
FALL

UNDERGRADUATE

RESEARCH

EXPO



November 19-26, 2024

Purdue University
West Lafayette, Indiana

SCHEDULE OF EVENTS

NOVEMBER 19, 2024 | PMU BALLROOMS

9:00AM-10:00AM Poster Session 1

10:30AM-11:30AM Poster Session 2

12:00PM-1:00PM Poster Session 3

1:30PM-2:30PM Poster Session 4

NOVEMBER 20, 2024 | STEW 214

9:00AM-5:00PM Research Talks

NOVEMBER 19-26, 2024 | ONLINE

Virtual presentations viewable at
[purdue.edu/undergrad-research/conferences/fall](https://www.purdue.edu/undergrad-research/conferences/fall)

We encourage those with a Purdue account to provide feedback.

To submit feedback, please scan this QR code with your device.



POSTER SYMPOSIUM

Posters are delivered in the Purdue Memorial Union North and South Ballrooms on November 19, 2024.
Posters sorted by first author's last name each session.

POSTER SESSION 1 | 9:00AM-10:00AM

- | | | | |
|------|---|------|--|
| 1000 | <i>Magdalena Irene Alvist†; McLayne Houin‡; Ian Alford‡</i>
Mentor(s): Conrrad Makea Rupe Nicholls;
Jeffery J H Nielsen | 1015 | <i>Katelyn Emily Bottando†; Grace Rentfro*</i>
Mentor(s): Sa Liu |
| 1001 | <i>Teagan Ames-Majeski†</i>
Mentor(s): Matthew Louis Scarpelli | 1016 | <i>Catherine Therese Nicole Bradley†; Gianna Marie Arnone‡</i>
Mentor(s): Diane Collard |
| 1002 | <i>Shreem Bhavesh Amin†; Jose Augusto Heighes Claux†; Max Elliott Matteucci†; Swati Raj Rajasekaran†</i>
Mentor(s): Matthew Lanham | 1017 | <i>Zachary V Bryant†</i>
Mentor(s): Riley Bradley Barta; Yash Shantilal Parmar |
| 1003 | <i>Niklas Eric Anderson†</i>
Mentor(s): Ryan B Wagner | 1018 | <i>Dawn Elaine Burch†; Georgia Jones†; Bodhi Alan Kuipert†; Kylie Shea Soniak†</i>
Mentor(s): Casie S Bass |
| 1004 | <i>Lillian M Andist†</i>
Mentor(s): Jonathan Pasternak; Alyssa Smith | 1019 | <i>Madison Nicole Butz†; Sydnee Noelle Culp†; Allison Grace Schimpff†; Connor J Smith†; Devin Brianna Thomas†</i>
Mentor(s): Casie S Bass |
| 1005 | <i>Ana Cristal Andrade Castaneda†; Dalena Mary Renee Matthews†; Emma Carosone†</i>
Mentor(s): Sarah Eason; Siqi Zhang | 1020 | <i>Ethan Joseph Chace†; Yuet Ching Jolie Lai†; Kailey Christina Dvorak†; Marvel Jiaxiang Zheng†</i>
Mentor(s): Niall Patrick Moloney |
| 1006 | <i>Alex Jameson Appiah†</i>
Mentor(s): Carla B Rosell | 1021 | <i>Christopher Timothy Chan†; Justin Song†; Niril Jestus†; Jacob Adam Clark†; Sabrina Louise Gray†; Mihika Sharma†</i>
Mentor(s): David Michael Barbarash |
| 1007 | <i>Megan Grace Ashby†; Evan James Campbell*; Delaney Alexandra Doncer*</i>
Mentor(s): Jonathan Pasternak; Sarah M Innis; Alyssa Smith; Dayeon Jeon | 1022 | <i>Shaan Jitesh Chanchani†; Aryan Amol Khanolkar†; Claire Seol Kim†; Joshua C Mansky†; Medhashree Parhy†; Armaan Arshad Sayyad†; Parth Thakre†</i>
Mentor(s): Amy R Reibman; Haoyu Chen |
| 1008 | <i>Megan Grace Ashley†; Abigail Joy Benham†; Sabrina Ann Blount†; Ashleigh P Thompson†; Dane' van Ghunt†</i>
Mentor(s): Casie S Bass | 1023 | <i>Maximilian Judah Chandra†; Mia Iwasa*</i>
Mentor(s): Kunming Shao |
| 1009 | <i>Shrivardhan Atluri†</i>
Mentor(s): Lisa B Bosman | 1024 | <i>Aditya Chattopadhyay†</i>
Mentor(s): Carla B Rosell |
| 1011 | <i>Cristian Marcos Barinaga†</i>
Mentor(s): Juan Camilo Mesa Agudelo | 1025 | <i>Chengyu Chiu†; Pin-Chen Su†; Yoshiki Takeuchi†; Qiming Chai†</i>
Mentor(s): Peter Bermel; Saeed Mohammadi; Frank Huang |
| 1012 | <i>Makaela Marie Bennett†; Grace Makenna Gonzalez†; Anthony John Grubert†; Mary Elizabeth Reeder†; Mackenzie Joy Shea†</i>
Mentor(s): Casie S Bass | 1026 | <i>Yashvi Choudhary†; Sadie A Poirier‡</i>
Mentor(s): Vanshika Gupta; Jeffrey Edward Dick |
| 1013 | <i>Dishan Bhattacharya†</i>
Mentor(s): Tyler Poore | 1027 | <i>Vinicius da Paixao Fernandes†; Drew Christopher Lawler†; Viva Parmar†; Athan Shuen Yang†</i>
Mentor(s): Matthew Lanham |
| 1014 | <i>Cole Emerson Blocher†; Elian David Coyotl Garcia†; Chanwoo Lim†; Cassius Samuel Sampson†; Ria Sinha†</i>
Mentor(s): Jesus Adrian Meza Galvan; Anthony G Cofer; Steven M Puglia; Alina Alexeenko | | |

† Presenting Undergraduate Author; ‡ Contributing Undergraduate Author; * Undergraduate Acknowledgment

- 1028 *Caleb Dai†; Ethan Mathew Lebon†; Cooper William Springs†; Zixiang Xia†*
Mentor(s): Matthew Lanham
- 1029 *Carla D'Amato†*
Mentor(s): Ruben C Aguilar
- 1030 *Deborah Mercylin David†*
Mentor(s): Carla B Rosell
- 1031 *Joshua Armstrong Davis†*
Mentor(s): Thomas H Siegmund
- 1032 *Alice Nha Thy Dinh†; Thomas John Durkin†; Jenna Grace Hash†; Isabella Kidrian McGuire†*
Mentor(s): Matthew Lanham
- 1033 *Rhea Dutta†*
Mentor(s): Lisa B Bosman
- 1034 *Hanna Joy Dykema†*
Mentor(s): Krishna Nemali
- 1035 *Deniz Eksioglu†*
Mentor(s): Hyowon Lee; Jae Young Park
- 1036 *Abigail Elizabeth Farler†*
Mentor(s): Michael Douglas Johnson
- 1037 *Elizabeth Christine Farrell†*
Mentor(s): Tyler Renee Pikes
- 1038 *Daniyal Fazal†; Harmon Howse†; Nicholas Marshall Andry†; Jayden Chun-Hin Chow†; Oliver J Wang†*
Mentor(s): Santiago Torres Arias
- 1039 *Roy Michael Galazka†*
Mentor(s): Abigail Polin
- 1040 *Beatriz Gimenez Cerezo†; Ty Emerson Schafert†; Cooper Jacob Wylie†*
Mentor(s): Matthew Lanham
- 1041 *Philip Edward Godette†*
Mentor(s): Panayota Y Mantzicopoulos-James
- 1042 *Lillian Grace Gogel†*
Mentor(s): Tzu-Wen Cross; Anna R Clapp
- 1043 *Paul Bradley Greenberg†; Juan Duarte Quiros**
Mentor(s): Andy Jung
- 1044 *Aramia Gutierrez†*
Mentor(s): Michael Douglas Johnson
- 1045 *Michael Louis Harrigan†*
Mentor(s): Jeffrey Edward Dick; Saptarshi Paul
- 1046 *Audrey Jean Heckel†*
Mentor(s): Andrew DeWoody
- 1047 *Amanda Joan Holmes†; Jacob Harlow Ehman†*
Mentor(s): Ali Bramson
- 1048 *Jacob Charles Humphrey†; Dilay AYGUN†; Huan Wen Mao†; Rakhmatillokhon Avazkhon u Abdubaev†; Hsun-Ti Chiang†; Charlita Sinmak†; Hao Tian Pang†; Ryan Prado Bailey†*
Mentor(s): Zhihong Chen; Joerg Appenzeller
- 1049 *Amanda Nicole Ibarra†*
Mentor(s): Panayota Y Mantzicopoulos-James
- 1050 *Levi M Johnson†*
Mentor(s): Kyle Timothy Faivre
- 1051 *Animesh Divekar Joshi†*
Mentor(s): Romila Pradhan
- 1052 *Christina Joslin†*
Mentor(s): Nadia Gkritza; Bruno cesar Krause moras
- 1053 *Shreyes Kanumuru†*
Mentor(s): Christopher Aaron Rice; Chenyang Lu
- 1054 *Daniel Ethan Kelley†*
Mentor(s): Craig Goergen; Cortland Hannah Johns
- 1055 *Puthimet Kitjaruwankul†; Chewon Yu Park†; Shrienidhi Gopalakrishnan†*
Mentor(s): Mark Johnson; Cole Aaron Nelson
- 1056 *Koon Joseph Klieopatinon†*
Mentor(s): Carla B Rosell
- 1057 *Ashwin B Kokate†*
Mentor(s): Carla B Rosell
- 1058 *Raina Kunder†; Christian Alexander Leidholm†; Bao Chau Chau Nguyen†; Alec Michael Waltert†*
Mentor(s): Matthew Lanham
- 1059 *Ying Yui Lai†; Sean Pruet†; Jackson Kent Thompson†; Zijing Zhang†*
Mentor(s): Matthew Lanham
- 1060 *Claire Anne LaVoie†; Conrad Sebastian Lin†; Ethan Christopher Marks†; Benjamin Albert Westreich†*
Mentor(s): Matthew Lanham
- 1061 *Michael Li†; Yash Singh†*
Mentor(s): Cole Aaron Nelson; Mark Johnson
- 1062 *Jessica Serena Jiayue Li†; Jingyu Xiao**
Mentor(s): Jinha Jung
- 1063 *Alen Santiago Lizarazo Osorio†; Felipe Ramirez Franco*; Yovani Garcia Munera**
Mentor(s): Jose M Garcia Bravo
- 1064 *Santino Basilio Macaggi†*
Mentor(s): Patrick James Cavanaugh; Jan-Anders E Mansson

