engineering)
Poster #1605 presented 7/25 @ 1:30-2:30pm	Abhiram Saridena† (Engineering)	Cole Aaron Nelson (Engineering) Mark Johnson (Engineering)
Poster #1606 presented 7/25 @ 1:30-2:30pm	Alexander Gregory Sinelli† (Science) Sree Harsha Naropanth Ramamurthy‡ (Graduate) Allison M Komrska‡ (Engineering)	Allen L Garner (Engineering)
Poster #1607 presented 7/25 @ 1:30-2:30pm	Parker Smith† (Engineering)	Hannah Pike (Student Life) Allen L Garner (Engineering) Stylios Chatzidakis (Engineering)
Poster #1608 presented 7/25 @ 1:30-2:30pm	Kailyn D Steed†	Allen L Garner (Engineering) Stylios Chatzidakis (Engineering) Hannah Pike (Student Life) Samera Hossain (Engineering)

## Summer 2024 Undergraduate Research Symposium

Presentation	Students	Mentors
Poster #1610 presented 7/25 @ 1:30-2:30pm	Junyeong Ahn <sup>†</sup> (Engineering) Manila Kunwar <sup>‡</sup> (Engineering) Ruey-Bin Tsai <sup>‡</sup>	Jeffrey P Youngblood (Engineering) Michael Titus (Engineering) David R Johnson (Engineering)
Poster #1613 presented 7/25 @ 1:30-2:30pm	Arjun Singh Bhadoria <sup>†</sup> (Engineering JMHC)	Rajamani P Gounder (Engineering) Enrique Iglesia (Engineering) Ryoh-suke Sekiya (Engineering)
Poster #1614 presented 7/25 @ 1:30-2:30pm	Jose Abraham Bolanos Vargas <sup>†</sup> (Engineering)	Dimitrios Peroulis (Purdue University) Alex David Santiago Vargas (Engineering)
Poster #1616 presented 7/25 @ 1:30-2:30pm	Nicholas Herschel Burriss <sup>†</sup> (Engineering)	Awadh Mubarak M Al Hawwash (Engineering) Ken Yoshida (Engineering)
Poster #1617 presented 7/25 @ 1:30-2:30pm	Yuyuan Cao <sup>†</sup>	Denny Yu (Engineering) Jingkun Wang (Engineering)
Poster #1618 presented 7/25 @ 1:30-2:30pm	Belen Noemi Carrasco Grandest <sup>†</sup>	Manni Zhang (Engineering) Ana Estrada Gomez (Engineering)
Poster #1620 presented 7/25 @ 1:30-2:30pm	Ethan Chieng Chiao <sup>†</sup> (Engineering)	Jason Dwight McKinney (Engineering) Lucas Michael Cohen (Engineering)
Poster #1621 presented 7/25 @ 1:30-2:30pm	Hyunsang Cho <sup>†</sup> (Engineering) Christopher Li Gou <sup>‡</sup> (Science) Aditya S Hebbani <sup>‡</sup> (Engineering)	Richard M Voyles (Polytechnic)
Poster #1622 presented 7/25 @ 1:30-2:30pm	Owen J Cochell <sup>†</sup>	Paschal Chukwuebuk Amusuo (Engineering)
Poster #1624 presented 7/25 @ 1:30-2:30pm	Miles T Davist <sup>†</sup>	Morgan Renee Broberg (Purdue University) Sean Dankoski (Engineering) Kaitlyn Amber Kondos (Engineering)
Poster #1625 presented 7/25 @ 1:30-2:30pm	Haozhen Dong <sup>†</sup>	HUIYANG LI (Engineering)
Poster #1626 presented 7/25 @ 1:30-2:30pm	Abigail J Dressman <sup>†</sup> (Engineering)	Sunghee Park (Engineering)
Poster #1628 presented 7/25 @ 1:30-2:30pm	Defne Ekici <sup>†</sup> (Engineering)	Deva Chan (Engineering) Janice Perry Evans (Science)
Poster #1629 presented 7/25 @ 1:30-2:30pm	Alan Fu <sup>†</sup> (Engineering)	Junjie Luo (Engineering) Qi Guo (Engineering)
