PURDUE UNIVERSITY | Office of Undergraduate Research

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Fall 2025 Undergraduate Research Expo: List of Mentors and non-Student Acknowledgments

Name spellings appear as submitted in OUR*Connect*. Names may be edited (for future reporting) via "my profile" in OUR*Connect*.

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Abdelraheem, Ahmed	7047	Jack Thomas Willard†	Design of Electrically Small Dielectric Resonator Antennas
Abughali, Anas Zyad	1290	Dev M Patel† Sirui Yang† Joseph Allen Sowers†	Lockup-free Cache Verification based on UVM Platform
Abughali, Anas Zyad	1499	Preston Daniel Perkins† Omar Habib Habli† Jeffery Xiaotian Liu†	I2C UVM Testbench
Abughali, Anas Zyad	9000	Mohamed khaled Mohamed Atta† Don Anh Nguyen†	AHB-APB Bridge UVM
Adair, Christopher T	9044	Dylan James Whitlow†	Effect of Silage Tarps on Early-Season Weed Control in Potato
Adams, Nicole	1004	Nathan James Arnold† Carly Melissa Frith† Wei-Yun Liu† Prithika Rashmi Gopal† Lucas Soldano‡ Owen Jacob Lee‡ Rhys Marie Shilling‡ Sahitya Shivany Satish Kumar‡ Victor Ionut Ene* Parth Kailash Dubal*	Autonomous Emergency Response UAV for Rapid NARCAN Delivery
Adams, Nicole	7053	Sai Geethanjal Koduru† Olivia K Williams*	Bridging Small Businesses and Community Health: The Case for Recovery-friendly Workplaces in the North Central Region
Ademoye, Taiwo Ademola	1705	Lydia Jane Stone† Natalie Grace Horgan*	Dual-Acting Small Molecules Targeting Alpha-Synuclein Aggregation and Soluble Epoxide Hydrolase for Parkinson's Disease
Adeola, Mopelola T	1275	Kelly Marie Makovic† Dave A Ceniza† Sai Dhanush Pulligilla† Logan Villena Obrique†	Nursing clinical crisis? Assessing the relationship between clinical site commute distance and sleep habits on the cognitive performance of nursing students
Adolay, Emilia Jean	1676	Julie Thu Anh Phung†	Impact of Pre-Gestational Acute Kidney Injury on Pregnancy Outcomes and Offspring Development in Mice
Agrawal, Rakesh	1679	Myriam Julieth Rangel Miranda†	Thin film optimization for BaZrS3 chalcogenide perovskite
Ahammad, Raju	1683	Luis Andre Romero Alvarez†	Molding of Hybrid Continuous and Discontinuous Fiber Systems to Improve Strength and Reduce Variability
Aime, Mary	7113	Robert james Lyon†	Using leaf disk assays to culture and diagnose Coffee leaf rust
Ajagu, Richard Osita	1208	Siddarth Balaji Calidas† Aadya Rangole† Aya Wael Mohammed Tawfik Elghayaty† Andrew Dominick Angel† Pin-Hsuan Tu‡ Marko Daniel Peric‡	Autonomous Car Racing: A Weather Resistant Simultaneous Localization and Mapping Implementation
Ajagu, Richard Osita	1236	Paul Michael Hamas† Akram Reda Mahmoud† Owen Chen†	VIP Digital Twin

Name	Presentation	Students	Title
Ajagu, Richard Osita	1269	Jacob Charles Long† Chengming Wu† William David Bridgnell† Andrew Joseph Shelley‡ Alexander T Valdes‡ Margulan Mukhametkarim‡ Steven James Van Hulle‡	NSWC Autonomous Boating Challenge
Ajagu, Richard Osita	1278	Suhani Mathur† Kareem AbdelHameed Hassan† Farah Moussa† Shaunabh Bose† Srihith Gangireddygari†	Simulating Adverse Weather Effects on Perception and Localization in Autonomous Racing
Ajagu, Richard Osita	1298	Akul Ramasubban† Andrew Clark Cowen Cerrato† Alexander Haitian Zhang† Andrew Ryan Davidson† Avantika Shah* John Michael Wyman* Mohamed Mahmoud Zaitoun* Anubhuti Mittal*	Multi-Agent Simulation of Autonomous Drone Behavior in MATLAB Simulink
Ajagu, Richard Osita	1309	Avantika Shah† Anubhuti Mittal† Mohamed Mahmoud Zaitoun† John Michael Wyman† Andrew Ryan Davidson‡ Andrew Clark Cowen Cerrato* Alexander Haitian Zhang* Akul Ramasubban*	A Game-Theoretic Control Framework for Competitive Drone Racing
Ajagu, Richard Osita	1491	Sameer Ravi Murthy† Bea Alyannah Magsayo Cortes† Yash Rajendra Ashtekar† Tanay Jain†	Segmentation model and path planning
Ajagu, Richard Osita	1629	Matthew Douglas Frago† Sumit Suditya Biswas† Suraj Ketan Patel† Benjamin Tianming Sun†	VIP Independent Motor Control- Dynamics & Controls Sub-team
Ajagu, Richard Osita	1726	David Michael Yuhas† Griffin Xander Kanzeg† Ibrahim Shahid† Marco Alexander Wilson† Pedro Andres De Jesus Velez‡ Kyle Junzhe Wang‡	AMP: Independent Wheel and Motor Control Integration Sub-Team Fall 2025
Ajagu, Richard Osita	7055	Sofi Zhang Schmitt† Siddhant Monish Tandale† Milica Slavkovic† Akul Goyal†	Unprotected Lefts and Merges: Evaluating Classical vs. Learned Planners in Rare Traffic Interactions
Ajagu, Richard Osita	7056	Milica Slavkovic† Jacob Junjie Zhang† Diya Meeniga†	Unprotected Lefts and Merges: Evaluating Classical vs. Learned Planners in Rare Traffic Interactions
Ajagu, Richard Osita	7086	Alexander T Valdes† Andrew Joseph Shelley† Steven James Van Hulle† Margulan Mukhametkarim† Chengming Wu‡ Jacob Charles Long‡ William David Bridgnell‡	NSWC AIMM ICC Autonomous Boating Challenge