- 1065 *Antonios Maniatis†; Rongbo Hu†; Leo Pearson Malachowski†*
Mentor(s): Timothy Francis Hein; Conor James Green; Mark Johnson
- 1066 *Kayla Elizabeth Manley†; Tanvir Kaur†; Madison Paige Ward†; Nishtha Singh†*
Mentor(s): Riley Bradley Barta
- 1067 *Adina Ioana Margineantu†; Mitchell Drew Finley†; Michael Vic Paulson†; Jishnu Ghosh†*
Mentor(s): Santosh Bhandari; Andreas Jung
- 1068 *Silvia Nathalia Martinez Calderon†*
Mentor(s): Rui Zhu
- 1069 *Vinay Sai Meda†; Tanishaa Shaht†; Samitha Ranasinghe†; Tiana Yi Jen Lin†; Samantha Sudhoff†*
Mentor(s): Yung-Hsiang Lu; Yeon Ji Yun
- 1070 *Grant Joseph Miller†; Joshua Decker Buss**
Mentor(s): Yubo Song
- 1071 *Andrew Evan Modin†*
Mentor(s): Shubhanshu Agarwal; Rakesh Agrawal
- 1072 *Viswanath Jay Nair†; Sahil Maurice†; Oliver Joo Sung Johnson†*
Mentor(s): Matthew Lanham
- 1073 *Jillian New†*
Mentor(s): Yuk Fai Leung; Beichen Wang
- 1074 *Ji Bing Ni†*
Mentor(s): Junfei Li
- 1075 *Owen T Odney†*
Mentor(s): Abigail Polin
- 1076 *Sidney Nicole Panaretos†; Megan Elizabeth Hines†; Sydney D Anderson†; Haley Marie Morgan†; Alexis Ann Evans†*
Mentor(s): Casie S Bass
- 1077 *Joon Hong Park†; Pranav Punuru‡*
Mentor(s): Daisuke Kihara
- 1078 *Allison Renee Peterson†; Gwyneth Wong*; Emelia Koester**
Mentor(s): Stephanie M Gardner; Jillian Cornell
- 1079 *Rachel Pfeifer†*
Mentor(s): Sudip Vhaduri
- 1080 *Maria Pundik†; Chelsea Tinsley*; Kendal ZaiSi Tinsley**
Mentor(s): Clark C Addis; Andres Arrieta Diaz
- 1081 *Sarah Pushparaj†*
Mentor(s): Wenzhuo Wu
- 1082 *Jonathan D Putman†; Jacob Henning Deahl†; Bocheng Wang†*
Mentor(s): Matthew Lanham
- 1083 *Lea Nikole Quiroa Lopez†; Juan Pablo Melgar Feregrino†*
Mentor(s): Garam Kim; Eduardo Barocio Vaca
- 1084 *Felipe Ramirez Franco†; Alen Santiago Lizarazo Osorio*; Yovani Garcia Munera**
Mentor(s): Vijay Gupta
- 1085 *Architha Rao†*
Mentor(s): Carla B Rosell
- 1086 *Ruby Catalina Rodriguez Diaz†*
Mentor(s): Stephen B Goodwin
- 1087 *Alejandro Sebastian Sanchez Garza†; Cameron J Hartsfield†; Luis Carlos Nino Cabello†*
Mentor(s): Eduardo Barocio Vaca
- 1088 *Maharsh Bhavesh Shaht†*
Mentor(s): Carla B Rosell
- 1089 *Elliott Shif†*
Mentor(s): Michelle Marian Garrison
- 1090 *Devin Singh†; Vidisha Singhal†; Michael Jeffery Dick†; Luca Renato Simoni†; Andrew Michael Lykken†*
Mentor(s): Cole Aaron Nelson; Mark Johnson; Jacob Chappell; Conor James Green
- 1091 *Nora Jacques Siri†; Andrew Earl Medlynt†; Joseph Talon Vesco†; Muhammad Rifqi Priatama Sambodo†; Albertus Magnus Ethanael Nusawardhana*; Dylan Richard McCool*; Brandon William Davis*; Nathan Jaekun Lee**
Mentor(s): Niall Patrick Moloney
- 1092 *Lawrence Folsom Smith†; Hyeonwoo Heo†; Joshua Peter LeBlanc†; Nathanael Aou†; Rohan Chandra Mudugere‡; Kyle John Massie‡*
Mentor(s): James C Davis
- 1093 *Nathaniel A Smith†*
Mentor(s): Dali Lai
- 1094 *Rebekah Marie Spieth†; Ashlyn Nichole Ann Denny†*
Mentor(s): Daniel William Oesterle; Christopher I Eckhardt; Niamh Christie
- 1095 *Patrick Randall Spillman†; David Wesley Thoe†; Aditya Verma†; Richard Ye†; Samuel Elijah Nadol†*
Mentor(s): Shreya Ghosh
- 1096 *Nolan Cai Tai†*
Mentor(s): Carla B Rosell

- 1097 *Austin Robert Tanabe†; Daniel Russell Cline†; Collin Jayson Kao**
Mentor(s): Kari L Clase; Aaron J Gin; Amanda K Limiac
- 1098 *Eduard Filip Tanase†; Aiden Hughes Sexton†; Alexander Thomas Aylward†; Cecillie Zhang†; Alexander Raffaele Ciccarelli†; Khanh Nam Nguyen†*
Mentor(s): Cole Aaron Nelson; Mark Johnson
- 1099 *Benjamin Anderson Tofil†; Gangsan Lee†; Brian Martin Dodd†; Neha Saleha†; Alexandre Chan Tome†; Cheong Eun Kim†; Sang Soo Ha†*
Mentor(s): Feichi Huang
- 1100 *Dhruv Upreti†*
Mentor(s): Alex Ruichao Ma
- 1101 *Daniel Urdaneta Giraldo†*
Mentor(s): Samira Piltan; Andrea L Kasinski
- 1102 *Paula Andrea Vargas Carranza†*
Mentor(s): Anthony Joseph Murphy; Jason Hanna
- 1103 *Malachi Israel Vincent†*
Mentor(s): Panayota Y Mantzicopoulos-James
- 1104 *Amber Voigtschild†*
Mentor(s): Roland Conrad Wilhelm
- 1105 *Natalia Vujic†*
Mentor(s): Yihao Chen; Gaurav Chopra
- 1106 *William Samuel Walker†; Abiram S Gurijala‡*
Mentor(s): Nachiket Vatkar; Wenzhuo Wu
- 1107 *Michelle Wan†*
Mentor(s): Stewart C Chang Alexander
- 1108 *Madison Paige Ward†*
Mentor(s): Riley Bradley Barta
- 1109 *Bruce Daniel Ward†; Rachel Pinto†*
Mentor(s): Jeffrey R Lucas; Jonathan B Jenkins
- 1110 *Emma Warnock†*
Mentor(s): Panayota Y Mantzicopoulos-James
- 1111 *Renzhi Yongtian†; Rauf Emre Erkiletlioglu‡; Tei Okamoto*; Weijing Sebastian Chen*; Anika Bajpai*; Aditya S Hebbani**
Mentor(s): Mark Johnson; Matthew A Swabey
- 1112 *Radman Tor Zarbock†*
Mentor(s): Philippe Pastor
- 1113 *Quqi Zhang†*
Mentor(s): Tanner James Ballance
- 1114 *Daniel Felipe Zuniga Hurtado†; Camilo Delgado Burbano‡*
Mentor(s): Young-Jun Son

POSTER SESSION 2 | 10:30AM-11:30AM

- 1200 *Addison Nicole Acreef†*
Mentor(s): Beth Elly Baumgartner
- 1201 *Colby Ben Acton†; Gaetano Antonio Iannotta†; Aditi Anand†; Branton Ling‡; Evan Alexander Zhang‡; Gaurish Lakhnpal‡; Michael Suo‡; Apostolos Adam Cavounis‡; Purav Matlia‡; Rohini Pillai‡; Ruhaan Batta‡; Samarth Prashanth‡; Shih-Yao Sun‡*
Mentor(s): Qiang Qiu; Wei Zakharov; Zichen Miao
- 1202 *Maria Paula Armenta†*
Mentor(s): Sebastien Helie
- 1203 *Tina Atmani†; Lana Malek†; Xiuyu Shi†*
Mentor(s): Kari L Clase; Ruba Ahmad Qwai Alajlouni; Amanda K Limiac
- 1204 *Olivia Eugenia Avalos Villar†*
Mentor(s): Carla B Rosell
- 1205 *Catalina Bautista Parra†*
Mentor(s): Greg M Michalski
- 1206 *Alexis Lucille Ador Bernal†; Manya Devang Kadiwala†*
Mentor(s): Kari L Clase; Julia Ann Simler; Amanda K Limiac
- 1207 *Joel Nicholas Berringer†*
Mentor(s): Panayota Y Mantzicopoulos-James
- 1208 *Dillon Seamus Blair†; Gabriel L Ponsott†; Filippa Maria Rodriguez Pinzon†; Colin Lucas Wellington†*
Mentor(s): Matthew Lanham
- 1209 *Livia Marie Bogdan†*
Mentor(s): Angeline M Lyon; Kadidia Samassekou
- 1210 *Ryan L Bottini†; Manila Kunwar†*
Mentor(s): Nien-hwa L Wang; Clayton C Gentilcore
- 1211 *Pranav Boyapati†*
Mentor(s): Carla B Rosell
- 1212 *Luke Anthony Braun†*
Mentor(s): Panayota Y Mantzicopoulos-James

- 1213 *Bernardo Cabral Alves da Costa†*
Mentor(s): Carla B Rosell
- 1214 *Juan Pablo Camacho Arias†*
Mentor(s): Randolph Duane Hubach
- 1215 *Juan Pablo Cantu Erhard†; Robert Pedro Chambers†; Michael Poliakov†; Tomas Turnert*
Mentor(s): Matthew Lanham
- 1216 *Daniel Michael Carrel†*
Mentor(s): Brady Robert Layman; Jeffrey Edward Dick; Megan Leigh Hill
- 1217 *Hannah Carreon†*
Mentor(s): Jennifer Lynn Brown
- 1218 *Samuel Castro Martinez†*
Mentor(s): Torsten Reimer
- 1219 *Caroline Grace Chandler†; Vincent Simon Knizka‡*
Mentor(s): Ketaki A Mahurkar; Angeline M Lyon
- 1220 *Kevin Ming Chang†; Aditya Krishnan Sivathanu†; Samyukta Balaji**
Mentor(s): James G Ogg; Aaron C Ault
- 1221 *Ojas Chaturvedit†; Kayshav Bhardwaj†; Vincent Wentao Zhao†; Max Yu Zhen Chen‡; Luke Jaehyeon Choi*; Parv Kumar*; Minh Le Vu*; Minh Binh Tran*; Tri Quang Vo*; Pranesh S Velmurugan*; Andrew J Achkar*; Bryan Christopher Yoo**
Mentor(s): Yung-Hsiang Lu; Yeon Ji Yun
- 1222 *Yi-Huan Chen†; Ching-Hsiang Huang†*
Mentor(s): Shreya Ghosh
- 1223 *Daniel Choi†; Hassan Al-alawit†; Hunter A Mccollough†; Abhiram Saridena†; Viet Khoi Pham Khac†; Akhilesh Prasad†; Abhijay Achukola†; Kshitij Miraj Shah†; Phone Myat Paing†; Jerry Ronald Chen†; Justin Yasuumi†; Charles Spencer Bowles†*
Mentor(s): Sooraj Chetput Venkataraghavan; Mark Johnson
- 1224 *Easton Ludeman Clark†; Aidan P Pender†; Anshuman Samanta†*
Mentor(s): Niall Patrick Moloney
- 1225 *William Rowan Cunningham†; Kathy Niu†*
Mentor(s): Cole Aaron Nelson; Mark Johnson
- 1226 *Ronald Anton Cutler†*
Mentor(s): Julia Laskin; Bethany Ana Phillips
- 1227 *Alexis Nicole Daigle†*
Mentor(s): Michael Douglas Johnson
- 1228 *Bianca de Paula Macedo†*
Mentor(s): Karthik Sankaranarayanan; Olga Costa Alves Souza
- 1229 *Delaney Alexandra Doncert†*
Mentor(s): Jonathan Pasternak; Sarah M Innis; Alyssa Smith; Dayeon Jeon
- 1230 *Jacob Harlow Ehma†; Amanda Joan Holmes‡*
Mentor(s): Ali Bramson
- 1231 *Mahsa Farahanit†*
Mentor(s): Ruben C Aguilar
- 1232 *Maximillian Francis Farrell†; Arnav Naval†; Matthew Alvarez Hackett†; Shreya Laxmi Nagendra†; Genna Nicole Yavaraskit†; Jason Dumauval Lyst†; Tanek Malhotra†; Parth Kapila†; Aniruddh Srivastava†*
Mentor(s): Matthew A Swabey; Jaeun Kim
- 1233 *Aiden Michael Fernandest†; Erwin Trong Luu†*
Mentor(s): Anthony Gabriel Mena
- 1234 *Ethan Phillip Foster†*
Mentor(s): Cortland Hannah Johns; Craig Goergen
- 1235 *Ethan Burke Fox†; Alexander Stephen Haynest†*
Mentor(s): Daniel B Raudabaugh; Mary Aime
- 1236 *Alaina Rose Gartner†*
Mentor(s): Leonor Maria de Fatima Chagas Boavida
- 1237 *Aaditya Gaur†; Zay Linn Htet†; Christina Zhang†*
Mentor(s): Zijian He
- 1238 *Angelica Sofia Gonzalez-Ng†; Maria Macias‡; Tatiana Zuluaga Vargas**
Mentor(s): Madison Mckensi Howard; Luis Solorio
- 1239 *Gabriel Goodwin†*
Mentor(s): David D Nolte
- 1240 *Kaitlyn Nicole Gregerson†*
Mentor(s): Bridgette Kelleher
- 1241 *Bobby Gu†; Alexander Jonathan Collinst†; Neal Noel Lobo†; Pratham Patil†; Dean Michael La Point†; Jeet Brahmhatt†*
Mentor(s): Shreya Ghosh
- 1242 *Sofia Guevara Montoya†*
Mentor(s): Dimitrios Giannios; Zhaofeng Wu
- 1243 *Anjali Devi Gupta†*
Mentor(s): Bryan J. Duarte
- 1244 *Priyam Gupta†*
Mentor(s): Jenna L Wise DiVincenzo