Poster #1630 presented 7/25 @ 1:30-2:30pm	Zhichen Guan <sup>†</sup>	Mateo Roldan Carvajal (Engineering) David Warsinger (Engineering) Davide Ziviani (Engineering)
Poster #1631 presented 7/25 @ 1:30-2:30pm	Priyam Gupta <sup>†</sup> (Science JMHC)	Jenna L Wise DiVincenzo (Engineering)
Poster #1632 presented 7/25 @ 1:30-2:30pm	Ana S Hernandez <sup>†</sup> (Engineering) Stephanie Maureen Poore <sup>†</sup> (Engineering)	Luis Solorio (Engineering)
Poster #1633 presented 7/25 @ 1:30-2:30pm	Hsin-Wei Hsieh <sup>†</sup> (Engineering)	Sivaranjani Seetharaman (Engineering)
Poster #1634 presented 7/25 @ 1:30-2:30pm	Ricardo Andrews Huertas <sup>†</sup>	Xiulin Ruan (Engineering) Andrea Lorena Felicelli (Engineering) Ioanna Katsamba (Engineering)
Poster #1635 presented 7/25 @ 1:30-2:30pm	Junwoo Jang <sup>†</sup> (Engineering)	Neil Ghosh (Engineering) Xianfan Xu (Engineering)
Poster #1636 presented 7/25 @ 1:30-2:30pm	William P Jiang <sup>†</sup> (Science JMHC) Shrinand Perumal* (Science) Shivam Hemal Trivedi*	Yeon Ji Yun (Liberal Arts) Yung-Hsiang Lu (Engineering) Purvish Jatin Jajal (Engineering)
Poster #1638 presented 7/25 @ 1:30-2:30pm	Jake Kim <sup>†</sup> (Engineering)	Dina Wael Samir Khattab (Engineering) Xiaoling Shen (Engineering)
Poster #1639 presented 7/25 @ 1:30-2:30pm	Mason J Kramer <sup>†</sup> (Engineering JMHC)	Demetrius Gulewicz (Engineering) Neera Jain (Engineering)



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Presentation	Students	Mentors
Poster #1640 presented 7/25 @ 1:30-2:30pm	Shreya Krishnan† (Engineering)	Jianing Li (Pharmacy) Talon Hicks (Office of the Provost)
Poster #1641 presented 7/25 @ 1:30-2:30pm	Elan Landau†	Yung-Hsiang Lu (Engineering)
Poster #1642 presented 7/25 @ 1:30-2:30pm	Ahhyun Lee†	Craig Goergen (Engineering) Elnaz Ghajar-Rahimi (Engineering) Felix Dinklage (Engineering)
Poster #1643 presented 7/25 @ 1:30-2:30pm	Richard Li† (Science JMHC)	Hojun Lee (Engineering)
Poster #1644 presented 7/25 @ 1:30-2:30pm	Madison Sarah Loisel† (Engineering)	Fiona Kolbinger (Engineering)
Poster #1645 presented 7/25 @ 1:30-2:30pm	Mallory A Luse† (Agriculture)	Jeffrey P Youngblood (Engineering) Roland Conrad Wilhelm (Agriculture) Caitlin Rose Proctor (Engineering) Xilong Wang (Science) Arval Viji Elango (Agriculture)
Poster #1646 presented 7/25 @ 1:30-2:30pm	Maria Macias† (Engineering) Angelica Sofia Gonzalez-Ng* (Engineering)	Madison Mckensi Howard (Engineering) Luis Solorio (Engineering)
Poster #1647 presented 7/25 @ 1:30-2:30pm	Lillian Grace Maldia† (Engineering)	Caitlin Rose Proctor (Engineering)
Poster #1648 presented 7/25 @ 1:30-2:30pm	Nashe Bumi Mucharambeyi† (Engineering)	Jay Gore (Engineering) Dileepan Velu (Engineering)
Poster #1650 presented 7/25 @ 1:30-2:30pm	Jihyo Park† (Engineering)	Upinder Kaur (Engineering)