Name	Presentation	Students	Title
Ajagu, Richard Osita	9028	Aarya Patnaik† Letizia Angelica Echevarria† Aidan Kwan† Martin Ufer Aldana† Jae Hun Oh‡ Mathias Ufer Aldana‡ Yen-Ting Liu‡	Integrating Drive-by-Wire Systems for Autonomous Go-Kart Control
Ajuwon, Kolapo	1614	Logan Carlson†	Response of Human Intestinal Epithelial Cells to Exposure to Caffeine and Alcohol
Al-alawi, Hassan	1279	Shresth Mathur† Akshath Raghav Ravikiran† Muhammad Zohaib Ali†	Integrating SIMT and Scalar Cores to Manage Control Flow Divergence
Alajlouni, Ruba Ahmad Qwai	1806	Isabella Virginia Levine†	Isolation and Characterization of Arthobacter phage LetsGoKnicks from West Lafayette, IN
Alam, Waqas	1291	Arnab Paul† Hassan Mustafa Tagar‡	Ultra-Low Thermal Conductivity PVDF-rGO Membranes for High Efficiency Thermal Desalination
Alam, Waqas	1461	Dev Vishwash Joshi† Mirza Orunav Shahper†	Biogenic Membranes with Ultralow Thermal Conductivity for Enhance Water Desalination
Albers, Geriann	1003	Rebeca Joyce Appelmann† Kylee Ann Thorson* George D Emerson*	Assessing gray fox occupancy along forest edges in Indiana using camera traps
Alkire Britton, Erin	1074	Kristen Taylor O'Leary† Leah Marie Brown† Nicole Marie Welsh† Mary Allison Conway†	Sipping on Strategy: Identifying Early Adopters for a Premium Tasting Subscription Service
Alkire Britton, Erin	1414	Iszabel Sierra Cohen† Shelby Jo Schambach† Rachel Hope Campbell†	Marketing Research for Terroir Tasting
Alkire Britton, Erin	1415	Alexander Jonathan Collins† Jason Wu† Evan Ryan Ware†	Family Systems and Task Distribution: Exploring Digital Solutions to Enhance Household Collaboration
Alkire Britton, Erin	1420	Konner DeWitt† Marissa Shuluo Urbanek† Christopher Charles Rubright† Angel Wang†	Engaging Local Youth for Improved Summer Sales at Red Mango
Alkire Britton, Erin	1448	Benjamin Michael Heaviland† Krishna Vadlamani† Yuhui Qin† Cale Lusk Bennett†	Marketing Research Project with Union Club Hotel
Alkire Britton, Erin	1523	Elle Miriah Stowers† Lauren Riley Clark† Parker Nadaline Sikora† Margaret Elizabeth Padgett†	We are Greater Together: Greater Lafayette Chamber of Commerce Research Analysis
Alkire Britton, Erin	1727	Ashley Zachor† Taotianchen Wan† Erika Marie Graf† Claire Marie Campbell†	Purdue Local Business Marketing Research Strategics
Alkire Britton, Erin	7041	Ethan James MacKinnon† Emeline Marie Papp† Sydney Jo Muller† Andrew Thomas Gheen†	Flora Candle Company Marketing Research
Alkire Britton, Erin	7077	Alexandra Mae Hildreth† Kimi Wilkinson† Ella Grace Bottorff†	Analyzing Purchasing Trends and Consumer Segments to Enhance Marketing Strategy for Purdue Convocations
Altman, Ryan Alan	1671	Felicia Jesutofunmi Onawola†	Design and synthesis of selective Delta Opioid Receptor agonists
Altstatt, Rosanne	7130	Natalie Grace Horgan† Francis Willow Quinn Corvin†	Designing Inclusive Student Organizations: A Student-Led Accessibility Initiative at Purdue
Alvey, Kyle Robert	1101	Shriya Haresh Shirvadekar†	Should Schools Require Annual Dental Checkups?

Name	Presentation	Students	Title
Alvey, Kyle Robert	7071	Abigail Elizabeth Byers†	Breaking the Cycle: Improving the US Justice System with Rehabilitation Strategies
Ambike, Satyajit S	1503	Harlie Elizabeth Robbins† Sridevi Ramkumar†	Walking Adaptations on Indoor and Outdoor Stairs and Inclines
Anandan, Sudharshan	1627	Lily Dawn Farmer†	Self-Pumping Membranes
Anandan, Sudharshan	7068	Tyler James Hughes†	Acoustic Enhancement of Porous Filters in HVAC Systems for Submicron Bioaerosol Removal
Anandan, Sudharshan	7069	Sohum Singh Sodhi†	Acoustic Bioaerosol Removal in HVAC Systems
Anasori, Babak	1247	Dylan Mark Huamani†	High Throughput Synthesis of Super-ordered MAX and MXene for Magnetic Properties
Anasori, Babak	1441	Bhoomika Kumar Gowda†	Cation decoration of Ti3C2Tx for structural and magnetic tuning
Anderson, Jennifer	1676	Julie Thu Anh Phung†	Impact of Pre-Gestational Acute Kidney Injury on Pregnancy Outcomes and Offspring Development in Mice
Anshul, A	7098	Isabel Estela Lusky† Samuel S Copeland†	A Comparison of Lipid Nanoparticle Cholesterol Composition using Molecular Dynamics Simulations of Coarse-Grained Models
Appenzeller, Joerg	1059	Ying-Wei Lin† Kenzo Avery Evans† Eli Bradley Ade† Rex Wu‡ Sabastian Hunter Hamilton‡	Process Development and Characterization of Through-Silicon-Vias (TSVs) Using Photoresist Soft Mask Etching for Advanced Packaging
Appenzeller, Joerg	1077	Hao Tian Pang† Benjamin Eunsang Ryu† Huan Yi Kuo† Qiming Chai† Kevin Yu‡	Metal-Insulator-Metal Capacitor Manufacturing and Design | VIP SPC MIM Team 5
Appenzeller, Joerg	1466	Jozue Kim† Kyle Zhen-Han Wang† Robert James Gentle† Azizul Zikry Mohd Amaluddin† Haneul (Sky) Kim‡	Metal-Insulator-Metal Capacitor Fabrication Optimization with Statistical Process Control
Appenzeller, Joerg	1492	Laksh Nagpal† Robert Maxwell Neitzke† Venya Bhardwaj† Ahmad Hazim Akmal Bin Rosmahidi† Nolan Cai Tai‡	Statistical Process Control on Metal-Insulator-Metal Capacitors
Appenzeller, Joerg	1603	Ryan Prado Bailey† Athavan Arvind† Leo Jeffrey Janert† Sarah Marie Kolp† Benjamin Aaron McDowell‡	Metal-on-Metal Contact Through Reactive Ion Etching of Silicon Dioxide | VIP SPC MIM Team 1
Appenzeller, Joerg	1658	Matyas Kubon† Anas Zyad Abughali† Dipali Rebecca Abraham† Ananya Anand Nadkarni† Zixuan Fei†	Fabrication and Process Control of Metal-Insulator-Metal Capacitors Using Ion Milling | VIP SPC MIM Team 3
Arana Cordonero, Jeanine Auxiliador	9044	Dylan James Whitlow†	Effect of Silage Tarps on Early-Season Weed Control in Potato
Ardekani, Arezoo	1008	Alexander Carnevale† Gabriel Scott Shifflett† Nikitha S Kambi† Manas Kathuria†	Modeling Fluidic System to Comprehend Drug Transport in the Maternal-Fetal Membrane
Ardekani, Arezoo	7034	Rhea Rakhra† Clayton Drook† Lourd Saba AbuHadid† Aakash Sanjay‡ Sanika Sudhir Bane‡	Physical Modeling Placental Transfer of Small Molecule Drugs