- 1245 *Charlotte Marian Harkins†*
Mentor(s): Panayota Y Mantzicopoulos-James
- 1246 *Augustus George Hayes†*
Mentor(s): Carla B Rosell
- 1247 *Aditya S Hebbani†; Rauf Emre Erkiletlioglu‡; Tei Okamoto*; Weijing Sebastian Chen*; Anika Bajpai*; Renzhi Yongtian**
Mentor(s): Mark Johnson; Matthew A Swabey
- 1248 *Natalie Chyrystine Hoffman†*
Mentor(s): Brent Benjamin Bachman; Kimberly Kinzig
- 1249 *Brogan John-Michael Holt†; Jayee Goh†; Kaylie Emerson Virkust†; Shashank Varamballi†; Patricia Ewa Leoniuk†; Olivia Chen†; Gowri Ravikumar Bajagurt†; Saanvi Mahesh†; Marina Mercedes San Martin Rossano†; Pradyumn Malik†; Shrikar Hippargit†; Isaac Yan Shek Cheng†; Jijnasu Prakash Rout‡; Atandriela Chowdhury‡; Ashton Anthony Price‡; Joseph Chelliah‡; James Burrell Hewette‡*
Mentor(s): John W Sheffield
- 1250 *Cho-Yi Hsieh†; Ho Jun Lee†; Cecilie Reingaard Wiuff†; Aidan Iachini Broy†; Jou-Ting Lai†*
Mentor(s): Peter Bermel; Zhiyuan Wei; Saeed Mohammadi
- 1251 *Marielle G Jackson†*
Mentor(s): Hilikka I Kenttamaa; Grace Emma Greene
- 1252 *Ritwik Suresh Jayaraman†; Aman Katyal†; Azain Khalid†; Chiraag Shashi Kumar†*
Mentor(s): Andres Felipe Hoyos Moreno; Samuel Labi
- 1253 *Madison Sofia Kauling†*
Mentor(s): Carla B Rosell
- 1254 *Tanvir Kaur†*
Mentor(s): Riley Bradley Barta; Kyle Allen Shepard
- 1255 *Sirish Meher Reddy Kayam†*
Mentor(s): Vanshika Gupta; Jeffrey Edward Dick
- 1256 *Shashwath Keta†; Alacya Madison Lynch†; Colin R Nixon†; Qixue Zheng†*
Mentor(s): Matthew Lanham
- 1257 *Junyoung Kim†; Christian A Choi†*
Mentor(s): Samuel Labi; Andres Felipe Hoyos Moreno
- 1258 *Yumin Kim†; Ryan Matthew Yatco Wong†; Adam James Smith†; Alexander Thomas White†*
Mentor(s): Matthew Lanham
- 1259 *Alexander Kmetko†; Jonah P Lovitz†; Joseph John Forster†; Chase Nicholas Hamdan†*
Mentor(s): James Michael Goppert
- 1260 *Kylie M Lachapelle†; Saheli Minesh Parikh†; Aditya Ujwal†; Simon Paul Mitchell†; Megan E Power†; Nithin Krishna Veeramasoneni†*
Mentor(s): Kathryn Frances Dilworth
- 1261 *Ray Wai-Keung Lai†*
Mentor(s): Zhong-Yin Zhang; Jinmin Miao
- 1262 *Gabrielle Elizabeth Layman†; Shlok Rajesh Kulkarni†; Zachary Traina†*
Mentor(s): Jeffrey M Haddad
- 1263 *Declan Leaird†; William Isaiah Need**
Mentor(s): Hannah Elise Starr
- 1264 *Elliana Rose Lemberist†; Nadia Helen Whalant†*
Mentor(s): Somali Chaterji
- 1265 *Yinuo Liu†; Shreya Maganti†; Anisha Kumar†; Yash Handa†*
Mentor(s): Matthew Lanham
- 1266 *Anna Judy Lozent†*
Mentor(s): Ximena Bernal; Richa Singh
- 1267 *Nachiket Magesh†*
Mentor(s): Qi Dong; Abhirup Sen
- 1268 *Kayla Elizabeth Manley†; Tanvir Kaur*; Nishtha Singh*; Madison Paige Ward**
Mentor(s): Riley Bradley Barta; Kyle Allen Shepard; Ganesh Brammanayagam venkatesan
- 1269 *Stan Melkumian†*
Mentor(s): Jacob Robert Montrose; Garam Kim; Timothy D Ropp
- 1270 *Ivan Mateo Meneses Rivera†*
Mentor(s): Aishwarya Vijayan Menon; Julie C Liu
- 1271 *Andres Felipe Monsalve Arango†*
Mentor(s): Hannah M Woods
- 1272 *Mariana Moreano Acevedo†*
Mentor(s): Darcy E P Telenko
- 1273 *Thomas Munson†; Maxwell Christopher Sprague†; Nathan Alexander Kilmer†; Alec Chong Peng†*
Mentor(s): Timothy Francis Hein
- 1274 *Khanh Ha Nguyen†*
Mentor(s): Sandro Matosevic; Soumyajit Das
- 1275 *Ogechukwu Veronica Nnatubeugo†*
Mentor(s): Panayota Y Mantzicopoulos-James
- 1276 *Isis Atenea Ocegueda Medina†*
Mentor(s): Catherine L Searle

- 1277 *Rafael Obici de Oliveira†*
Mentor(s): Carla B Rosell
- 1278 *Mia Cynthia Pfeiffer‡; Anne Flynn Campbell‡;
Collin Jayson Kao‡*
Mentor(s): Kari L Clase; Julia Ann Simler;
Amanda K Limiac
- 1279 *Brooke Allison Pilkey‡; Shreya Joshy‡*
Mentor(s): Rebecca Lynn Leuschen-kohl; Anjali
Iyer-Pascuzzi; Stephen R Lindemann; Rwivoo
Baruah
- 1280 *Katherine Alfreda Poirier‡; Lauren Elizabeth
Bhat‡; Lauren Marie Schinker‡*
Mentor(s): Kari L Clase; Somali Chaterji; Julia
Ann Simler; Amanda K Limiac
- 1281 *Aakarsh Nagendra Rai‡; Donald Alexander
Weintz‡; Jianing Wang‡; Aditya Mallepalli‡;
Preetham Reddy Yerragudi‡*
Mentor(s): Edward J Delp; Carla Zoltowski
- 1282 *Ana Carolina Ramirez Gonzalez‡*
Mentor(s): Greg M Michalski
- 1283 *Miranda Ramos Campost‡*
Mentor(s): Thaisa M Cantu Jungles
- 1284 *alexander Ramsey‡; Rachel Elizabeth
Michaelis‡*
Mentor(s): Karen A Hudson; Militza Carrero-
Colon
- 1285 *Atharva S Rao‡; Moeyad OmerAbdalla Omert‡;
Avanish Karlapudi‡; Dogyu Ryu‡*
Mentor(s): Om P Kotwal; Vishnu Chaithanya
Lagudu; Isaac P Hagedorn
- 1286 *Utkarsh Rastogi‡*
Mentor(s): Carla B Rosell
- 1287 *Partha Rathit‡; Dat Hien Tieu‡; Jason
Zhengxuan Huang‡; Cassandra Lobo
Gonzalez‡; Kai Yet‡*
Mentor(s): Kevin T Lee
- 1288 *Collin Thomas Reagin‡*
Mentor(s): Regan Michelle Honeycutt
- 1289 *Elizabeth G Ruckle‡; Ceylon Michelle Wargo‡*
Mentor(s): Inna Abramova
- 1290 *Adam Jair Selby‡*
Mentor(s): Junfei Li
- 1291 *Ranav Sethi‡; Robert M Rattray‡; Rohit
Kannan‡; Ping-Hung Nick Ko‡*
Mentor(s): Yeon Ji Yun; Yung-Hsiang Lu
- 1292 *Ace Setiawan‡; Leila Nicole Yee‡; Ethan
Broderick Gartner‡; Ryan Andrew Leighton‡*
Mentor(s): Matthew Lanham
- 1293 *Aarav Singh‡*
Mentor(s): Carla B Rosell
- 1294 *Thomas Anthony Slamecka‡*
Mentor(s): Jeffrey Miles Gerber
- 1295 *Elizabeth Soller‡; Priscilla Amaya Gallardo‡*
Mentor(s): Bridgette Kelleher; Wei Siong Neo
- 1296 *Sara Thomason‡; Zhiyuan Chen‡*
Mentor(s): Kari L Clase; Julia Ann Simler;
Amanda K Limiac
- 1297 *Gaurav Vermani‡; Ryan Alexander Kubinski‡*
Mentor(s): Aravind Machiry; Shashank Sharma;
Ayushi Sharma
- 1298 *Jingyu Xiao‡; Jessica Serena Jiayue Li‡*
Mentor(s): Jinha Jung; Fatemeh Azimi
- 1299 *Jeslyn Cheng Yang‡; Brian Ross Ramos‡;
Angela Qian‡; Jacob Ray Morales‡; Ramsey
Daniell‡; Alessandra Rice‡*
Mentor(s): Soudabeh Taghian Dinani; Carla
Zoltowski; Zheyuan Zhang; Edward J Delp
- 1300 *Ryan Zhe-Wei Yang‡*
Mentor(s): Carla B Rosell
- 1301 *Yao Yao‡; Ramsey David Frederick Millert‡*
Mentor(s): Jennifer Lynn Brown; Luis A Gomez;
Stephen Allan Paul Beegle; McKalaih Elizabeth
Legault
- 1302 *Vicky Zheng‡*
Mentor(s): Suilan Zheng

West Point Presentations (in collaboration with the Purdue Military Research Institute)

- 1303 *Isaac Folorunso‡*
Mentor(s): John Borger
- 1304 *Bryan Frost‡*
Mentor(s): John Borger; Andrew James Banko
- 1305 *Owen Hodgest‡; Keiko Yamamoto**
Mentor(s): Joseph Speight
- 1306 *Jacob Hyatt‡*
Mentor(s): James Grymes

SCALE Heterogeneous Integration and Advanced Packaging (HI-AP) Presentations

- 1307 *Caroline Marie Cameron‡*
Mentor(s): Shubhra Bansal; Jakob Isaiah Ramos
- 1308 *Ethan Christian Christie‡*
Mentor(s): Shubhra Bansal; Huilong Liu; Bijay
Chhetri

- 1309 *Luke Joseph Fortner†*
Mentor(s): Muhammad A Alam; Md Asaduz Zaman Mamun
- 1310 *Siddharth Gaur†; Franco Harding Garcia†*
Mentor(s): Saeed Mohammadi
- 1311 *Parker Joseph Jeffrey†*
Mentor(s): Shubhra Bansal; Faharia Hasan Bhuiyan; Haohan Guo
- 1312 *Alexander Hanson Lam†*
Mentor(s): Ketankumar Jayantkuma Yogi

- 1313 *Ho Jun Lee†; Geetika Chittur†*
Mentor(s): Haitong Li; Jun Cai
- 1314 *Colton Pierce Lennen†; Caleb Michael Brazier**
Mentor(s): Lijia Xie; John E Blendell
- 1315 *Ian Quant†*
Mentor(s): Tiwei Wei; Ketankumar Jayantkuma Yogi
- 1316 *Ethan Xinghan Tan†*
Mentor(s): Saeed Mohammadi
- 1317 *Mark Joseph Tereck†*
Mentor(s): Shubhra Bansal; Bijay Chhetri

POSTER SESSION 3 | 12:00PM-1:00PM

- 1400 *Yaqeen Al Futaisi†; Peter Abernethy Krivack†; Elijah Robert Windle†; Kuiyan Zhao†*
Mentor(s): Matthew Lanham
- 1401 *Omar Haytham Al Hussein†; Qeren Isabella-Nailah Blakey†; Olivia Francis Hojnicky†; Marshall Alex Prince†*
Mentor(s): Matthew Lanham
- 1402 *Achyuth Balram Ambady†; Harshini Malavannan†; Arnav Singh†; John Martin Strabala†*
Mentor(s): Matthew Lanham
- 1403 *Kaitlyn Marie Annunziata†*
Mentor(s): Daniel B Raudabaugh; Mary Aime
- 1404 *Yash Rajendra Ashtekar†; Utkarsh Bali†*
Mentor(s): Pengyi Shi
- 1405 *Nihar Pushkar Atri†*
Mentor(s): Madhumathi Ponnusamy; Shan Zhou; Gaurav Nanda
- 1406 *Ekam Bhullar†*
Mentor(s): Carla B Rosell
- 1407 *Nicolo Roberto Chuapoco Biscocho†; Ryo Hasegawa†; Emeline Marie Papp†; Elliot Joseph Surnamer†*
Mentor(s): Matthew Lanham
- 1408 *Caleb Zachariah Brunton†; Nelson A Paguada†; Neha A Venkatraman†*
Mentor(s): Matthew Lanham
- 1409 *Jose Jorge Bueso†; Mia Claire Dunsmore†; Mitchell Louis Rittman†; Olivia Kylie Troy†*
Mentor(s): Matthew Lanham
- 1410 *Joshua Decker Buss†; Grant Joseph Miller**
Mentor(s): Tiwei Wei