Poster #1652 presented 7/25 @ 1:30-2:30pm	Gayatri Pradeep†	Rachel Kathleen Surowiec (Engineering)
Poster #1653 presented 7/25 @ 1:30-2:30pm	Abhishek Raj†	Rusi P Taleyarkhan (Engineering) Bailey Alexander Christensen (Engineering) Stepan Ozerov (Engineering)
Poster #1654 presented 7/25 @ 1:30-2:30pm	Sidney Evan Ryan† (Engineering) En-Hua Chang‡ (Engineering)	Amy M Marconnet (Engineering) Piyush Mani Tripathi (Engineering)
Poster #1655 presented 7/25 @ 1:30-2:30pm	Thomas Edgardo Schmitz† (Engineering JMHC) Armando David Galicia Huerta‡	Eduardo Barocio Vaca (Engineering) Harry Kangseok Lee (Engineering)
Poster #1656 presented 7/25 @ 1:30-2:30pm	Audrey Ye-Ning Schuster† (Engineering JMHC)	Rebecca Ciez (Engineering)
Poster #1657 presented 7/25 @ 1:30-2:30pm	Alexander Joseph Spilotro† (Engineering)	Riley Bradley Barta (Engineering) Joshua Michael Cox (Engineering)
Poster #1658 presented 7/25 @ 1:30-2:30pm	Madeline Jane Stevenson† (Engineering) Luhao Xu* (Engineering) Shlok Rajesh Kulkarni* (Engineering JMHC)	Arezoo Ardekani (Engineering) Harsa Mitra (Engineering)
Poster #1660 presented 7/25 @ 1:30-2:30pm	Ilene Trach† (Engineering) Case T Vandeveld† (Engineering)	Yu Wang (Engineering)
Poster #1661 presented 7/25 @ 1:30-2:30pm	Case T Vandeveld† (Engineering) Ilene Trach† (Engineering)	Yu Wang (Engineering)
Poster #1662 presented 7/25 @ 1:30-2:30pm	Richard Joseph Von Tersch† (Engineering) Samantha Sudhoff† (Science) Vinay Sai Meda‡ (Science)	Yung-Hsiang Lu (Engineering) Yeon Ji Yun (Liberal Arts)
Poster #1665 presented 7/25 @ 1:30-2:30pm	Indrayudh Chowdhury† (Engineering)	Mark Johnson (Engineering) Maxwell Frank Michalec (Engineering)
Poster #1667 presented 7/25 @ 1:30-2:30pm	Emmanuel Monda Gichaba† (Engineering) Gaurav Sharma‡	Tasneem Sharma (Indiana University)
Poster #1670 presented 7/25 @ 1:30-2:30pm	Xinwan Hu† (HHS)	Joaquin Goni Cortes (Engineering) Mintao Liu (Engineering)

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

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Presentation	Students	Mentors
Poster #1673 presented 7/25 @ 1:30-2:30pm	Clark Lay† (Engineering JMHC) Songhao Wu‡ (Graduate)	David Warsinger (Engineering) Anand Balaraman (Engineering)
Poster #1674 presented 7/25 @ 1:30-2:30pm	Marcelo Marcos† (Engineering) Payten Marley Whitfield‡ (Engineering JMHC) Josh Michael Youngblood‡	Andrew Whelton (Engineering)
Poster #1675 presented 7/25 @ 1:30-2:30pm	Ian Quan† (Engineering)	Tiwei Wei (Engineering) Ketankumar Jayantkuma Yogi (Engineering)
Poster #1676 presented 7/25 @ 1:30-2:30pm	Payten Marley Whitfield† (Engineering JMHC) Marcelo Marcos‡ (Engineering) Josh Michael Youngblood‡	Andrew Whelton (Engineering)
Poster #1677 presented 7/25 @ 1:30-2:30pm	Chadi Harmouch†	Dengfeng Sun (Engineering) Hanyao Hu (Purdue University)