Name	Presentation	Students	Title
Ardekani, Arezoo	7051	Aakash Sanjay† Sanika Sudhir Bane† Rhea Rakhra‡ Clayton Drook‡ Lourd Saba AbuHadid‡	Physical Modeling Placental Transfer of Small Molecule Drugs
Artsiusheuski, Mikalai	1608	Valeria Borja Dorado†	Synthesis of Zirconia Oxide Nanostructures Enriched in Low-Coordination Lewis acid-base pairs
Aryal, Sadikshya	1486	Isabella Marie Mayr† Sarah Lisa Steffey*	Dimerization and Functional Characterization of Adenylyl Cyclase Isoforms 6 and 9
Ault, Aaron C	1604	Samyukta Balaji† Ellis Reuben Selznick† Ekaterina Tszyao† Behruz Izbaev†	Complete Online Database of Invertebrate Fossil Genera
Ault, Aaron C	1693	Ellis Reuben Selznick† Congtian Wu† Samyukta Balaji† Yuanfei Song†	Timescale Creator Online
Babakhani Galangashi, Reza	1296	Shreya Shrikrushna Pulujkar† Sounish Ghosh† Andrew Jonathan Savysky† Ying-jen Chen†	Mechanical Behavior Of Subcutaneous Injections and Implications on Injection Site Reactions
Babakhani Galangashi, Reza	1439	Clara Marie Anne Goffioul†	Optimizing Deep Learning Models for Enhanced Detection of Subvisible Particles in Pharmaceutical Development
Babakhani Galangashi, Reza	1613	Zoe Nicole Campagna† Abigail Elisabeth Gansler† Sparsh Bansal†	Development of Feature Set for Autonomous Classification Systems for Subvisible Particles in Biotherapeutics
Babakhani Galangashi, Reza	1680	Disha Ransingh† Sai Aiswarya Sadagopan† Rishika Ramakrishnan† Jonas Villabroza† Jane Zhao‡	Deep Learning for Enhanced Analysis of Depot Formation and Diffusion in Auto-Injector Devices
Babakhani Galangashi, Reza	1690	Bella Irma Schaetzle† George Panagos† Myra Rawar Khare† Anas Eyad Rafei†	Optimizing Deep Learning Models for Enhanced Detection of Subvisible Particles in Pharmaceutical Development
Babusis, Nicholas Vytautas	1483	Mathis Malaussena† Liam Allen West†	Combined Two-Color Resonance-Enhanced Multiphoton Ionization (2-Color REMPI) and Coherent Microwave Scattering for Diagnostics of Electric Propulsion Systems
Bae, euiwon	1405	Trisha Boodhoo†	Design of miniaturized microbial light scattering detection system
Bajaj, Shivam	1510	Soham Samir Seksaria†	Incentive Design for Home Heating System: Simulation Study for Incentivized-UCRL2 Algorithm
Bakx, Carolyn Marie	1065	Allison Paige Vick Miller† Emily Courtney Chan† Josi Laura Gallo‡ Grace Enpei Chen‡ Luke Thomas Benner‡ Brhandom Jeishryel Brisueno Lopez‡	Hotfoot: Effects of Combined Foot Heating and Compression for Type 2 Diabetes
Bakx, Carolyn Marie	1432	Josi Laura Gallo† Grace Enpei Chen† Allison Paige Vick Miller‡ Emily Courtney Chan‡ Luke Thomas Benner‡ Brhandom Jeishryel Brisueno Lopez‡	Skin blood flow response to local heating across control, type 2 diabetic, and peripheral artery disease conditions

Name	Presentation	Students	Title
Bakx, Carolyn Marie	7107	Luke Thomas Benner† Brhandom Jeishryel Brisueno Lopez† Grace Enpei Chen* Emily Courtney Chan* Josi Laura Gallo* Allison Paige Vick Miller*	Heat and Intermittent Pneumatic Compression to Lower Extremity Result in Increased Oxygen and Deoxyhemoglobin Saturation and in Healthy and Pre-Diabetic Individuals
Balian, Lara Nicole	1073	Jessica Chinyeaka Nwokeji† Sarah Adeline Jolley†	Evaluating the Impact of Community Health Worker-Led Education on the Cervical Cancer Knowledge and Attitudes Seen in People Experiencing Homelessness
Banko, Andrew	1223	Jack Drabenstott†	Leveraging Sequential Pattern Mining for Predictive Military Aircraft Maintenance
Banko, Andrew	1226	Matthew Ellsworth† Broc Gilland†	A Simple Thermoelectric Device for Batch Distillation
Banko, Andrew	1232	Ananya Ganesh† Babe Kwasniak†	Exploring Chaotic Scrambling Solutions
Banko, Andrew	1234	Broc Gilland† Matthew Ellsworth†	A Simple Thermoelectric Device for Batch Distillation
Banko, Andrew	1239	Kennedy Hecker†	Optimizing MRE Packing Process: From Dimensional Analysis to Container Loading Problem
Banko, Andrew	1322	Gabrielle Wahjosoedibjo†	Spectroscopic Investigation of Er3+ doped Materials for Visible Laser Sources and Defense Applications
Banko, Andrew	1328	Kathryn Wegler†	From Mines to Models: A MBSE Approach for a Future Area Denial System
Barbarash, David Michael	1612	John Nicholas Burns† Reed Ellis Baker† Noah Lee Timonera Federovitch† Yuan Chi Chang† Akash Amalarasan‡	Developing Realistic Environments: Improved Complex Environmental and Human Behavior Simulation
Barbarash, David Michael	1695	Mihika Sharma† Prisha Sunil Bangera† Richard Lin† Monish Jonnadula† Shrey Parikh‡ Chun-Yu She‡	Simulating Senses: Modelling Personality-Based Perception and Decision Making in NPCs
Barnum, Miriam Marina	1086	Abigail Elizabeth Preston†	Balancing Science and Society Finland's Solution to Nuclear Waste Management Using Onkalo, the World's First Deep Geological Repository
Barocio Vaca, Eduardo	1211	En-Hua Chang†	Large Format Additive Manufacturing - Anisotropic Shrinkage and Crtstallization Kinetics in Semi-Crysalline Polymer Composite
Barocio Vaca, Eduardo	1418	Francisco Javier De La Victoria Vazquez† Luis Manuel Alvarez Casillas‡	Evaluation of Thermoplastic Composite Rivets for Single-Lap Joints: Comparison with Induction and Hybrid Joining Methods
Barocio Vaca, Eduardo	1683	Luis Andre Romero Alvarez†	Molding of Hybrid Continuous and Discontinuous Fiber Systems to Improve Strength and Reduce Variability
Barocio Vaca, Eduardo	1714	Bruno Marcelo Uribe Velazquez†	Development and Preliminary Characterization of a Robotic WAAM Platform for Metal Additive Manufacturing
Barocio Vaca, Eduardo	7059	Paul Kyu-Hwan Park†	Thermomechanical Stress Prediction and Validation in Modular Additively Manufactured Fiber-Reinforced Composite Tooling with Adhesive Bonding
Bartlett, Edward L	1474	Hrishikesh Murli Krishna† Jax Patrick Marrone‡	Sex Differences in Distortion Product Otoacoustic Emissions Following Small Arms Fire-like Noise Exposure
Bass, Casie S	1002	Taylor Caroline Anderson†	Multispecies grazing effects on internal parasite loads in horses and goats.