- 1411 *Zhixin Cai†; Keith Meyers**
Mentor(s): Kristen Marie Bellisario; Christine Harrison Elliott
- 1412 *Gael Calderon Sermeno†; Reese Caroline Pinkley†*
Mentor(s): Stewart C Chang Alexander
- 1413 *Evan James Campbell†; Delaney Alexandra Doncer*; Megan Grace Ashby**
Mentor(s): Jonathan Pasternak; Sarah M Innis; Dayeon Jeon; Alyssa Smith
- 1414 *Aniket Chatterjee†*
Mentor(s): Mark Johnson; Cole Aaron Nelson
- 1415 *Yu-Wei Cheng†*
Mentor(s): Ximena Bernal; Richa Singh
- 1416 *Arunima Chowdhury†; Marisa Jean Fredrickson†; Aryan Kaul†; Amber Kuo-iwa Khauv†; Hridhay Monangi†; Dean Snyder†; Sophia Elizabeth Steele†; Taryn Celia Zakrzewski†; Matthew Dharma Kurniawan†; Mark Alexander Myers†; Aaron Parihar†; Kyle Patrick Fox†; Daitian Zhao†*
Mentor(s): Renee Murray; Frederick C Berry
- 1417 *Amiah Bailey Clevenger†*
Mentor(s): Wonki Lee; Nathan Mentzer; Andrew Jackson; Scott Ronald Bartholomew
- 1418 *Gisselle Cordoba†*
Mentor(s): Kathryn Jean LaRoche
- 1419 *Felipe da Paixao†*
Mentor(s): Shreya Ghosh
- 1420 *Aryan Daga†*
Mentor(s): Carla B Rosell
- 1421 *Leo Deng†; Chien Chou Ho†; Rishi Mantri†; Arjun Sandeep Gupta†*
Mentor(s): James C Davis; Huiyun Peng

- 1422 *Dhruv Vishal Dhawan†*
Mentor(s): Chao Cai
- 1423 *Abigail J Dressman†*
Mentor(s): Sunghee Park
- 1424 *Prakhar Drolia†*
Mentor(s): Carla B Rosell
- 1425 *Tatum Reese Ebbeskotte‡; Sophie Kaitlyn Stahl**
Mentor(s): Leanne Nieforth
- 1426 *Kyle Steven Emgenbroich†; Marco Ryan Bravo†; Orion Matthew Barrett-Tzannes†; Hunter McCormick Danton†*
Mentor(s): Matthew Lanham
- 1427 *Keeley Vonne Farmer†*
Mentor(s): Jeffrey Edward Dick; Dane Christophe Wagner; Mobina Masdari
- 1428 *Evelyn Hanson Frank†; Jacoba Marlene Babin†*
Mentor(s): Bridgette Kelleher; Lyndsey Nicole Graham
- 1429 *Raul Hector Fuentes Hernandez†; Ivan Gregorio Vega Campast*
Mentor(s): Eduardo Barocio Vaca; Jalil Francisco Francisco Chavez Galaviz
- 1430 *Anaelle Gackiere†*
Mentor(s): Christopher I Eckhardt; Daniel William Oesterle
- 1431 *Daniel Robert Gallagher†; Ronak Bhagia†; Mansi Shakalya†; Huei Syuan Chiang†*
Mentor(s): Matthew Lanham
- 1432 *Justin Zijie Gan†; Sahithi Gokavarapu†; Pranati Patchigolla†*
Mentor(s): Andres Felipe Hoyos Moreno; Samuel Labi; Richard Osita Ajagu
- 1433 *Arya Garg†; Yujie Huang†; Aryaa Madant†; Ethan Brian Kobylinski†*
Mentor(s): Matthew Lanham
- 1434 *Kush Gogia†; Christopher Michael Sigmund†; Ilhoon Lee†*
Mentor(s): James C Davis
- 1435 *Saloni Gupte†*
Mentor(s): Hayagreev Vadhiraaj Sarma Keri; Scott R Pluta
- 1436 *Bek Hamelin†*
Mentor(s): Andrew T Flachs
- 1437 *Bennett Michael Hanan†; Margulan Mukhametkarim†; Benjamin Harris Ciliberto†; Ridge McCain Blankenship†; Alexander T Valdes‡; Nicholas Keir Wade‡; Andrew Joseph Shelley‡; Alexander Kmetko‡; Liam M McCormack‡*
Mentor(s): Brittany A Newell; Richard M Voyles; Samuel Labi
- 1438 *Mya E Hardin†; Ryan Michael Sagendorph†; Christina Wan†; Peregrine Zhang†*
Mentor(s): Matthew Lanham
- 1439 *Nolan Lee Hardman†; Jacob Henry Rikkola†; Adrienne Dale Torres Balahadia†; Bader Emad Abu-Shanab†; Zilan Patel†; James M Scanlan†; Aaditi Anupam Vaval†*
Mentor(s): Afshin Izadian; Christine Taylor; Arvind Krishna Radhakrishnan
- 1440 *Michaela Danielle Headlee†*
Mentor(s): Michael Douglas Johnson
- 1441 *Ian William Hedges†; Somin Yang†; Kyle Anthony Fernandez†; Mackenzie Elizabeth Arnish†*
Mentor(s): Matthew Lanham
- 1442 *Hailey Choi Hiatt†*
Mentor(s): Hannah Elise Starr
- 1443 *Katie Luo Hong†; Sierra Hunnicutt‡; Abigail Rose Malott‡; Antonia Christina Alexiou*; Sabrina Michelle Hardy*; Vaishnavi Purram**
Mentor(s): Kristen Marie Bellisario
- 1444 *Sarah Elizabeth Kady†*
Mentor(s): Michael Douglas Johnson
- 1445 *Roma Nandan Kamatt†*
Mentor(s): Daniel J Foti; Roslyn B Harold
- 1446 *Colin Francis Kelly†*
Mentor(s): Melanie M. Beasley
- 1447 *Azain Khalid†; Jack Harrison Reynoldst†; Kushal Venkata Peddakotla†; Aiden M Hudson†; Bailey Marie Jones†*
Mentor(s): Robin Carpenter; Andy Jung
- 1448 *Devansh Khandelwal†; Dinh Huy Tuan Nhu†; Arnav Daryani†; Jeffrey Jingwei Wu†*
Mentor(s): Edward J Delp; Carla Zoltowski
- 1449 *Seeun Kim†*
Mentor(s): Dali Lai
- 1450 *Jolie Grace Klimczak†*
Mentor(s): Emma Maggart
- 1451 *Anna G. Klupshast†*
Mentor(s): Jan-Frederik Schulte

- 1452 *Tess Elaine Kort†*
Mentor(s): Michael Douglas Johnson
- 1453 *Linnaea Eileen Krupke†*
Mentor(s): Kimberly Kinzig
- 1454 *William Lee†*
Mentor(s): Junfei Li
- 1455 *Laurian Kate Lien†*
Mentor(s): Kurt Ristroph; Lucas Johnson
- 1456 *Wesley Matthew Lin†*
Mentor(s): Cody Juguilon
- 1457 *Emily Loiselle†; Joseph Huang†; Nandini Mukul Pandey†; Rahul Sasi Menon†; Chaeun Kim†*
Mentor(s): Edward J Delp; Carla Zoltowski; Fengqing Zhu
- 1458 *Alberto Lopez Martinez Rojast; Anna Alysse Kavanaugh†*
Mentor(s): Mark R Christie
- 1459 *Adam Timothy Mack†*
Mentor(s): Muhammad A Alam
- 1460 *Elias Malak†; Taran Reddy Kamireddy†; Nicholas John Albrecht†; Nadia Bailen Boluda†; Samarth Bhat†; Cooper Lee Cotton†; Lara Nour Courgi†; Luke Davis†; Tamara Shakri Houran†; Pratika Kumar†; Jakob Eric Mikolajczyk†; Gema Roselyn Parra†*
Mentor(s): Ken Yoshida; Steve Higbee
- 1461 *Eleanore Margaret Malinowski†*
Mentor(s): Clint C S Chapple; Chase Taylor Hearn
- 1462 *Hannah Jordan Margulis†*
Mentor(s): Frederick Prete
- 1463 *Grayson Montgomery McCard†*
Mentor(s): Jennifer Lynn Brown; Luis A Gomez; Stephen Allan Paul Beegle
- 1464 *Mihir Menon†; Albert Joseph Burton†; Varun Anand†; Owen Kenneth Schafert†*
Mentor(s): Matthew Lanham
- 1465 *Leah Margaret Miles†; Jessica Susan Wallace†*
Mentor(s): Panayota Y Mantzicopoulos-James
- 1466 *Rafael Monteiro Martins Pinheiro†; Miguel Isrrael Teran†*
Mentor(s): Mark Johnson; Timothy Francis Hein
- 1467 *Ishita Mukadam†*
Mentor(s): Mrudula Mukadam
- 1468 *Iris Georgina Ocegueda Medina†*
Mentor(s): Vikki Marie Weake
- 1469 *Tovia Grace Owenst*
Mentor(s): Rose Prabin Kingsly Ambrose
- 1470 *Caroline Rhea Packee†; Emma Swanson†; Avery Grace Brubaker†; Evan Graham Coblantz†*
Mentor(s): Monica Kasting; Shandey Derisa Malcolm; Samantha L. Ky
- 1471 *Aadya Pandey†*
Mentor(s): Andrea L Kasinski; Samira Piltan
- 1472 *Kiersten Mackenzie Penquite†*
Mentor(s): Lisa B Bosman
- 1473 *Marili Carmen Perez†; Aryan Pratik Kodial†; Cole Bushell†; James William Pope†*
Mentor(s): Matthew Lanham
- 1474 *Sophia Pirela†*
Mentor(s): Annabel Biruete
- 1475 *Sadie A Poirier†; Yashvi Choudhary†*
Mentor(s): Vanshika Gupta; Jeffrey Edward Dick
- 1476 *Jeeranun Poopanead†*
Mentor(s): Lisa B Bosman
- 1477 *Sudarmadhi Rabindran†*
Mentor(s): Alexey Shashurin; Steven M Pugia; Keegan Franics Chavez
- 1478 *Ana Elena Pasion Rojast*
Mentor(s): Stewart C Chang Alexander; Pamela Sari
- 1479 *Braxton J Schielert†*
Mentor(s): Leanne Nieforth
- 1480 *Sarah Schloff†*
Mentor(s): Dianne Little; Paula A Sarmiento Huertas
- 1481 *Sophia Isabella Schroert†*
Mentor(s): Tiwei Wei
- 1482 *Sofia Schumann†; Dia Dipen Jhaveri†*
Mentor(s): Jason R Cannon; Reeya Tanwar; Fatema Mustafa Currim
- 1483 *Sydney Alexandria Scozzaro†*
Mentor(s): Matthew Olson; Nicole L Anderson
- 1484 *Hallie Grace Seasort†*
Mentor(s): Carla B Rosell
- 1485 *Dylan Wade Seets†*
Mentor(s): Darrin M Karcher; Sara Elizabeth Cloft
- 1486 *Sarah Michelle Sewell†; Leo Chen†; Sun Hong H Park†; Ata Ulas Guler†; Rachel Wingyan Ho†*
Mentor(s): David Michael Barbarash

- 1487 *Samantha Marcelle Sima†*
Mentor(s): Joshua Michael Cox; Riley Bradley Barta
- 1488 *Tamir Sklansky†; Timber Michael Bionda†; Elijah Temesgen Pondst†; Ron Cheng Xuan Chay†; Robert Henry Walch†*
Mentor(s): Niall Patrick Moloney
- 1489 *Dhruv Soni†*
Mentor(s): Kristen Marie Bellisario
- 1490 *Robert Allan Soohey†*
Mentor(s): Michael Douglas Johnson
- 1491 *Anna Marie Sorg†*
Mentor(s): Alexander Baena; D. Marshall Porterfield
- 1492 *Christina Michelle Sowinski†*
Mentor(s): Ali Bramson; Santa Lucia Perez Cortes
- 1493 *Caroline Marie Sponhauer†; Brycen Jesse Baldwin†*
Mentor(s): Kathryn Seigfried-Spellar
- 1494 *Robert Patterson Stewart†; Isaiah Maningast†; Jason Jaesung Lew†*
Mentor(s): Eduardo Barocio Vaca
- 1495 *Amrit Subramanian†; Ariana Raquel Morton*; Luke Harrison Huff*; Nathan Joel Benjamin*; Eliana Raina Romero*; Mary Clare Schofield*; Ethan Thomas Stark**
Mentor(s): Christopher R Agnew
- 1496 *Meghna Swaminathan†; Juan Pablo Loaiza Ramirez‡*
Mentor(s): Torsten Reimer
- 1497 *Benjamin Thomas Sykes†; Rohin Rajesh Nair†; Emily Song†; Aroldo Fernando Lugo Quintanilla†; Alexander Popescu†; Shreya Shrikrushna Pulujkart†*
Mentor(s): Samuel Labi; Sashank Modali; Richard Osita Ajagu
- 1498 *Tatiana Varela†; Pranav Singh†; Ananya Prasad†; Lainie Jane Rapp†; Colby Strohl†; Bella Irma Schaetzle†; Clara Marie Anne Goffioul†; Simran Nadigt†; Praneel Madhuvanesh†; Nathanael Adrian Lorincz†*
Mentor(s): Tyler N Tallman
- 1499 *Nathaniel Thomas Waningert†*
Mentor(s): Michael Douglas Johnson
- 1500 *Jack William Ev Weston†*
Mentor(s): Nielsen Pereira; Tugce Karatas
- 1501 *Gwyneth Wong†*
Mentor(s): Indranil Arun Mukherjee
- 1502 *Yun-Jen Wu†; Isabel Alejandra Arias Zambrano†; Jenna Marie Marquette†; Jack Valenti†; Henry Qin†*
Mentor(s): Saeed Mohammadi; Peter Bermel; Tiwei Wei; Rahim Rahimi
- 1503 *Yilin Xu†; Eshan Mathurt†; Atharva Umesh Bhide†; Armaan Kanchant†*
Mentor(s): Johnathan Hong; Cole Aaron Nelson
- 1504 *Yage Zhang†*
Mentor(s): Panayota Y Mantzicopoulos-James
- 1505 *Francille Zhuang†*
Mentor(s): Jennifer Scheuer