Talk #7000 presented 7/25 @ 9:00am	Ryan Thomas Jordan† (Engineering JMHC) Tim Nadolsky* (Science) Edward Falcon Navarro* (Science JMHC) Ping-Hung Nick Ko* (Engineering) Caasi Nketiah Boakye* (Science) Minsoo Oh* (Science) Brian Mingyang Qi* (Science) Anthony Wang* (Science) Connor	Yeon Ji Yun (Liberal Arts) Yung-Hsiang Lu (Engineering) Purvish Jatin Jajal (Engineering)
Talk #7003 presented 7/25 @ 9:00am	Andrew Lewis Hadikusumo† (Engineering)	Shijun Zhou (Engineering) Nak-seung Patrick Hyun (Engineering)
Talk #7007 presented 7/25 @ 9:00am	Jhair Steven Gallego Mendez†	Nina Mahmoudian (Engineering)
Talk #7008 presented 7/25 @ 9:20am	Fredrick G Mungai†	Justin Weibel (Engineering) Debraliz Isaac-Aragones (Engineering) David Warsinger (Engineering)
Talk #7009 presented 7/25 @ 9:40am	Aakarsh Misra†	Brett Savoie (Engineering) Sai Mahit Vaddadi (Engineering)
Talk #7010 presented 7/25 @ 9:00am	Marilyn Rego† (Science)	Jenna L Wise DiVincenzo (Engineering)
Talk #7011 presented 7/25 @ 9:20am	Sota Yanagisawa† (Engineering) Milan Edward Rahmani‡ (Engineering)	Abhijnan Dikshit (Engineering) Pavankumar Channabasa Koratikere (Engineering) Leifur Thor Leifsson (Engineering)
Talk #7013 presented 7/25 @ 10:00am	Yijie Zhang† (Engineering) Shaocheng Wu‡ (Engineering)	Junfei Li (Engineering)
Talk #7014 presented 7/25 @ 10:20am	Chunge Li† (Engineering)	Brian Michael Tackett (Engineering) Joseph Nathanael Heil (Engineering)
Talk #7015 presented 7/25 @ 10:40am	Anel Zhussupbekova† (Engineering) Raikhan Tokpatayeva*	Jan Olek (Engineering)
Talk #7016 presented 7/25 @ 10:00am	Akansha Chauhan† (Engineering JMHC)	Jacqueline Linnes (Engineering) Lucy Teberh Teclé (Office of the Provost)
Talk #7018 presented 7/25 @ 10:40am	Nikki Lynn Zavodny† (Engineering)	Paula Danielly B Coelho (Engineering)
Talk #7022 presented 7/25 @ 10:20am	Junhan Shen† (Other)	Muhammad Mustafa Hussain (Engineering) Mujeeb Yousuf (Engineering) Dhiya eddine Belkadi (Engineering) Min Sung Kim (Engineering)
Talk #7024 presented 7/25 @ 10:00am	Everett Mason†	Eunseob Kim (Engineering) Ali Shakouri (Engineering)
Talk #7025 presented 7/25 @ 10:20am	Bethany Rita Kettleborough† (Science) Valentina Saenz* (Engineering)	Lisa Welp (Science)

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Presentation	Students	Mentors
Talk #7026 presented 7/25 @ 10:40am	Kamran Hajibayli† (Engineering)	Rakesh Agrawal (Engineering) Daniel Christian Hayes (Engineering)
Talk #7028 presented 7/25 @ 11:20am	Brian G Mmarit†	Upinder Kaur (Engineering) Jiajun An (Engineering)
Talk #7029 presented 7/25 @ 11:40am	Joseph Michael McAlear† (Engineering)	Logan Dihel (Engineering) Nak-seung Patrick Hyun (Engineering)
Talk #7030 presented 7/25 @ 11:00am	Makayla Nicole Phillips† (Engineering JMHC)	Joshua Sexton (Engineering)
Talk #7031 presented 7/25 @ 11:20am	Brenden Michael Bush† (Engineering)	Benjamin Kyle Murdock (Engineering) Robert P Lucht (Engineering)