Name	Presentation	Students	Title
Bass, Casie S	1022	Allison Meckenzie Downey† Lydia Ilene Price† Alivia J Meeks† Alexis Rae Benson‡ Delani J Henderson‡ Megan Nicole Broecker* Taylor Caroline Anderson*	Pre- and Post- Exercise Cutaneous Temperatures
Bass, Casie S	1030	Sydnie Rose Frost† Hannah Irma Reyes Charles† Madalyn Marie Molnar‡ Haleigh Alexandra Tussinger‡ Megan Nicole Broecker* Taylor Caroline Anderson*	Does usage of a probiotic influence measurable changes of equine Coronavirus (ECoV), Clostridium A, and Clostridium B?
Bass, Casie S	1069	Madalyn Marie Molnar† Haleigh Alexandra Tussinger† Sydnie Rose Frost‡ Hannah Irma Reyes Charles‡ Megan Nicole Broecker* Taylor Caroline Anderson*	Enteric health management in horses: can probiotics impact various disease-causing microorganisms?
Bass, Casie S	1124	Gwen Elizabeth Weaver† Karolina Maria Beveridge† Samuel Isaiah Piper† Cicelia Suzanne Martin‡ Elizabeth Ann Nobbe‡	Temporary blanketing effect on cutaneous temperatures of horses with various coat colors.
Bass, Casie S	1240	Delani J Henderson† Alexis Rae Benson† Allison Meckenzie Downey‡ Lydia Ilene Price‡ Alivia J Meeks‡ Megan Nicole Broecker* Taylor Caroline Anderson*	Cutaneous Temperature Differences in Mares vs Geldings
Bass, Casie S	1330	Reilly Cole Wennemar† Kaylie Danielle Spata† Kolton N Logsdon† Jenna N Honnert‡ Elizabeth Ann Habeeb‡	Gelding behavior response to estrual mare urine.
Bass, Casie S	1610	Megan Nicole Broecker†	Effects of Age on Rat Reproduction
Bass, Casie S	1639	Jenna N Honnert† Elizabeth Ann Habeeb† Kolton N Logsdon† Kaylie Danielle Spata‡ Reilly Cole Wennemar‡	Gelding behavioral response to estrual mare urine.
Bass, Casie S	1657	Dakota Dawn Kovanda† Leea Marie Persinger† Aidan Mitchell Conley† Ella Marie Horrall†	Correlation of White Genes with Deafness in Horses
Bass, Casie S	1853	Elizabeth Ann Nobbe† Cicelia Suzanne Martin† Karolina Maria Beveridge‡ Gwen Elizabeth Weaver‡ Samuel Isaiah Piper‡	Differences in cutaneous temperatures of three large muscles in horses blanketed short-term.
Bathina, Rishikesh Reddy	1015	Alexander Raffaele Ciccarelli† Jacob Adam Clark†	Datacenter Network Accelerator: Hardware Kernels
Bathina, Rishikesh Reddy	1032	Mridulla Ganesh† Soumil Verma† Aditya Hegde†	Datacenter Network Accelerator: Software Simulation and Verification
Bathina, Rishikesh Reddy	1293	Brady Owen Philhower† Nolan Porter Jones† Weichih Hsieh†	Datacenter Network Accelerator : NIC - Physical Layer Parsing and Generating
Bathina, Rishikesh Reddy	1315	Parin Paresh Timbadia† Qinjia Xu‡	Designing an Ultra-Low-Latency FPGA Accelerator for High-Frequency Trading

Name	Presentation	Students	Title
Bathina, Rishikesh Reddy	1468	Joshua David Klug† Michael Lee† Navya Harini Datla†	Optimizing Instruction Scheduling with a VLIW Processor Design
Bathina, Rishikesh Reddy	1513	Jaanav Bhavin Shah†	Accelerating a Polyphase Filter bank on an FPGA for NASA
Bathina, Rishikesh Reddy	1615	Cynthia Sarai Castaneda† Yunfei Gao† Arnav Pravinkuma Namdev†	Datacenter Network Accelerator: Memory System
Bathina, Rishikesh Reddy	1704	Maxwell Christophe Sprague† Branden Woojin Cho† David Kim† Wilson Wong*	Datacenter Network Accelerator : NIC - Transport Header Processing
Batista Trentin, Alex	7112	Kaitlyn Marie Annunziata†	Examining Bias in DNA Extraction of Surface Attached Soil Bacterial Communities
Baumgartner, Beth Elly	1038	Jackson James Hoese†	Erik Erikson's Eight Stages of Development and their Importance in Family
Baumgartner, Beth Elly	1081	Nicholas Alexander Peck†	R.I.C.E: Is it Really The Best?
Baumgartner, Beth Elly	1243	Abigail Vega Hershberger†	The Extensive and Largely Detrimental Effects of AI Use in the Classroom
Baumgartner, Beth Elly	1306	Hannah M Schultz†	How Travel Impacts the Mind
Baumgartner, Beth Elly	1673	Jaser Ahmed Pallikonda Latheef†	Screens Causing Autism: Another Hoax or No?
Baumgartner, Beth Elly	1687	Emily Grace Marie Saldivar†	How Does Car Design Affect Our Interpretation of Cars?
Baumgartner, Beth Elly	1689	Isaiah William Schaefer†	The Economics of Happiness
Baumgartner, Beth Elly	7036	Greeshma Manchikanti†	Seeds of Suffering: How Pesticides Harm Farmers and Cause Parkinson's Disease
Baumgartner, Beth Elly	7054	Denice Arriane Guillot†	Rooted in Wellness
Baumgartner, Beth Elly	7090	Gracelyn Kay Druelinger†	Children with ADHD: Calling for Social and Academic Support
Bautista Parra, Catalina	1803	Stamatia Eleni Katsaros† Jasmine Alayna Luckett*	Formation of Mars-like soils in southern Peru's hyper arid Atacama Desert
Bedford, Annabelle Leigh	1247	Dylan Mark Huamani†	High Throughput Synthesis of Super-ordered MAX and MXene for Magnetic Properties
Bedford, Annabelle Leigh	1249	Spencer William Isbell†	Magnetic Tuning Induced by Doping Mn into Double Transition Metal MXenes
Bedford, Annabelle Leigh	1441	Bhoomika Kumar Gowda†	Cation decoration of Ti3C2Tx for structural and magnetic tuning
Bednarz, Leland	7021	Akshith Karri†	Young or Rejuvenated? Probing the Origins of Massive Alpha-Enriched Stars
Begeske, Jasmine	1484	Lucas Allen Mathies†	Beyond the Bell: A Qualitative Comparative Analysis of Relational Practices That Shape Pre-Service Teachers' Understanding of Student Needs
Belkadi, Dhiya eddine	1229	Zixuan Fei†	Integration and process compatibility of electrochemical and semiconductor sensors for wearable systems
Bellisario, Kristen Marie	1052	Lukas Benjamin Kraft† Jordan Ma'sandra Sue Hinkle*	Comparing Wildlife Diversity and Activity in Wetlands and Floodplain Habitat in North Western Indiana
Bellisario, Kristen Marie	1280	Zoe Kathryn Mercer† Felicity Hayahn Park-Smith‡	Design & Development of a Portable, User-Friendly Quadrat for Efficient Field Sampling
Bellisario, Kristen Marie	1425	Aidan Benjamin Feirstein† Audrey Dickinson†	How do Indiana Forest Soundscapes Change in Relation to Disruptive Weather Events?
Bellisario, Kristen Marie	1664	Abigail Rose Malott† Alexandra Grace Early† Katerina Murkes‡	Comparing eDNA Results to Camera Trap Data to Determine Biodiversity
Bellisario, Kristen Marie	7079	Sierra Hunnicutt† Atlas James Linville*	The emergence of annual patterns in bobcat (Lynx rufus) presence in relation to seasonal flooding and species life history
Bellisario, Kristen Marie	7080	Antonia Christina Alexiou† Lourdes Gabrielle Ferrer-Ortiz‡	Ecological impact of controlled deer hunting on bobcat prey activity and richness in Indiana