SCALE Heterogeneous Integration and Advanced Packaging (HI-AP) Presentations

- 1506 *Brendan Duffy†; Hannah Y Chun*; Rongkai Yu**
Mentor(s): Sean Yenyu Lai; Ganesh Subbarayan
- 1507 *Jack Rearden Ferlazzo†*
Mentor(s): Xianfan Xu; Ishat Raihan Jamil
- 1508 *Nolan Parker Gronowski†*
Mentor(s): Ritwik Vijaykumar Kulkarni; Amy M Marconnet
- 1509 *Remley Grace Hooker†*
Mentor(s): Peide Ye
- 1510 *Robert Scott Richards†*
Mentor(s): Liang Pan
- 1511 *Jonathan Samuel Ryan†*
Mentor(s): Justin Weibel
- 1512 *Allison Nobuko Schert†*
Mentor(s): Haiyan Wang; Benson Qun Tsai; Jialong Huang
- 1513 *Lindsay Kathryn Sutherland†*
Mentor(s): Amy M Marconnet; Shanmukhi Sripada
- 1514 *Bradon Rowan Timms†*
Mentor(s): Thomas Edwin Beechem; Walter J Smith
- 1515 *Kyle J Wiegand†*
Mentor(s): Shubhra Bansal
- 1516 *Noah James Willis†*
Mentor(s): Amy M Marconnet; Luz Sotelo

POSTER SESSION 4 | 1:30PM-2:30PM

- | | |
|--|---|
| <p>1600 <i>Jessica Josephine Adamst†; Charis Abigail Armstrong†; Camden Jeffrey Love†</i>
Mentor(s): Aparajita Jaiswal; Devang Atul Patel</p> <p>1601 <i>Ishaan Krishna Agrawal†; Aaron David Slamovich†; Elle S Case†; Maxim Nickolas Yamilov†</i>
Mentor(s): James Garrison; Jordan Joseph Alexander</p> <p>1602 <i>Eva Catherine Albrecht†</i>
Mentor(s): Carla B Rosell</p> <p>1603 <i>Alex James Alonzo†; Jennifer Caraballo‡</i>
Mentor(s): Shalini T Low-Nam; Joy Wu; Vinay K Menon</p> <p>1604 <i>Jaden R Azart†; Darren Ng†; Jari L Warner†</i>
Mentor(s): Matthew Lanham</p> <p>1605 <i>Amartya Bagchi†</i>
Mentor(s): Carla B Rosell</p> <p>1606 <i>Ava Grace Barnes†</i>
Mentor(s): Leonor Maria de Fatima Chagas Boavida</p> <p>1607 <i>Hannah Grace Barsoum†</i>
Mentor(s): Michael Douglas Johnson</p> <p>1608 <i>Sarah M Bennett†</i>
Mentor(s): Qixin He; Pavel Borisovich Klimov</p> <p>1609 <i>Leyton Drew Bostre†; Michael Robert Knaack†; Samyukta Balaji†; Aditya Krishnan Sivathanu‡; Kevin Ming Chang†</i>
Mentor(s): James G Ogg; Aaron C Ault</p> <p>1610 <i>Caleb Buening†</i>
Mentor(s): Leanne Nieforth</p> <p>1611 <i>Ru Yi Cai†; Anurag Koripalli†; Christopher Raymond†</i>
Mentor(s): Matthew Lanham</p> <p>1612 <i>Siddarth Balaji Calidast†</i>
Mentor(s): Vishnu Chaithanya Lagudu; Isaac P Hagedorn; Mark Johnson</p> <p>1613 <i>Gabriel John Carlson†; Sanjay Kandadi†; Natasha Lynn Kie†; Rixi Zeng†</i>
Mentor(s): Matthew Lanham</p> <p>1614 <i>Wyatt Tristan Carter†</i>
Mentor(s): Jean A Chmielewski; Anna Pavlishchuk</p> <p>1615 <i>Ana Victoria Castro Herrera†</i>
Mentor(s): Dutt Jagdish Thakkar</p> | <p>1616 <i>Harnoor Cheema†; Jacob Chappell‡</i>
Mentor(s): Mark Johnson; Timothy Francis Hein</p> <p>1617 <i>Susan Chen†; Maddie Jo Mussert†; Himanshu Niraj Sethia†; Shuoming Yu†</i>
Mentor(s): Matthew Lanham</p> <p>1618 <i>Piyush Dnyaneshwar Chhallare†</i>
Mentor(s): Bishnu Prasad Belbase; Arnab Banerjee</p> <p>1619 <i>Andres Carlos Corona†</i>
Mentor(s): Michael Douglas Johnson</p> <p>1620 <i>Ashton Isaiah Cotton†</i>
Mentor(s): Taimoor Hasan Qazi</p> <p>1621 <i>Tishia Talia Darmawan†</i>
Mentor(s): Olga Lyanda-Geller</p> <p>1622 <i>Maria Fernanda Delgado Taboada†</i>
Mentor(s): Natalia Doudareva; Matthew Edward Bergman</p> <p>1623 <i>Sarah Z Deniz†</i>
Mentor(s): Kendrick Clay Hardaway</p> <p>1624 <i>Aryaman Dewant†; Malyka Ram†; Priyanshu Datta Roy†; Rishabh Kottakota*</i>
Mentor(s): Uma K Aryal</p> <p>1625 <i>Harman Kaur Dhillon†; Madison Taylor Beaudry†; Collin Hoffman†; Rohan Suraj Desai†; Aditya Sarwaikar‡; Alexander David Perry‡; Aryana Isabelle Deshpande‡; Christopher David Butler‡; Tryston Frederick Espiritu‡; Junhee Lim‡; Weijing Sebastian Chen‡; Logan Paul Hussein‡</i>
Mentor(s): James Michael Goppert</p> <p>1626 <i>Sabina Kaur Dhindsa†</i>
Mentor(s): Panayota Y Mantzicopoulos-James</p> <p>1627 <i>Brandon Michael Dries†; Yalan Mai†; Aidan Daniel Manickam†; Michelle Zi Jun Pan†</i>
Mentor(s): Matthew Lanham</p> <p>1628 <i>Vatsal Sanjeevkumar Dudhaiya†; Tingyu Yin†</i>
Mentor(s): Marco Hadisurya</p> <p>1629 <i>Alexandra Sophia Finlayson†</i>
Mentor(s): Kathryn Jean LaRoche</p> <p>1630 <i>Isabella Marie Ford†; Elissa Maria Finnessy†</i>
Mentor(s): Kathryn Jean LaRoche</p> <p>1631 <i>Natalia Brynn Gaffney†; Leilani Grace Agngarayngay†; Alexis Lucille Ador Bernal‡</i>
Mentor(s): Kari L Clase; Julia Ann Simler; Amanda K Limiac</p> |
|--|---|

- 1632 *Renato Mauricio Gardella†*
Mentor(s): Michael Douglas Johnson
- 1633 *Mahineer Ghosh†; Varun Rajesh†; Makeda Teshome Duey†; Ansh Alpesh Kothari†*
Mentor(s): Jesus Adrian Meza Galvan; Steven M Pugia; Anthony G Cofer; Alina Alexeenko
- 1634 *Sarah Elizabeth Grev†; Samantha Stebbings*; Jake Anthony Castro*; Nadia Hayes Wheeler**
Mentor(s): Craig Goergen; Elnaz Ghajar-Rahimi
- 1635 *Aakrit Gupta†*
Mentor(s): Carla B Rosell
- 1636 *Laura Evelyn Harriss†; Ian McGill†; Elizabeth Darlene Gray†*
Mentor(s): Aparajita Jaiswal
- 1637 *Abigail Marie Higgins†; Arshia Bhuvana Rama†; Lauren M Hopkins†*
Mentor(s): Lara Nicole Balian; Rebecca A Ziolkowski; Natalia Maria Rodriguez
- 1638 *Margaret Sarah Holcomb†*
Mentor(s): Matthew Olson
- 1639 *Julia Hoppert†; Jack Rearden Ferlazzo†; Ashley Jo Schafert†; Vidya Reddy Madana†*
Mentor(s): Aparajita Jaiswal
- 1640 *Sierra Hunnicutt†; Antonia Christina Alexiou†; Katie Luo Hong*; Abigail Rose Malott*; Sabrina Michelle Hardy**
Mentor(s): Kristen Marie Bellisario
- 1641 *Evan Mcpherson Hunt†; Jiwon Christopher Moon†; Christopher David Pontious†; Aochuan Shen†*
Mentor(s): Matthew Lanham
- 1642 *Rachel Marie Isaac†*
Mentor(s): Brian Patrick Ha Metzger
- 1643 *Rishi Krishnan Iyer†*
Mentor(s): Carla B Rosell
- 1644 *Lauren Elizabeth Johnson†; Bethany Ruth Remian†; Nicholas Ryan Borders†*
Mentor(s): Kenneth D Ridgway; Brandon Matthew Keough
- 1645 *Arnav Juneja†*
Mentor(s): Carla B Rosell
- 1646 *Akshith Karri†*
Mentor(s): Abigail Polin
- 1647 *Emma Frances Kay†; Ella Rose Deanne Chianis†*
Mentor(s): Brittany Lee Allen-Petersen; Claire M Pfeffer; Brittany Nicole Heil
- 1648 *Alexander G Kelley†*
Mentor(s): Kaitlyn T. Hood
- 1649 *Robert Jake Kennedy†*
Mentor(s): Michael Douglas Johnson
- 1650 *Sreesha Vedavalli Kidambi†; Jamie Youngjin Cho†; Jason England Thiagarajan†*
Mentor(s): Kari L Clase; Ruba Ahmad Qwai Alajlouni
- 1651 *Seeun Kim†*
Mentor(s): Minh Nam hoang Nguyen; Junfei Li
- 1652 *Erik Kocinare†; Thomas Allen Greer†*
Mentor(s): Archana Dharanipragada
- 1653 *Yen-Hsi Lai†*
Mentor(s): Omobukola Otoise Usidame
- 1654 *Andrew James Larkins†; Connor Ethan Behrend†; Michael Lee†*
Mentor(s): Burkay Sahin; Jingbo Wang; Mark Johnson
- 1655 *Jordan Larson†; Vitor Limas Scheint†; Justin Harrison Rothenberg†; Tyler Mitchell†; Aneesh Sai Katkam†*
Mentor(s): Andy Jung; David Alan Ruiter; Santosh Bhandari
- 1656 *Kyung Jun Lee†; Chun-Kang Huang†; Daeun Kim†; Tzu-Yun Liu†*
Mentor(s): Peter Bermel; Mukerrem Cakmak; Saeed Mohammadi
- 1657 *Chi Lin†; Aruneeth Ranjan Sil†; Sanjana Chinthalapalli Mohan†*
Mentor(s): Matthew Lanham
- 1658 *Leo Pearson Malachowski†; Bridget Katherine Heindl†; Ayden Timothy Fahey†; Jennifer Lilian Yang†*
Mentor(s): Jason Ware
- 1659 *Abigail Rose Malott†; Katie Luo Hong*; Sierra Hunnicutt*; Sabrina Michelle Hardy*; Lukas Benjamin Kraft**
Mentor(s): Kristen Marie Bellisario
- 1660 *Charles W Mann†; Ananyaa Chaitanya Baidurf†*
Mentor(s): Philip S Low; Mahesh Kumar Rao Yelineni
- 1661 *Alex Mauricio Marin Villanueva†*
Mentor(s): Dutt Jagdish Thakkar
- 1662 *Anika Mathur†; Jiwon Seo†; Samskrithi Sivakumar†; Charles Chen†; Sein Kim†*
Mentor(s): Brett A Meyers; Pavlos Vlachos; Lauren Ann Metskas