Talk #7032 presented 7/25 @ 11:40am	En-Hua Chang† (Engineering) Sidney Evan Ryan‡ (Engineering)	Amy M Marconnet (Engineering) Piyush Mani Tripathi (Engineering)
Talk #7034 presented 7/25 @ 11:20am	Alpamys Sultanbek† (Engineering) Hailey Brianna Haglid† (Engineering) Justin Shakergayen‡ (Polytechnic) Katelyn Krishan Shah‡ (Engineering) Dalton J Aaker‡ (Engineering) Aiyan Sarwar Alam‡ (Engineering) Brian Martin Dodd‡ (Engineering) Brian Song‡	Sebastien Helie (HHS)
Talk #7036 presented 7/25 @ 11:00am	Stephen Brice Rider† (Engineering JMHC) Sabria Kionna Nesmith‡ (Engineering)	Brian Hyun-jong Lee (Engineering) Alejandro H Strachan (Engineering)
Talk #7037 presented 7/25 @ 11:20am	Lindsay Kathryn Sutherland† (Engineering JMHC)	Amy M Marconnet (Engineering) Shanmukhi Sripada (Engineering)
Talk #7038 presented 7/25 @ 11:40am	Charles Spencer Bowles† (Engineering JMHC) Vidisha Singhal‡ (Engineering)	Peter Bermel (Engineering) Jie Zhu (Engineering)
Talk #7040 presented 7/25 @ 11:20am	Niharika Narra† (Engineering JMHC)	Craig Goergen (Engineering) Cortland Hannah Johns (Engineering)
Talk #7042 presented 7/25 @ 12:00pm	Sarah Marie Stallert† (Engineering JMHC)	Deva Chan (Engineering) Cameron Xavier Villarreal (Office of the Provost)
Talk #7043 presented 7/25 @ 12:20pm	Mathis Malaussena† (Engineering)	Alexey Shashurin (Purdue University) Lee E Organski (Engineering)
Talk #7044 presented 7/25 @ 12:40pm	Nikolai Baranov† (Engineering)	Parikesit Pandu Dewanatha (Engineering) Neera Jain (Engineering)
Talk #7045 presented 7/25 @ 12:00pm	Dan Ha Le†	Denny Yu (Engineering)
Talk #7046 presented 7/25 @ 12:20pm	Salomon Caro Castillo†	Caitlin Rose Proctor (Engineering)
Talk #7053 presented 7/25 @ 12:00pm	Shaocheng Wu† (Engineering) Yijie Zhang‡ (Engineering)	Junfei Li (Engineering)
Talk #7054 presented 7/25 @ 12:20pm	Sahil Vijay Desai† (Engineering JMHC) Jax Patrick Marrone‡ (Engineering) Andres Navarro‡ (Science) Emily Le Bell‡ (Science)	Edward L Bartlett (Science) Meredith Christine Ziliak (Science)
Talk #7056 presented 7/25 @ 1:20pm	Katy Brauert† (Engineering)	Kurt Ristroph (Engineering)
Talk #7060 presented 7/25 @ 1:40pm	Sungyu Choi† (Engineering)	Vallabh Suresh (Pharmacy)
Talk #7061 presented 7/25 @ 1:00pm	Nina A Borkowski† Talana N Small‡	Diamarys Salome Rivera (Engineering) Sarah Margaret Gustafson (Engineering)
Talk #7062 presented 7/25 @ 1:20pm	Nicholas Barmore†	Ted Taewook Kim (Engineering) Jeffrey T Miller (Engineering)

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Presentation	Students	Mentors
Talk #7063 presented 7/25 @ 1:40pm	Mahagani Lasciers†	Diana Milena Ramirez Gutierrez (Engineering)
Talk #7066 presented 7/25 @ 1:00pm	Gabriel Brandt de Toledo† (Engineering)	Ryan B Wagner (Engineering) Akshay Deolia (Engineering)