Name	Presentation	Students	Title
Bellisario, Kristen Marie	7081	Cameron Jean Gibson† Felicity Hayahn Park-Smith* Zoe Kathryn Mercer*	A Sweet Spot in the Shade: Dynamics between canopy cover, herbaceous vegetation, predators, and prey
Benedicto, Elena	7023	Prasiddhi Shivakumaran†	Distinctive Vowel Lengths in Mayangna
Bennett, Junior Anthony	1042	Zhengyi Jiang†	Advancing Gesture-Based Instructional Videos for Statistical Learning: From Design to Experimental Testing
Bermel, Peter	1059	Ying-Wei Lin† Kenzo Avery Evans† Eli Bradley Ade† Rex Wu‡ Sabastian Hunter Hamilton‡	Process Development and Characterization of Through-Silicon-Vias (TSVs) Using Photoresist Soft Mask Etching for Advanced Packaging
Bermel, Peter	1230	Andrew Owen Fewell†	Evaluation of Bit Error Rate Performance in Optical Transceivers within the Subcritical Pile
Bermel, Peter	1250	Roxsonna Nika Janiszewski†	Modeling PV Microgrids with Integrated Battery Storage for Energy Resilience in Puerto Rico
Bermel, Peter	1329	Jasper Louis Wei†	Minimizing Mismatch Losses in BIPV Systems Under Predicted Shading Conditions Using LTspice Simulations
Bermel, Peter	1447	Grace M Heaney†	Solar-Powered Charging Dock for E-Bikes and Scooters: A Sustainable Urban Mobility Solution
Bermel, Peter	1457	Vandana Dhriti Iyer†	Maximizing use of Photovoltaics in Electric Vehicles
Bermel, Peter	1527	Sunny Townsend† Nicholas Paul Santorelli†	Investigating the Effect of Anti-tracking in Co-location Food and Energy Production
Bermel, Peter	1600	Marawan Sultan Mah Abdulsattar†	Predictive-Reactive BIPV Electrical Array Reconfiguration
Bermel, Peter	1643	Chun-Kang Huang† Uyen Do† Bobby Gu† PO-Tsung Hsu† Eric Younghoon Song† Luke Michael Satchell‡	A High-Selectivity Workflow Using Al2O3 Mask in Bosch Etching for 3D Advanced Packaging
Bermel, Peter	7102	Anusha Gambheera† Orion Kai Larson† Tim Jacques van Antwerpen† Saloni Pothireddy† Evanjaline Sherl Sahaya Rajesh Durai‡	Physical Vapor Deposition (PVD) for Through-Silicon Via (TSV) Fabrication
Bermel, Peter	7103	Charles Spencer Bowles† Andrew Robertson†	Simulation of Modified Coherent Ising Machines for LLM Inference and Training
Bermel, Peter	7118	Tobias Mikael Cars† Aaron Fernandes† Chase John Grimm† Romy Kim†	Process Development and Characterization of Through-Silicon-Vias (TSVs) for 3D Advanced Packaging
Bernal, Ximena	1699	Jabez Soongeui Shin† Stiwar Albeiro Catano Cardeno‡	Effects of artificial light at night and traffic noise on tadpole development and physiology
Bernal Neira, David Esteban	7110	Alan S Yi† Daniel Anoruo‡	QUAFFLE: Quantum U -Net Assisted Federated Flood Learning and Estimation

Name	Presentation	Students	Title
Berry, Frederick C	1430	Marisa Jean Fredrickson† Nathan Tian-Lin Wan† Eliana Elise Roeder† Somya Sakalle† Christina Lee‡ Sebastian Sea-Tian Ting‡ Devashree Parambath‡ Sooji Lee‡ Sahil Jain‡ arunima chowdhury* Arnav Daryani* Natalia Cadence Hombs* Aryan Kaul* Amber Kuoiwa Khauv* Mert Ryan Kiroglu* Hai Lam Le* Ryan Patrick Leonard* Michael Ming Li* Hridhay Monangi* Abhik Mullick* Rishi Mantri* Pratham Jigneshbha Patel* Shamsad Rahman* Dean Snyder* Sophia Elizabeth Steele* Roohee Esha Urs* Sami Nasser Zagha* Taryn Celia Zakrzewski*	Machine Learning in Motion
Bhandari, Santosh	1708	Jonathan Maxwell Sutjandra† Andrew Christopher Nilsson† Asrar Ul Haq Asrar Ul Haq†	Higgs Boson vs Background Signal Machine Learning
Bhandari, Santosh	7075	Dewang Sahay† Kai James Sustersic† Jacob Antony†	Deep Neural Network to Separate the Higgs Boson Signal from Background Noise using Compact Muon Solenoid (CMS) data
Bhatnagar, Adi	1041	Ian William Jack† Stephen Feiyang Wang‡	High-Optical-Depth Cold Atom Ensemble for Narrowband Entangled Photon Generation
Biasetti, Olivia Ann	1427	Jonathan Lester Flinn†	Sublethal Impacts of Perfluoroalkyl Substance Mixtures and Parasite Exposure on Gray Treefrog Tadpole (Hyla versicolor) activity.
Bilionis, Ilias	1855	Maurice J Reimer†	Investigating Large Language Model-Based Decision Making for Deep Space Habitat Systems
Bishop, Owen Lucas	7002	Meghana Kumar† Austin Christian Lika† Lucca Su Mo† Geronimo Marin Hurtado‡	Pencil Balancing Robot Utilizing Event Cameras
Blendell, John E	7030	Rachel Christine Quisil Ordiales† Carl Alexander Bravata†	Reliability of High-Temperature Pb-free Solders
Boerman, Jacquelyn P	1653	Elyse Priscilla Kim†	The effect of mastitis on milk production across lactation phases in dairy cattle
Boltasseva, Alexandra	1618	Geetika Chitturi†	Characterization of Gallium-Doped Zinc Oxide Thin Films for Tailoring Thickness-Dependent ENZ Wavelength and Loss
Bosman, Lisa B	1113	Angela Anqi Tan†	Project Scaffolding for Skill Development and Engagement in Engineering Education
Bosman, Lisa B	7010	Prachet P Sowale†	Implementation of Scaffolding in Undergraduate Engineering Project-Based Learning: Mixed-Method Analysis of Student Perceptions and Engagement
Bosman, Lisa B	7026	Nidhi Kirani†	Integrating Social Justice into Differential Calculus: A SoTL Study on Student Perceptions of Learning and Engagement