- 1663 *Keith Meyer†; Zhixin Cai**
Mentor(s): Kristen Marie Bellisario; Christine Harrison Elliott
- 1664 *Maggie Brinn Miller†; Divya Tarika Durai†*
Mentor(s): Sarah Eason; Salvador Roberto Vazquez; Siqi Zhang
- 1665 *Ashley Zaira Mohammed†*
Mentor(s): Lavanya Reddivari; Heather R Milliron
- 1666 *Kamanda K Mosongo†*
Mentor(s): Caroline Kathure Marete
- 1667 *Piotr Stanislaw Nabrzyski†; Keegan Brenner Harris†; Shlok Ashish Sheth†; Joonyeoup Kim†; William Benjamin Tao†*
Mentor(s): Edward J Delp
- 1668 *Niharika Narra†*
Mentor(s): Cortland Hannah Johns
- 1669 *Jack Robert Nelson†; Katherine Josephine Cheh†; Akshat Garg†*
Mentor(s): Aparajita Jaiswal
- 1670 *Jillian G O'Flaherty†*
Mentor(s): Shih-chun Kao
- 1671 *Rio Ohtake†*
Mentor(s): Luying Chen
- 1672 *Jonathan Aimison Oppenheim†; Henry Hengyi Tsay†; Lucas Tan†; Thanmaya Pattanashetty†; Shiva Sai Vummaji†; Tim Nadolsky†; Chiho Song†; Liam Matthew Stonestreet†; Haichang Li†*
Mentor(s): Yeon Ji Yun; Yung-Hsiang Lu
- 1673 *Cadance William Lucas Ormsby†; Sri Krishna Teja Mannava†; Abhiansh Parwal†; Erlin Daniel Pineda Hernandez†*
Mentor(s): David Alan Ruiter
- 1674 *Nina Jo Parham†*
Mentor(s): Michael Douglas Johnson
- 1675 *Paul Kyu-Hwan Park†; Caden Cole Cowles†*
Mentor(s): Garam Kim; Jacob Robert Montrose; Eduardo Barocio Vaca
- 1676 *Harshitha Pathania†*
Mentor(s): Beth Elly Baumgartner
- 1677 *Vishwajit Laxmanrao Patil†*
Mentor(s): Carla B Rosell
- 1678 *Mohammad Pehlari†; Carly Grace Booth*; Vineeth Surya Narra*; Grace Maria Moorman*; Lucy Pauline Murphy*; Jackson Tyler Wrubel*; Mary Aileen Jann**
Mentor(s): Thomas S Redick; Alexa Kristina Bushinski
- 1679 *Ricardo Andres Pena Rojast; Matthew Mellor Pierce†; Bradley J White†; Lejia Zhou†*
Mentor(s): Matthew Lanham
- 1680 *Lillian Faith Pierce†*
Mentor(s): Brady Robert Layman; Megan Leigh Hill; Jeffrey Edward Dick
- 1681 *Aditya Pillai†*
Mentor(s): GuangJun Zhang; Dingxun Wang
- 1682 *Alana Powell†*
Mentor(s): Kathryn Jean LaRoche
- 1683 *Isyss Mystique Pranger†*
Mentor(s): Heather L Servaty-Seib; Panayota Y Mantzicopoulos-James
- 1684 *Mridu Prashanth†*
Mentor(s): Daniel G Aliaga; Aniket Bera
- 1685 *Reeya Ramasamy†*
Mentor(s): Kathryn Seigfried-Spellar; Tatiana Ringenberg
- 1686 *Emily Joy Reeves†; Ally Morgan Wigand†*
Mentor(s): Aaron J Gin
- 1687 *Alexander Repikov†; Robert Yida Zhang†; Nathan Nanchuen Yu†; Moe Wai Yan Myint†; Fatma Mohamed Ahmed Youssef Alagroudy†; Yara Ahmed Mohamed Abbas†; Khoi Anh Nguyen†*
Mentor(s): Timothy Francis Hein; Mark Johnson
- 1688 *Joshua Michael Ringler†; Matthew P Russell†; YoonJeong Choi†; Bocheng Wang†; Jonathan Damin Shi†; Sahil Maurice†*
Mentor(s): Xing Wang; Wenyong Xu
- 1689 *Mateus Rocha Ripari†; Paula Natalia Natalia Paez Monroy†; Erica Kaser*; Keila Aika Keikilani Jellings*; Elise Bennett**
Mentor(s): Abigail Keelin Rogers
- 1690 *Aishani Sakalabhaktula†*
Mentor(s): Lisa B Bosman
- 1691 *Justin Sanchez†; Duc Pham Minh†; Jain Iftesam†; Saandiya KPS Mohan†*
Mentor(s): Om P Kotwal; Cole Aaron Nelson
- 1692 *Sarah Sawhney†; Ian Tseng†; Chien Chou Ho†; Jiali Shi†; Taehoon Kim†; Yi-Huan Chen†; Ching-Hsiang Huang†*
Mentor(s): Shreya Ghosh

- 1693 *Christian Paul Hardy Scott†*
Mentor(s): Babak Anasori; Anupma Thakur;
Nithin Chandran Balachandran Sajitha
- 1694 *Amirali Sharifi Olounabadi†; Alaqmar Adnan Bohori†; Sagnik Ballabh†; Tiancheng Zhang†*
Mentor(s): Santosh Bhandari; Andy Jung
- 1695 *Ahmed Wael Shebl†; Zeyad Ayman El Afify†; Abdelrahman Hamdy Ghania†*
Mentor(s): Fengqing Zhu; Carla Zoltowski;
Edward J Delp; Soudabeh Taghian Dinani
- 1696 *John Henry Slater†; Braden Thomas Callaway*; Natalia Zagata*; Blake Edward Neely*; Alexander Paul Kaufmann**
Mentor(s): James Michael Goppert; Worawis Sribunma; Chase Ja-ok Loeb
- 1697 *Brody Everett Snyder†; Elizabeth Reeves Cagle†; Yi Li†; Padmaja Sachin Khairnar†; Pranav Perumal†; Kevin Nathan Qu†*
Mentor(s): Robert Jose Ccorahua santo;
Wenzhuo Wu
- 1698 *Lautaro Franco Soler†*
Mentor(s): Krishna Jayant; Saumitra Yadav;
Austin Dennis Cronin
- 1699 *Vincent Cody Stavigt†; Benjamin David Duttlinger†; Julius Coleton Thomas Jodway†; Hermes Heng-yu Fu†*
Mentor(s): David Alan Ruiter; Andy Jung
- 1700 *Trina Faith Tagamolila†*
Mentor(s): Sarah Lyn Karalunas; Mckenzie T. Figuracion
- 1701 *Nick Taha†; Rishikesh Reddy Bathina†; Pierce Yungjoon Johnson†; Argha Badhon Saha†*
Mentor(s): Anand Raghunathan; Mark Johnson
- 1702 *Evans Tang†; Olivia Anne Guptill†; Allyson Faith Miller†*
Mentor(s): Aparajita Jaiswal; Clara Elisa Hortua alvarado
- 1703 *Sidney Erin Tindell†; Megan Elizabeth Bechtloff†; Hailey Choi Hiatt†; Caroline Sorrells†*
Mentor(s): Hannah Elise Starr; Jeffrey A Turkstra
- 1704 *Elysia Marlena Uggent†; Joshua Paul Kaluff†; Shelby Sliger†*
Mentor(s): Joseph P Ogas; Jacob Ryan Fawley;
Jiaxin Long
- 1705 *Andres Uzcateguit†*
Mentor(s): Krishna Jayant
- 1706 *Pranav Wadhwa†; Kevin Luke Phlips†*
Mentor(s): Mark Johnson; Timothy Francis Hein;
Anand Raghunathan
- 1707 *Charles James Wagner†; Vinay Pundith†*
Mentor(s): Mark Johnson; Anand Raghunathan;
Malcolm Lloyd Seib McClymont
- 1708 *Andrew Hunter Walatka†; Carly Grace Booth*; Mary Aileen Jann*; Vineeth Surya Narra*; Grace Maria Moorman*; Lucy Pauline Murphy*; Jackson Tyler Wrubel**
Mentor(s): Thomas S Redick
- 1709 *Sam Brody Waymire†; Dean Patrick Shock†; Shawanwit Poomsa-ad†; Elijah Scott Forbest†*
Mentor(s): Santosh Bhandari; Andreas Jung
- 1710 *Robert Thomas Welp†*
Mentor(s): Joshua Michael Cox; Riley Bradley Barta
- 1711 *Caitlin Alexandra Williams†*
Mentor(s): Julia Chester
- 1712 *William Wong†; varun Vaidyanathan†; Yue Yin†*
Mentor(s): Mark Johnson; Anand Raghunathan;
Sooraj Chetput Venkataraghavan
- 1713 *Jinhoo Yoon†; Brandt David Pierce†; Arnav Jadhav†; Christian Scheckel†; Aditya Gandhi†; Tylan Sean Fleming†; Nicholas James Detwiler†; Omkar Ghodke†; Warat Nathan Vijitbenjaronk†; Keshav Shylesh†; Tanvi Chukka†; Truman Stephen Mohr†*
Mentor(s): Thomas Edgar Roth; Samuel Theodore Elkin; Ghazi Khan
- 1714 *Bayan Yunis†*
Mentor(s): Lisa B Bosman; Angel Gabriel Ruiz Castro
- 1715 *Xinyi Zhang†; Maryam Shakil†; Jared Travis Richardson†*
Mentor(s): Matthew Lanham

OURConnect

PURDUE'S UNDERGRADUATE RESEARCH PORTAL

RECRUIT/APPLY › REPORT › MANAGE CONFERENCES

† Presenting Undergraduate Author; ‡ Contributing Undergraduate Author; * Undergraduate Acknowledgment

RESEARCH TALKS

Research talks are delivered in Stewart Hall, Room 214 on November 20, 2024.

RESEARCH TALK SESSION 1 | 9:00-10:00

ROOM: STEW 214A

- 9:00 Applicability of Additively Manufactured Fiber-Reinforced Thermoplastic Composite Mold for
7000 Thermoplastic Composite Thermoforming Process
Hanhyun Kwak†
Mentor(s): Garam Kim; Sung Jun Choi; Eduardo Barocio Vaca
- 9:20 OSS Fuzzing
7001 *Amar AlAzizy†; Omar Faramawy Elsayed†*
Mentor(s): Aravind Machiry; Arunkumar Bhattar
- 9:40 Real-Time Agent Motion Prediction in Multi-Agent Autonomous Racing Using Deep Neural
7002 Networks
Myron Milad Tadros†; Ahmed Sayed Omar Omar†; Omar Ahmed Roshdi Badawi Abousheisha†; Bola Yosry Zaky Warsy†; Abdelrahman Ahmed Safwat Eissa†
Mentor(s): Andres Felipe Hoyos Moreno; Samuel Labi

ROOM: STEW 214B

- 9:00 Shear Modified Bin Discharge
7003 *Trisha Boodhoo†*
Mentor(s): Carl R Wassgren
- 9:20 Examining tropical cyclone-induced compound hazards to inform effective adaptation and
7004 mitigation policies.
Tanya Sophia Masnyk†
Mentor(s): Qingchun Li; Daniel R Chavas
- 9:40 Wearable Electrochemical Sensors for Personalized Digital Health
7005 *Surya Pratheek Turaga†*
Mentor(s): Wenzhuo Wu; Jing Jiang

ROOM: STEW 214C

- 9:00 The Disconnect Between Policy and Patient Care: Exploring the Impact of Indiana's Fetal
7006 Disposition Law on Pregnancy Loss Patients
Lily Grace Renke†; Emma Michelle Gordon‡
Mentor(s): Kathryn Jean LaRoche
- 9:20 Adipose Tissue Morphology in Albumin Knockout Mice
7007 *Yen-Hsi Lai†*
Mentor(s): Gregory C Henderson
- 9:40 Children's Attribution of Blame Towards Low-Status Peer Groups
7008 *Kendal Nicole Clay†*
Mentor(s): Megan Nicole Norris; Laura Elenbaas

ROOM: STEW 214D

- 9:00 Characterizing Genetic Knockdown of CIP2A in Non-Small Cell Lung Cancer Cells
7009 *Talia Lee Kiddert†*
Mentor(s): Brittany Lee Allen-Petersen; Brittany Nicole Heil
- 9:20 Using Single-cell RNA Sequencing to Identify Leukocyte Subsets Present in Benign Prostatic
7010 Hyperplasia
Andree Kolliegbo†
Mentor(s): Nadia Atallah Lanman

9:40 Pramipexole as a potential enhancer of regeneration after zebrafish spinal cord injury
7011 *Nikhil Samit Sadavarte†; Jonathan Minh-Tri Ngo‡; Kaitlyn Ying‡; Beatriz Cren Colalillo‡; Manasa Gudugundla‡; Anshul Sanjeev‡; Katie Manfra‡*
Mentor(s): Daniel Suter

RESEARCH TALK SESSION 2 | 10:00-11:00

ROOM: STEW 214A

10:00 A Survey of Autonomous Driving Algorithms for Scaled Racing
7012 *Manav Nikhil Gagvani†; Sangeet Mohan†; Jaron David Hunt†*
Mentor(s): Shreya Ghosh

10:20 Generative Models for Images and Videos
7013 *Ian Owen Out†; Julianne Quin Iaccarino†; Ibrahim Issa Abdullah†; Basil Khwaja†; Ron K Natarajan†*
Mentor(s): Monika Tomar; Yung-Hsiang Lu

10:40 Design and Implementation of an Inductively Coupled Plasma Neutralizer for SPT-100 Hall Effect Thruster
7014 *Mathis Malaussen†*
Mentor(s): Alexey Shashurin; Lee E Organski

ROOM: STEW 214B

10:00 Medical Minds, Literary Voices: The Intersection of Healing and Storytelling in Russian Literature
7015 *Emily Doris Gervais†*
Mentor(s): Olga Lyanda-Geller