Talk #7067 presented 7/25 @ 1:20pm	Ruey-Bin Tsai† Junyeong Ahn‡ (Engineering) Manila Kunwar‡ (Engineering)	Jeffrey P Youngblood (Engineering) Michael Titus (Engineering) Ching-Chien Chen (Engineering)
Talk #7068 presented 7/25 @ 1:40pm	Conwy Zheng† (Engineering)	Daniel Kim (Science)
Talk #7069 presented 7/25 @ 2:00pm	Sai Shashank Mukker† (Science)	Gaia Cervini (Engineering) Ricardo Chahine (Engineering) Nadia Gkritza (Engineering)
Talk #7070 presented 7/25 @ 2:20pm	Kyenret Yakubu Ayuba† (Engineering JMHC)	Tonglei Li (Pharmacy) Doraiswami Ramkrishna (Engineering)
Talk #7071 presented 7/25 @ 2:40pm	Caroline Powell† (Science)	Michael Paul Zimmerman (Engineering)
Talk #7072 presented 7/25 @ 2:00pm	Kara Rochelle McCrindle† (Engineering)	Hyeondong Yang (Engineering) Rudra Sethu Viji (Engineering) Brett A Meyers (Centers & Institutes) Pavlos Vlachos (Centers & Institutes)
Talk #7073 presented 7/25 @ 2:20pm	Tyler Harrison Hsieh† (Engineering JMHC)	Sibibalan Jeevanandam (Engineering) Neera Jain (Engineering)
Talk #7078 presented 7/25 @ 2:00pm	Julian Mauricio Cruz Rojas†	Stylianios Chatzidakis (Engineering)
Talk #7079 presented 7/25 @ 2:20pm	William David Quintero Gallego†	Ankita Raturi (Engineering) Megan Mei Yee Low (Engineering)
Talk #7080 presented 7/25 @ 2:40pm	Abhijay Achukola† (Engineering) Aniket Chatterjee† (Engineering)	Mark Johnson (Engineering) Maxwell Frank Michalec (Engineering) Cole Aaron Nelson (Engineering)
Talk #7081 presented 7/25 @ 2:00pm	Farren M Martinus† (Engineering)	Fiona Kolbinger (Engineering)
Talk #7082 presented 7/25 @ 2:20pm	Paul A Loughlin† (Engineering)	Juan Camilo Osorio Pinzon (Engineering)
Talk #7083 presented 7/25 @ 2:40pm	Urvi Mathur† (Engineering)	Zoltan Nagy (Engineering)
Talk #7087 presented 7/25 @ 3:00pm	Simone Xin Moulton† (Engineering JMHC) Adriana K Sanchez* (Polytechnic)	Alexander Baena (Engineering) D. Marshall Porterfield (Agriculture)
Talk #7088 presented 7/25 @ 3:20pm	Anika Bhoopalam† (Engineering JMHC)	S S M Tareq Hossain (Engineering) Letian Dou (Engineering) Arun Kumar Mannodi Kanakkithodi (Engineering)
Talk #7089 presented 7/25 @ 3:40pm	Albert Li†	Neera Jain (Engineering) Jacob Grant Hunter (Engineering)
Talk #7093 presented 7/25 @ 3:00pm	Olaoluwa Adegbohunbe† (Science JMHC) Ryan Thomas Jordan‡ (Engineering JMHC)	Tonglei Li (Pharmacy)
Talk #7096 presented 7/25 @ 3:00pm	Kazim Hussain Jafri† (Engineering)	David Warsinger (Engineering)
Talk #7097 presented 7/25 @ 3:20pm	Tyler S Dierckman† (Engineering JMHC)	Elsje Pienaar (Engineering) Trevor Jaan Shoaf (Engineering)
Talk #7098 presented 7/25 @ 3:40pm	Taeha Jeong†	Dengfeng Sun (Engineering) Xiaolin Xu (Engineering)
Talk #7100 presented 7/25 @ 4:20pm	Valentina Saenz† (Engineering) Bethany Rita Kettleborough* (Science)	Lisa Welp (Science)

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Presentation	Students	Mentors