Name	Presentation	Students	Title
Bosman, Lisa B	7099	Ava Thant Samuel†	Immersive Virtual Reality in Undergraduate STEM Education
Bosman, Lisa B	9024	Neha Naladala†	The Impact of Project Scaffolding on Student Success in Engineering Optimization Course
Bosman, Lisa B	9040	Trisha Bimal Thakkar†	Investigating the Role of Structured Online Discussions in Fostering Learning in Engineering Students
Bowling, Laura	1019	Francis Willow Quinn Corvin†	Improved visual guides help new learners of grass morphology
Bradford, Isaac Henry	1095	Areesha Fiza Saleem†	Relationship of Phosphorus and Bloom Conditions on Lake Mississinewa during Summer 2025
Bramson, Ali	1066	Walker Andrew Millhoff† Isabella Grace Shockley*	Mapping and Classification of Boulders in the South Pole-Aitken Basin
Bramson, Ali	1102	Isabella Grace Shockley† Walker Andrew Millhoff* Kylee Rene Dodd*	Planning safer routes for a future rover on the Moon by integrating radar-based surface roughness with slope maps
Brandon, Jessi-Alex	7130	Natalie Grace Horgan† Francis Willow Quinn Corvin†	Designing Inclusive Student Organizations: A Student-Led Accessibility Initiative at Purdue
Bras, Harris J	1087	Sudarmadhi Rabindran†	he Human Cost of Optimization: Designing for Fairness and Focus in the Digital Workplace
Bras, Harris J	1116	Eleanor Elise Thumann†	Deep Partnerships, Deeper Impact: From Recreation to Restoration in Ocean Conservation
Bras, Harris J	1131	Camryn Anne Young†	Evaluating the Genomic Safety of COVID-19 mRNA Vaccines
Bras, Harris J	1286	Natcha Ngaosuphanvongs†	Indigenous Northern Thai Hill Tribe Women's Health and Access to Healthcare Services amidst Structural Barriers, Cultural Influences, and Intersecting Identities
Bras, Harris J	1475	Gabrielle Ruth LaBelle†	University Students Writing Across Genres: A Study on Genre-Writing Approach Pedagogy
Bras, Harris J	1502	Shaheer Raza†	The Role of Artificial Intelligence in Enhancing Performance, Strategy, and Fan Experience in the NBA
Bras, Harris J	1525	Jakub Szacillo†	At the Brink of Automation: How Generative AI Is Reshaping Entry-Level Job Opportunities
Bras, Harris J	1621	Thomas Zirkle Clark† Natcha Ngaosuphanvongs* Andrew James Coleman*	Nothing Fits When You Divide By Zero
Bras, Harris J	1625	Kimberly Marely Echeverria†	Beyond the Drug: Why Demographics Define Obesity Treatment Success
Bras, Harris J	1684	Nicolas Raymond Rosy†	An Overview: Sodium Acid Pyrophosphate and its uses in potato processing
Bras, Harris J	1728	Sophia Mary Zakar†	Ethical Implications of AI Chatbots in Therapeutic Settings
Bras, Harris J	7004	Andrew James Coleman†	Beyond the Equations: Philosophical Interpretations of Spacetime, Black Holes, and the Nature of Reality.
Bras, Harris J	7072	Andrew Thomas Hanlon†	Overreliance on Artificial Intelligence and Impairment of Human Creativity and Innovation
Bras, Harris J	7106	Rakshith Srinivasan†	The Risks of Concussion Underdiagnosis in Youth Sports and Preventive Interventions
Brophy, Sean	1310	Samarth Sharma† Aiden James McGuiness†	Effects of Leading-Edge Roughness Size and Pattern on Laminar-Turbulent Transition and Aerodynamic Performance on Low Reynolds Numbers
Brosseau-Lapre, Francoise	1040	Kierstyn Carolina Hubbard† Megan J Copeland†	Phonological Memory Abilities of Preschool-Aged Children With and Without Developmental Speech and Language Disorders

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Brosseau-Lapre, Francoise	1209	Jordan Ceron† Jillian Grace Robbins†	Adult Intelligibility Ratings of Child Speech
Brown, Jennifer Lynn	1488	Ramsey David Frederick Miller†	Does Sexual Orientation Moderate the Associations Between Sexual Anxiety and Sexual Esteem and Drinking Motives to Cope and Conform?
Brown, Jennifer Lynn	7070	Madelyn Elizabeth Ehrhardt†	Associations between age and education level on the acceptability of contraceptive methods among South Africa adolescents
Brown, Josephine Maria	1623	Matthew Thomas Corson† Sofia Schumann‡	Verification of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
Brown, Paul B	1413	Yoonjung Choi†	Investigating the Molecular Mechanism of PBCV-1 Virus-Induced Lipid Production Enhancement for Renewable Energy
Brutkiewicz, Randy	7088	Sujal Joshi†	Astrocytes and the MR1/MAIT Cell Axis in the PS19 Transgenic Model of Alzheimer
Buchowski, Taylor Sophia	1806	Isabella Virginia Levine†	Isolation and Characterization of Arthobacter phage LetsGoKnicks from West Lafayette, IN
Buchowski, Taylor Sophia	7127	Olivia Madison Krzyzanowski† Natalie George Khazal† Adriana K Sanchez†	Comparison of Environmentally Collected Bacteriophages
Bugel, Talia A	9025	Mackenzie L Nord†	The Self-Reported Impact of Foreign Accents on Speakers of English
Caldwell, Denise L	1640	Emma M Horn†	The Effect of Lunar Regolith Simulant on Crop Development and Response to Microbes
Campbell, Wayne W	1117	Mara Valentina Ugaz Angeles†	Effects of Adding Processed and Unprocessed Lean Red Meat to a U.S.-Style Healthy Vegetarian Dietary Pattern on Fasting Plasma Trimethylamine N-oxide (TMAO) in Young Adults
Cannon, Jason R	1623	Matthew Thomas Corson† Sofia Schumann‡	Verification of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
Cannon, Jason R	1691	Sofia Schumann† Kishan Kumar Namburi‡	Investigating the Role of Paraoxonase 1 Genotype in Modulating Chlorpyrifos-Induced Mitochondrial Dysfunction Relevant to Parkinson's Disease
Caplan, Eylon	1220	Ishana Didwania† Samuel Jordan Skulsky†	Autonoumous Data Exploration Agent
Cardarelli, Isabella Sonia	1857	Zan Wang†	Design and Construction of a 50-mph Electric Go-Kart with LiFePO? Pack, PMSM Drive, and Wireless Telemetry
Cargill, Traven Levar	1224	Matthew Ryan Dunlap†	Grappling with Graphical Abstracts: A Case Study on Student Graphical Abstract Construction in a Cancer Biology Course
Ccorahua santo, Robert Jose	1500	Kayla Renae Phillips†	Embedded Iontophoretic Biosensing Hardware Design for Metabolic Wearable Sensors
Ccorahua santo, Robert Jose	1721	Hening Xu†	Embedded hardware design for wearable ultrasound electronics
Chakraborty, Tania	1078	Theo Park† Rohan Deepak Nachnani†	SimianSight: Multi-modal Vision-Language Model Framework to Monitor and Predict Ape Behaviors
Chappell, Jacob	1429	Mary Francis† Oluwatomiwa Imosenomen Akintunde† Jai Anand Keskar† Zhenghao Xu† Akhil G Yada†	A Synthesizable AMBA AXI Bus for SoCET SoCs: Design and Verification