10:20 The Burden of Legislation: How State Partisanship Influences Policy Design
7016 *Paige Morgan Gonzales†*
Mentor(s): David Lewis

10:40 The Risk of Harassment among Gig Workers by Race, Age, and Gender.
7017 *Julieta Claudia Aguilar†*
Mentor(s): Jeremy E Reynolds

ROOM: STEW 214C

10:00 Effects of DHEA on the estrous cycle: a rodent model of Polycystic Ovary Syndrome
7018 *Morgan Marie DesEnfants†; Roshni Manikandan‡; Linnaea Eileen Krupke**
Mentor(s): Kimberly Kinzig

10:20 Environmental Contamination and Birth Anomalies in Iraq
7019 *Bethany Faber†*
Mentor(s): Ellen M Wells; Aaron James Specht

10:40 Child Automated Speech-To-Text (CAST) - Enhancing Child Speech Comprehensibility with Machine Learning
7020 *Aakanksha Amol Shripal†; Son Ha†; Akhil Sagaran Kasturi‡; Akshitha Kartigueyan‡; Aarohi Panzade‡*
Mentor(s): David J Purpura

ROOM: STEW 214D

10:00 The Chemical Makeup of Cloud Condensation Nuclei found in Stratocumulus Clouds along Coastal Peru
7021 *Jasmine Alayna Lockett†*
Mentor(s): Greg M Michalski

10:20 Seismic Monitoring of Rainfall-induced Subsurface Changes Using Kullback–Leibler and Jensen–Shannon Divergence
7022 *Theo Adrian Garcia Carranco†*
Mentor(s): Yunyue Li

10:40 Forecasting the 2024 Elections using Mathematical Modeling
7023 *Joseph Michael Cromp†; Thanmaya Pattanashetty‡; Alexia Rodriguest*
Mentor(s): Alexandria Volkening

RESEARCH TALK SESSION 3 | 11:00-12:00

ROOM: STEW 214A

11:00 The Modeling of the Umbilical Cord In End of Term Women Using a PDMS Microfluidics Design
7024 *Divya Raghvendra Manvikar†; Mira Nimesh Patel‡; Dipali Rebecca Abraham†*
Mentor(s): Ryan B Wagner; Arezoo Ardekani

11:20 A Novel Approach to Sex-Specific Responses of Enhancing Osteogenesis with a 3D-Printed Hybrid Hydrogel
7025 *Maria Macias†*
Mentor(s): Claudia Benito Alston; Luis Solorio

11:40 Image-based Mobile Phone Applications (APPS)
7026 *Minchae Yun†; Huy Duc Vu†; Vishwadeep Singh†; William Emre Ozkan†*
Mentor(s): Edward J Delp; Fengqing Zhu; Soudabeh Taghian Dinani; Carla Zoltowski

ROOM: STEW 214B

11:00 Further validation of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
7027 *Matthew Thomas Corson†*
Mentor(s): Fatema Mustafa Currim; Josephine Maria Brown; Jason R Cannon

11:20 Polyphenol and polysaccharide interactions in whole food matrices - Role in starch digestion
7028 *Johanna Marie Hicks†*
Mentor(s): Lavanya Reddivari; Edward David Moncada

11:40 Investigating Mycoparasitic Behavior of Alternaria on Various Species of Rust Fungi
7029 *Lane Bell†*
Mentor(s): Daniel B Raudabaugh; Mary Aime

ROOM: STEW 214C

11:00 Analysis of the heavy metals in electrodes used in manual metal arc welding and the generated fumes
7030 *Shane Kevin Limas†*
Mentor(s): Jae Hong Park

11:20 The pulmonary baroreflex as a neurovascular modulator: A possible therapeutic target for chronic sympathetic overactivity in aging
7031 *Julian Andres Guzman Torres†*
Mentor(s): Igor Alexandre Fernandes

11:40 Stress-enhanced fear learning can be reduced with unconditional stimulus deflation with constraints.
7032 *Jaden Brooks†; Priya Halder**
Mentor(s): Sydney Trask

ROOM: STEW 214D

11:00 Mapping Chemical Abundances of the Supernova Remnant Cassiopeia A with the James Webb Space Telescope
7033 *Grace Katz†*
Mentor(s): Danny Milisavljevic; Danielle Dickinson

11:20 Seasonal Variation in Radar Signatures in Amundsen and Cabeus Craters on the Moon
7034 *Donnie Hutchison†*
Mentor(s): Ali Bramson

11:40 Investigating the effects of ciclopirox and its derivatives on urothelial and renal cell carcinomas
7035 *Abigail Hyejin Lee†; Kaaya Dharm Sharma**
Mentor(s): Yuxin Zhuang; Majid Kazemian

RESEARCH TALK SESSION 4 | 12:00-1:00

ROOM: STEW 214A

12:00 Biomedical Drone for Narcan Delivery
7036 *Victor Ionut Ene†; Danica Brynn Joynert†; Nathan James Arnold†; Harshavi P Birla†; Natasha Rajendrarao Gundapaneni†; Ty Dean Frederick†; Shelby Grace Britton†; Parth Kailash Dubal†; Bhaskar S Patke†*
Mentor(s): James Michael Goppert; Kong; Nicole Adams

12:20 Understanding Tactile Sensation: Neural Mechanisms of Texture Exploration in Freely Moving Mice
7037 *Lucy Anne Jurow†; Hannah Jordan Margulit†*
Mentor(s): Megan Hope Lipton; Maria Cristina Makin

12:40 Optimized Text Recognition: A Transfer Learning Approach for Detecting and Transcribing Text in Natural Scenes
7038 *William Henry Stevenst†; Gabriel A Torrest†; Karthik Selvaraj†; Leo Ross Benaharon†; Surya Teja Sripathi†; Arnav Dushyant Choudhry†*
Mentor(s): Edward J Delp; Carla Zoltowski; Fengqing Zhu

ROOM: STEW 214B

12:00 Reflections of the Economic Culture in Russian literature
7039 *Davyd Revenko†*
Mentor(s): Olga Lyanda-Geller

12:20 Ensuring Consumer Safety by Analyzing the Impact of Fluctuating Temperatures on STEC
7040 *Hayley Kristen Wong Liong†; Athanasios Gregory Flessas†*
Mentor(s): Bruce M Applegate; Kal Holder; Keyshla M Narvaez Davila

12:40 Making a Splash: Using Mass Spectrometry to Measure Dopamine and Serotonin Turnover in Water-Enriched Pekin Duck Brains
7041 *Nina Kay Wilson†*
Mentor(s): Greg Fraley

ROOM: STEW 214C

12:00 Rethinking Civil Litigation: Why A Data Driven Approach is Necessary
7042 *William Brian Nilgest†*
Mentor(s): Beth Elly Baumgartner

12:20 Investigation of Optimal Machining Parameters for Fiber-Reinforced Thermoplastic Composite Tooling
7043 *Sucheol Woo†; Min Yong Chun**
Mentor(s): Garam Kim; Sung Jun Choi; Eduardo Barocio Vaca

12:40 REBEL: Rule-based and Experience-enhanced Learning with LLMs for Initial Task Allocation in Multi-Human Multi-Robot Teams
7044 *Arjun Sandeep Gupte†*
Mentor(s): Byung-Cheol Min; Ruiqi Wang; Lakshmi Narayan Vishnunand Venkatesh; Taehyeon Kim

ROOM: STEW 214D

12:00 Differential responses to PP2A activation are influenced by AREG signaling
7045 *Ella Rose Deanne Chianist†*
Mentor(s): Brittany Lee Allen-Petersen; Claire M Pfeffer

12:20 Screening Photoactivatable Proteins at Cryogenic Temperatures
7046 *Sarah A Alvarez†*
Mentor(s): Peter Dahlberg

† Presenting Undergraduate Author; ‡ Contributing Undergraduate Author; * Undergraduate Acknowledgment

12:40 A PHD Filter Approach to Target-Invariant Persistent Monitoring
7047 *Revanth Krishna Senthilkumar†*
Mentor(s): Aniket Bera; Apoorva Vashisth

RESEARCH TALK SESSION 5 | 1:00-2:00

ROOM: STEW 214A

1:00 Title: Measuring Progress in Eye Tracking Behavior During Surgical Training
7048 *Hassan Berbich†*
Mentor(s): Denny Yu

1:20 SWARMS: Multi-Agent UAV Control Simulation
7049 *Amikosh Dube‡; Noah Anthony Wisniewski‡; Jay Bhavesh Gandhi‡; William John Greenwood‡; Jammy Wang‡; Dhanush Adhitya Gopalakrishnan‡; Srikar Sastry Lanka‡; Berra Ulku Kalci‡; Richard Hastings Hambleton‡*
Mentor(s): Younggil Chang; Shreyas Sundaram

1:40 Understanding Environmental Impacts of Large Language Model Serving
7050 *Gavin Michael Fortwendel†*
Mentor(s): Yi Ding; Inez Hua

ROOM: STEW 214B

1:00 The Consequence of Temperature Variance During Transportation on Salmonella: Impact on Food Safety
7051 *Carson William Rockwell‡; Bailey Jean Williams‡*
Mentor(s): Bruce M Applegate; Kal Holder; Keyshla M Narvaez Davila

1:20 Evaluation of Ketamine's Prosocial Effects in Scn2a-deficient Mice
7052 *Rineet Ranga‡; Akila Abeyaratna‡*
Mentor(s): Brody Alan Deming

1:40 Design of a curriculum proposal for the teaching of English/Spanish for pharmacy students focused on the correct use of medications and interculturality.
7053 *Gabriela Espinel Charry†*
Mentor(s): Ellen M Schellhase; Juan Camilo Alvarez Nunez; Andrea Salazar-Ospina

ROOM: STEW 214C

1:00 Gender Differences in Global Identity Development: Implications for Intercultural Competence in Higher Education
7054 *Vidya Reddy Madana†*
Mentor(s): Aparajita Jaiswal

1:20 Integration of Mixed Reality and Digital Twins for the safe and efficient operation of fluid power equipment
7055 *Yovani Garcia Munera‡; Samuel Ricardo Duncan Vides‡; Felipe Ramirez Franco*; Alen Santiago Lizarazo Osorio**
Mentor(s): Jose M Garcia Bravo

1:40 Design of a training protocol to assess human error, reaction time and hand-eye coordination in assembly lines.
7056 *Janny Katerin Torres Canas†*
Mentor(s): Steven R Dunlop; Dutt Jagdish Thakkar

ROOM: STEW 214D

1:00 Enhancing Cello Performance through Real-Time Posture Evaluation
7057 *William P Jiang‡; Gurtej Singh Bagga‡; Trevor Mission Ju†; Paige Lorenz‡; Shivam Hemal Trivedi‡; Shrinand Perumal‡; Aadiv Reki‡*
Mentor(s): Yeon Ji Yun; Yung-Hsiang Lu

1:20 Understanding the Bit-Depth of SPAD Arrays for FLIM

7058 *Ishaan Kartik Singh†*

Mentor(s): Jing Liu

1:40 Investigating the role of PP2A-B56a in the Autophagy pathway in Pancreatic Cancer

7059 *Indiraa Doraivel†*

Mentor(s): Garima Baral; Claire M Pfeffer; Sara Nicole Filippelli; Brittany Lee Allen-Petersen

RESEARCH TALK SESSION 6 | 2:00-3:00

ROOM: STEW 214A

2:00 Improving Branch Prediction Accuracy and Benchmarking for a RISC-V Based Microcontroller

7060 *Aishwarya Saikrupa Anand†; Andy Hanjun Hu†; Mary Francis†; Dhruv Roopchand Khatri**

Mentor(s): Cole Aaron Nelson; Mark Johnson

2:20 Modeling The Racehorse Airway

7061 *Christine Elizabeth Mayo†; Adalene Noel Stangeland†; Meggie Faye Khantsist†; Megan Leanne Painter‡; Payton Elizabeth Gault‡*

Mentor(s): Curtis Earl Marshall

2:40 Forecasting and Optimizing EV Charging Station Demand using Traffic Patterns

7062 *Jihyo Park†; Shounak Mukherjee†; Alexa Joan Noto†; Ankitha Mallekav†; Akanksh Raot†; Hsin-Wei Hsieh‡; Hyunsang Cho‡; Jaewon Cho‡*

Mentor(s): Sivaranjani Seetharaman

ROOM: STEW 214B

2:00 Protective Effects of Polyphenols Against Alpha-Synuclein Aggregation in a Cellular PFF Model of Parkinson's Disease

7063 *Jacob Gold†*

Mentor(s): Jean-christophe Rochet

2:20 Innovating Against Geographical and Climate Adversity: Israel's Groundbreaking Agricultural Techniques and Technologies

7064 *Madison Chloe Lee†*

Mentor(s): Olga Lyanda-Geller

2:40 Disparities in Per- and Poly Fluoroalkyl Substances (PFAS) Tolerance and Life History Traits in *Simocephalus serrulatus* Populations.