Talk #7101 presented 7/25 @ 4:40pm	Maya Araujo† (Engineering JMHC)	Zherui Martinez-Guo (Engineering)
Talk #7102 presented 7/25 @ 4:00pm	Mathias Erik Bock Agerman†	Christopher G. Brinton (Engineering) JONGGWANG KIM (Engineering) Shreyas Sundaram (Engineering)
Talk #7103 presented 7/25 @ 4:20pm	Adam G Weber† (Engineering)	Karthik Sankaranarayanan (Engineering) Olga Costa Alves Souza (Office of the Provost)
Talk #7104 presented 7/25 @ 4:40pm	Junyoung Kim† (Engineering)	Ahmed Hussain Qureshi (Science) Hanwen Ren (Science)
Talk #7105 presented 7/25 @ 4:00pm	Kayla Y. Xu†	Richard L Kennell (Centers & Institutes) Ming Qu (Engineering)
Talk #7106 presented 7/25 @ 4:20pm	Sami Nasser Zagha† (Science) Trent Michael Seaman† (Engineering) Ron K Natarajan‡ (Science) Daniel EnYi Yang‡ (Exploratory Studies) Nihar Pushkar Atri‡ (Science) Dinmukhamed Mukhtar Tynysbay‡ (Science)	Yung-Hsiang Lu (Engineering)
Talk #7108 presented 7/25 @ 4:00pm	Winston Yusong Lin† (Science)	Christopher Savion Sims (Engineering)
Talk #7109 presented 7/25 @ 4:00pm	Ethan Michael DeVries† (Engineering) Mustafa Ugur* (Graduate)	Laura Helen Blumenschein (Engineering)
Talk #9008 presented 7/25-8/01 virtually	Abdellah Amrhar†	Brandon Chase Myke Allen (Engineering)
Talk #9009 presented 7/25-8/01 virtually	Elsia Rodriguez-Linares†	Brandon Chase Myke Allen (Engineering)
Talk #9010 presented 7/25-8/01 virtually	Robert D Serrano†	Brandon Chase Myke Allen (Engineering)
Talk #9011 presented 7/25-8/01 virtually	Aishwarya Saikrupa Anand† (Engineering) Aryan M Kadakia† (Engineering) Benjamin Liming Zou‡ (Engineering)	Cole Aaron Nelson (Engineering)
Talk #9012 presented 7/25-8/01 virtually	Colin James Chambers† (Engineering JMHC)	Timothy Francis Hein (Engineering)
Talk #9013 presented 7/25-8/01 virtually	Kevin Ming Chang† (Engineering) Sabrina Chang‡ Aditya Krishnan Sivathanu‡ (Engineering)	James G Ogg (Science) Aaron C Ault (Engineering)
Talk #9014 presented 7/25-8/01 virtually	David Talabadze† (Engineering)	Shreya Ghosh (Engineering)
Talk #9015 presented 7/25-8/01 virtually	tri Than† (Engineering) Brady Owen Philhower† (Engineering) Rauf Emre Erkiletlioglu† (Engineering) Gilbert Chang† (Engineering)	Jacob Chappell (Engineering) Cole Aaron Nelson (Engineering) Boyuan Chen (Engineering)
Talk #9016 presented 7/25-8/01 virtually	Justin Yasuumi† (Engineering) Yi-Hsuan Cheng† (Science)	Mark Johnson (Engineering) Cole Aaron Nelson (Engineering)
Talk #9017 presented 7/25-8/01 virtually	Michael Jeffery Dick† (Engineering) William Milne‡ (Graduate)	Mark Johnson (Engineering)
Talk #9021 presented 7/25-8/01 virtually	Isabella Virginia Levine† (Engineering JMHC) Sayan Roy‡	Peter Bermel (Engineering)
Talk #9027 presented 7/25-8/01 virtually	Akshath Raghav† (Engineering) Anas Abughali* (Engineering)	Mark Johnson (Engineering)