Name	Presentation	Students	Title
Chaterji, Somali	1806	Isabella Virginia Levine†	Isolation and Characterization of Arthobacter phage LetsGoKnicks from West Lafayette, IN
Chen, Weijing Sebastian	1284	Aditya Manoj Nair†	AFTx06: A RISC-V SoC with Integrated Peripherals on the Skywater 130 nm Node
Chen, Weijing Sebastian	1308	Priyan Kamlesh Shah† Andrew Doru Bogdan†	Design and Implementation of a Shield-Class Daughtercard Module utilizing an HSMC for FPGA-SRAM Interconnect Optimization
Chen, Weijing Sebastian	1651	Tyler Ken Kikuno† Joseph Alexander Schelb† Brandon B Velasquez Hernandez† Jihong Min† Zhuoyu Yang‡ Yu-Chen Tseng‡	2.4 GHz Radio Transmitter
Chen, Weijing Sebastian	1696	Deeya J Sharma†	System on Chip Extension Technologies: Printed Circuit Board Team LCD Interface Design for the AFTx05
Chen, Yuanrui	1479	Pei-Chi Liu† Yan-Jun Lin† Shravan Pradeep†	Metazoom
Chen, Zhihong	1000	Abdulaziz Hamad Alanazi† Sicheng He‡ Tanuj Santosh Mangalam‡ Shriya Gupta‡ Samridh Prabhakar‡ Ekagra Agarwal‡	Virtual Twin of Semiconductor Fabrication Process
Chen, Zhihong	1011	Alexandre Chan Tome† Brendan V Espinola† Henry N Kuehl† Pin-Yu Chen† Jae Hun Oh‡ Jin hyung Park‡	VIP Semiconductors@Birck SPC MIM Team 6
Chen, Zhihong	1059	Ying-Wei Lin† Kenzo Avery Evans† Eli Bradley Ade† Rex Wu‡ Sabastian Hunter Hamilton‡	Process Development and Characterization of Through-Silicon-Vias (TSVs) Using Photoresist Soft Mask Etching for Advanced Packaging
Chen, Zhihong	1077	Hao Tian Pang† Benjamin Eunsang Ryu† Huan Yi Kuo† Qiming Chai† Kevin Yu‡	Metal-Insulator-Metal Capacitor Manufacturing and Design | VIP SPC MIM Team 5
Chen, Zhihong	1276	Tanuj Santosh Mangalam† Shriya Gupta† Samridh Prabhakar† Ekagra Agarwal† Sicheng He‡ Abdulaziz Hamad Alanazi‡	Virtual Twin of Semiconductor Fabrication Process
Chen, Zhihong	1466	Jozue Kim† Kyle Zhen-Han Wang† Robert James Gentle† Azizul Zikry Mohd Amaluddin† Haneul (Sky) Kim‡	Metal-Insulator-Metal Capacitor Fabrication Optimization with Statistical Process Control
Chen, Zhihong	1492	Laksh Nagpal† Robert Maxwell Neitzke† Venya Bhardwaj† Ahmad Hazim Akmal Bin Rosmahidi† Nolan Cai Tai‡	Statistical Process Control on Metal-Insulator-Metal Capacitors
Chen, Zhihong	1603	Ryan Prado Bailey† Athavan Arvind† Leo Jeffrey Janert† Sarah Marie Kolp† Benjamin Aaron McDowell‡	Metal-on-Metal Contact Through Reactive Ion Etching of Silicon Dioxide | VIP SPC MIM Team 1

Name	Presentation	Students	Title
Chen, Zhihong	1658	Matyas Kubon† Anas Zyad Abughali† Dipali Rebecca Abraham† Ananya Anand Nadkarni† Zixuan Fei†	Fabrication and Process Control of Metal-Insulator-Metal Capacitors Using Ion Milling | VIP SPC MIM Team 3
Cherkauer, Keith A	1095	Areesha Fiza Saleem†	Relationship of Phosphorus and Bloom Conditions on Lake Mississinewa during Summer 2025
Cherkauer, Keith A	1241	Jaimison Evelynn Henton†	Indiana Water Resource Analysis and Website
Chetput Venkataraghavan, Sooraj	1007	Adrian Daniel Buczkowski† Aryan M Kadakia† Jason Dumaual Lyst† Dhruv Roopchand Khatri* Tri Than*	Non-Blocking DDR4 DRAM Controller for SoCET AI Hardware
Chetput Venkataraghavan, Sooraj	1062	Seth Thomas McConkey† Felix Liu† Cecilie Zhang† Aditya S Hebbani‡ Andrew James Larkins‡	Custom GPU Implementation for Graphics Workload Acceleration
Chetput Venkataraghavan, Sooraj	1079	Sahil Dhruvan Patel† Heng-I Chu† Vihaan Reddy Chinthakindi† Mikhail Golovenchits†	AI Hardware Compiler
Chetput Venkataraghavan, Sooraj	1242	Julio Hernandez† Rafael Monteiro Martins Pinheiro† Haejune Kwon† Nicha Muninnimit* Duc Pham Minh*	AI Hardware Scratchpad
Chetput Venkataraghavan, Sooraj	1254	Dhruv Roopchand Khatri† Tri Than† Adrian Daniel Buczkowski* Aryan M Kadakia* Jason Dumaual Lyst*	Blocking DDR4 DRAM Controller
Chetput Venkataraghavan, Sooraj	1279	Shresth Mathur† Akshath Raghav Ravikiran† Muhammad Zohaib Ali†	Integrating SIMT and Scalar Cores to Manage Control Flow Divergence
Chetput Venkataraghavan, Sooraj	1468	Joshua David Klug† Michael Lee† Navya Harini Datla†	Optimizing Instruction Scheduling with a VLIW Processor Design
Chetput Venkataraghavan, Sooraj	1472	Saandiya KPS Mohan† Nikhil Kishore Vaidyanath† Myles Joshua Pristin Querimit† Mixuan Pan†	Atalla - Convolution & Systolic Array
Chetput Venkataraghavan, Sooraj	1626	Kai Ze Ee† Zach Anthony Barna† Daniel EnYi Yang† Yash Singh†	“Cardinal CX00: A Compiler-Guided, Area Efficient GPU Frontend Architecture”
Chetput Venkataraghavan, Sooraj	1632	Joseph Alan Ghanem† Chase Yungmin Johnson† Jacob Thomas Walter† Vedant Sharma‡	Atalla AI Accelerator - Vector Core
Chetput Venkataraghavan, Sooraj	1642	Zay Linn Htet† Pranav Bantval† Jia-He Zhou† Justin Yasuumi†	Compiler from Graphical Workloads to Custom Instruction Set Architecture with Resource Maximizing Optimizations
Chetput Venkataraghavan, Sooraj	1701	Tushar Singh† Aiden Hughes Sexton† Erhao Chen† Aidan Michael McDonough†	Nest: A custom GPU software library and benchmark for the in-development Cardinal gpGPU
Chi, Mohan	1855	Maurice J Reimer†	Investigating Large Language Model-Based Decision Making for Deep Space Habitat Systems