7065 *Jack Douglas Morehouse†*

Mentor(s): Jason T Hoverman

ROOM: STEW 214C

2:00 Commodity Flow Analysis of Indiana: Insights into Supply Chain Dynamics and Economic Development

7066 *Kely Johanna Monroy Malagon†; Luisa Fernanda Victoria Florez†*

Mentor(s): Dutt Jagdish Thakkar

2:20 The Impact of Finance Case Competitions on Undergraduate Learning and Professional Skill Building

7067 *Christopher Alexandre Ghita†*

Mentor(s): Zoeanna Mayhook

2:40 Designing, Implementing, and Evaluating a Sex Trafficking & Intimate Partner Violence Training Program for Licensed Salon Professionals in Indiana

7068 *Ashton Zachary Allen†; Abhinaya Nagalla†; Jordan Elizabeth Cooley†; Juliana Reese St Denis†; Evan Graham Coblentz‡*

Mentor(s): Kathryn Seigfried-Spellar; Andrea DeMaria

ROOM: STEW 214D

- 2:00 Glycoprotein Analysis of Aged Mice Brain Proteome
7069 *Rishabh Kottakota†; Aryaman Dewan*; Malyka Ram*; Priyanshu Datta Roy**
Mentor(s): Uma K Aryal
- 2:20 A Triangular Ladder of Superconducting Qubits for Quantum Simulation
7070 *Santiago Lopez†*
Mentor(s): Alex Ruichao Ma
- 2:40 Toric methods in bordism theory
7071 *Mathilda Campillo Abuchaibet†*
Mentor(s): Manuel Luis Rivera

RESEARCH TALK SESSION 7 | 3:00-4:00

ROOM: STEW 214A

- 3:00 Increasing Membrane-Based Dehumidification Performance with Reduced Graphene Oxide Nanofillers
7072 *Lily Avery Waterman†*
Mentor(s): Md Ashiqur Rahman; David Warsinger
- 3:20 Automation of LAMP Biomolecular Assays Using the Eppendorf epMotion 5075 Robotic Pipettor
7073 *Shamalaa Sathiasealan†*
Mentor(s): Mohit Verma; Josiah L Davidson
- 3:40 EEG Brain Signal Analysis for Active Authentication in Immersive Virtual Worlds
7074 *Shruthika Sundar†*
Mentor(s): Diksha Shukla

ROOM: STEW 214B

- 3:00 Placental Phenotype in Leukoencephalopathy with Calcifications and Cysts
7075 *Natalie Christine Smith†*
Mentor(s): Jamie Fraser; Brianna Pierce
- 3:20 Comparison of Speech Token Variations and Their Ability to Assess Features of Hearing Loss
7076 *Jax Patrick Marrone†; Andres Navarro‡; Emily Le Bell‡; Audrey V Harrison‡*
Mentor(s): Edward L Bartlett; Meredith Christine Ziliak
- 3:40 The INCOSE Symposium Paper Collection: What Does It Tell Us About the Discipline?
7077 *Caroline Grace Thomas†*
Mentor(s): Charles Robert Kenley

ROOM: STEW 214C

- 3:00 Project oCEANIC: Computing Environmental Adaptation and Navigation in Island Communities
7078 *Marlo Ann Weber†; Connor Taychin Underwood†; Christopher Gerald Farbert†; Allyson Lynn Dinwiddie†; Jacob David Dorson†; Hannah Morgan Stegall†; Danielle C Ejiogun†; Giovanni Ignatius Stabile†*
Mentor(s): Katherine Jarriel
- 3:20 A Study on the SoTL Accelerator Effectiveness in Enhancing Faculty Best Practices for New Curriculum Development, Assessment, and Dissemination
7079 *Ava Thant Samuel†*
Mentor(s): Lisa B Bosman
- 3:40 Assessment of Echocardiographic Biomarkers for the Prognosis of Cardiac Dysfunction in Sepsis
7080 *Brianna Nicole Lewis†*
Mentor(s): Pavlos Vlachos

ROOM: STEW 214D

- 3:00 Investigating the functions of Epstein-Barr Virus Gene BNLF2b in Gastric Cancer Progression
7081 *An My Nguyen†*
Mentor(s): Majid Kazemian; Yuxin Zhuang
- 3:20 Design of a Bromide Ion-Exchange Column for Application in Low-Bromide Waters
7082 *Diana Lucia Pinto Montes‡; Destin Javai Gentillon‡*
Mentor(s): Marty D Frisbee
- 3:40 Neuro-Symbolic Action Anticipation through Spatio-temporal Affordance Reasoning
7083 *Muyang Yan†*
Mentor(s): Yexiang Xue; Maxwell Joseph Jacobson; Simon Stepputtis

RESEARCH TALK SESSION 8 | 4:00-5:00

ROOM: STEW 214A

- 4:00 Purdue Aerial Robotics Team (PART) - R&D Division - Avionics - AUGUST
7084 *Doha Bahaa Eldin Hafez†; Parker Steven Hitchcock‡; Hasan Sultan†*
Mentor(s): Niall Patrick Moloney; Shreyas Sundaram
- 4:20 2.4 , 5 GHz Dual Band Wi-Fi RF Receiver
7085 *Abdelrahman Osama Khalid†; Kerollos Ehab Matta Yanny†; Youssef Nagah Haidert†; Manuel Ashraf Melad Gad†*
Mentor(s): Seyedehmarzieh Rouhani; Archana Dharanipragada; Mark Johnson
- 4:40 NucleusPrime: An efficient computational tool for the design of oligonucleotide primers for nucleic acid amplification methods
7086 *Arman Kumar†*
Mentor(s): Mohit Verma; Josiah L Davidson

ROOM: STEW 214B

- 4:00 A Comparative Study of Coherent Ising Machine Variations through Numerical Simulation
7087 *Vidisha Singhal†; Charles Spencer Bowles†*
Mentor(s): Peter Bermel
- 4:20 Enhancing Workforce Development through Virtual Reality and Digital Twin Integration
7088 *Alberto Minaya Lopez†*
Mentor(s): Ramses Martinez

ROOM: STEW 214C

- 4:00 Pets in the office: A systematic review and pilot study examining pets in the workplace
7089 *Sophie Kaitlyn Stahl†; Braxton J Schieler**
Mentor(s): Leanne Nieforth; Jane F Yatcilla

VIRTUAL PRESENTATIONS

Presentations available on Fall Expo website November 19-26, 2024.

Posters sorted by last name of first author.

- | | | | |
|------|--|------|--|
| 9000 | <i>Satvika Anand Raj†</i>
Mentor(s): Philip Eugene Pare; Chi Ho Leung | 9002 | <i>Enrique Camacho†; Haruna Kawai†;
Muhammad Ameer Hamza†; Andrew Lee
Schlabach‡; Geetika Chitturi‡; Akshath Raghav
Ravikiran‡</i>
Mentor(s): Boyuan Chen; Sergey Zakharov;
Mark Johnson |
| 9001 | <i>Elliott T Buescher†; Abhijeet Vijay Mohod†;
Grayson Dean Gibson†; Roni H Aziz†; Kyston
Reeve Howard†</i>
Mentor(s): Steve Clayton Rausch | | |

† Presenting Undergraduate Author; ‡ Contributing Undergraduate Author; * Undergraduate Acknowledgment

- 9003 *Aritro Chatterjee†; Evan Chareunsouk Sengsanith†; Lauren M Burch†; Camden Michael French†; Lucas Michael Rulo†; Yana Manishkumar Shah†; Likith Reddy Singam†*
Mentor(s): Robin Carpenter
- 9004 *Zhaoru Chen†; Nicholas Helushka†; Seongwon Hong†; Minghan Wang†; Arina Harlanovich†; Milen Mundackal Manoj†*
Mentor(s): Abinands Ramshanker; Mark Senn
- 9005 *Sanjna K Chokshi†; Joshua Paik†; Nishaant Kunal Shah†; Elina Ashish Shah†*
Mentor(s): Fiona Kolbinger; Fengqing Zhu; Soudabeh Taghian Dinani
- 9006 *Indrayudh Chowdhury†; Adam Jacob Keith†*
Mentor(s): Mark Johnson; Isaac P Hagedorn; Vishnu Chaithanya Lagudu
- 9007 *Ryan James Cook†*
Mentor(s): Ryan James Cook
- 9008 *Satyam Vipulbhai Dave†; Yana Sheoran†*
Mentor(s): Matthew Lanham
- 9009 *Joan Dominguez Lora†*
Mentor(s): Laura L Ingwell
- 9010 *Seth Christian Graber†*
Mentor(s): Vishnu Chaithanya Lagudu; Isaac P Hagedorn
- 9011 *William John Greenwood†; Noah Anthony Wisniewski†*
Mentor(s): Younggil Chang; Amikosh Dube; Shreyas Sundaram
- 9012 *Christopher Barnes Haynes†; Hayden Leonhard Supple†; Edwin Alvarado†*
Mentor(s): Kevin T Lee
- 9013 *Cole Allen Hufford†; Madilyn Grace Shingle†; Jack Brian Cramer†; Alexander Marcus Krapel†; Nolan Douglas Brown†*
Mentor(s): Steve Clayton Rausch
- 9014 *Dhruv Roopchand Khatri†; Zafeer Aaryan Reza†; Yan-Jun Lin†; Wei-Yun Liu†*
Mentor(s): Timothy Francis Hein; Mark Johnson
- 9015 *Mingyu Kim†; Mohamed Sameh Abdeltawab Abdelmouty†; Mohamed Alaa Mohamed Ahmed†*
Mentor(s): James C Davis
- 9016 *Zelin Li†*
Mentor(s): Yu She; Jaeun Kim
- 9017 *Zelin Li†*
Mentor(s): Curtis Earl Marshall
- 9018 *Jessica Frances Lyng†; Rongbo Hu†*
Mentor(s): Abolfazl Hashemi; Zijian He
- 9019 *Cohen Scott Meredith†; Elliott Samuel Korentager†; Willard Gabriel Rash Cuevas†; Gavin Robert Beyers†; Owen Michael Bartel†; Toby Dwayne George‡; Meghana Sunil Kumar‡; Pralhad Prashant Mundargi‡; Samir Niradbhai Patel‡; Gavin Wang‡; Andrew Loren Peterson‡*
Mentor(s): Ken Yoshida; Awadh Mubarak M Al Hawwash
- 9020 *Gavin Neal Meyers†; Zachary Gosnell†; Rudra Vimlesh Patel†; Gavin Allen Arner†; Jin Park†*
Mentor(s): Steve Clayton Rausch
- 9021 *Sonal Naik†*
Mentor(s): Vaneet Aggarwal; Denny Yu
- 9022 *Dang Kim Minh Nguyen†; Donhyung Ko†; Nam Hoang Tran†; Muhammad Usman Mushahid†*
Mentor(s): Edward J Delp
- 9023 *Seungkeun Oh†; Shishir Tumma†*
Mentor(s): Shreya Ghosh
- 9024 *Dev M Patel†; Tri Than†; Medha Mahesh Shinde†; Benjamin Aaron McDowell†*
Mentor(s): Cole Aaron Nelson; Johnathan Hong
- 9025 *Akshath Raghav Ravikiran†*
Mentor(s): Han Sae Kim; Jinha Jung
- 9026 *Robert Viktor Rozhanskyy†*
Mentor(s): Isaac P Hagedorn
- 9027 *Tanmay Singla†*
Mentor(s): Dharun Rajkkumar Anandayuvraj
- 9028 *Rohil H Tailor†; Yongwook Lee†; Ammar Hafiy Bin Abd Ghaffar†; Jacob Metcalff†; Rikhil Tadiparthi†; Neal Jacob Grogg-Reading†*
Mentor(s): Kevin T Lee
- 9029 *Laasya Thiagarajan†*
Mentor(s): Shubhra Bansal; Huilong Liu
- 9030 *Eric Chase Williamst†; Michael Brayden Hudson†; Jacob Tyler Rentat†; Tsz Pui Jiang†; YuKuan Lu†*
Mentor(s): Arvind Krishna Radhakrishnan; Steve Clayton Rausch
- 9031 *Yutong Wu†; Sayee Sabri Anand†; Aditya Hegde†; Hao-Chen Li†*
Mentor(s): Steve Clayton Rausch

OUR *Connect*

PURDUE'S UNDERGRADUATE RESEARCH PORTAL

RECRUITMENT

POST & MANAGE project administration

SEARCH & APPLY TO research positions

REPORTING

TRACK & RECORD projects over time

COMPLETE undergrad research learning contracts

CONFERENCE MANAGEMENT

SUBMIT & UPDATE presentation abstracts

APPROVE presentations and availability

Login to update your profile to
CONNECT with the possibilities





FALL EXPO NOTES

SAVE THESE DATES:

MARCH 27, 2025: Undergraduate Research Pitch Competition

APRIL 8 & 10, 2025: Spring Undergraduate Research Conference

JULY 30, 2025: Summer Undergraduate Research Symposium

NOVEMBER 18 & 19, 2025: Fall Undergraduate Research Expo



ABSTRACT BOOK



Office of Undergraduate Research