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Chittal, Saurav	9022	Henry John McGee† Anya Panday† Cyrus Kasten Gonzalez† Marteza Hossein Rajabi† Justin Denson Duke‡ Shashaank Sajeethraja‡ Andrew Brandon Underwood‡ William Joseph Buchmeier‡	Farm robotic challenge – S.A.F.E.-Bot
Choi, Jae Ik	1618	Geetika Chitturi†	Characterization of Gallium-Doped Zinc Oxide Thin Films for Tailoring Thickness-Dependent ENZ Wavelength and Loss
Choi, Kyu Ri	1618	Geetika Chitturi†	Characterization of Gallium-Doped Zinc Oxide Thin Films for Tailoring Thickness-Dependent ENZ Wavelength and Loss
Choi, Youn jeong	1023	Alina Marie Dziembowski†	Measuring Levels of Ultrashort-chain Per- and Polyfluoroalkylated Substances in Blood Collection Tubes
Choung, Hyesun	7024	saumya verma†	Designing AI Interactions That Foster Human Creativity Transferrable Beyond AI Use
Choung, Hyesun	7095	Yubo Sun†	Exploring Human-AI Communication through Uses and Gratifications Theory
Chu, Zhiwei	1855	Maurice J Reimer†	Investigating Large Language Model-Based Decision Making for Deep Space Habitat Systems
Chynoweth, Brandon C	1104	Aditya Singh†	Feasibility of Low-Cost Hypersonic Vehicles for Second-Mode Instability Data Collection
Chynoweth, Brandon C	7066	Aarav Zutshi†	A Novel Fluid Metering Technology for Aerospace & Defense Applications
Ciampitti, Ignacio Antonio	1222	Juan Camilo Douglas Bolano†	Automated maize kernel counting using computer vision: A benchmarking study
Ciampitti, Ignacio Antonio	1647	Jorge Andres Jola Hernandez†	Workflow for the Agricultural Production Systems Simulator (APSIM) Model for Assessing Corn Yield Response to Different Fertilizer Nitrogen Rates
Clase, Kari L	1806	Isabella Virginia Levine†	Isolation and Characterization of Arthobacter phage LetsGoKnicks from West Lafayette, IN
Clase, Kari L	7127	Olivia Madison Krzyzanowski† Natalie George Khazal† Adriana K Sanchez†	Comparison of Environmentally Collected Bacteriophages
Cole, John H	1458	Tanya Jain† Jia Varshney† Chengxuan Li† Grace Katherine O'Hara‡ Julia Madison Dolpies‡ Drew Raymond Hawley‡	VIP EdTechDev: Developing an Accessible Physical Computing Course
Coon, MacKenzie Rachelle	1046	Pia Kapur†	Evidence of Possible Bystander Effects after Grid Radiation Therapy in Vitro
Cooper, Austin Rory	1086	Abigail Elizabeth Preston†	Balancing Science and Society Finland's Solution to Nuclear Waste Management Using Onkalo, the World's First Deep Geological Repository
Cooper, Harold Kory	7003	Adrian Reid Walker†	The Costs of Closure: Precarity and Structural Violence of Humanitarian Aid in Jordan
Corado Mendoza, Celia Gisselle	9044	Dylan James Whitlow†	Effect of Silage Tarps on Early-Season Weed Control in Potato
Cordeiro Moreira, Davi	1108	Cooper William Springs† Ethan Mathew Lebon† Matthew Wyatt Baratian†	Data Analytics for Transparent Health Insurance Pricing
Cordeiro Moreira, Davi	1110	Zachary David Sullivan† Bernardo Bradley Chalaca Moreira† Thomas Guy Engle† Lucas Erwin Gerbsch†	Forecasting Short-Term EV Charging Demand Spikes for Smarter Grid Management in the U.S.

Name	Presentation	Students	Title
Cordeiro Moreira, Davi	1133	Megan Zhu† Alexandra Li Alderink† Rachel Kalyn Spear† Angela Peng Gao† Tiffany Sui‡	What Makes a Song a Hit? Predicting Spotify Popularity through Music Analytics
Cordeiro Moreira, Davi	1225	Sara Claire D'Urso† Ashley Mei Hung† Anishka Pateriya† Akhand Bindra†	Creating a Box-Office Hit: Determining Key Financial Indicators for Films Through Predictive Modeling
Cordeiro Moreira, Davi	1244	Nathaniel John Hiatt† Ethan Dewen Louie†	The Price is Right (Skewed): Using Features to Predict Wine Prices
Cordeiro Moreira, Davi	1246	Adam Benjamin Houser† Sasank Nunna† Kumar Shreyansh† Shreyaa Karan†	Fraud Prediction on Synthetic Pop-up Retail Data: a Transaction-Level Risk Assessment
Cordeiro Moreira, Davi	1258	Gavin Craig Kulak† Sulav Shrestha† Viswanath Jay Nair† Henry Patrick Merchant†	Predicting Term Deposit Subscription: Insights from Bank Marketing Campaign Data
Cordeiro Moreira, Davi	1271	Eliza Jane Lutgen† Gonzalo Antonio Silva† Uddipta Sarkar† Kyle Anthony Fernandez† Angel Wang†	What Predicts College GPA? A Data-Driven Look at Study Habits and Test Scores
Cordeiro Moreira, Davi	1282	Grant A Moreland† Kiefer Alexander Bell† Colin Patrick Budreau† Justin Thomas Brady†	Forecasting Credit Card Losses for Capital One Using Multi-Bank Data
Cordeiro Moreira, Davi	1294	Brendan William Polese† Rachel Elizabeth Carlson† Abigail Claire Smith† Mert Ryan Kiroglu†	From Sound to Streams: Predicting Music Success Through Analytics
Cordeiro Moreira, Davi	1300	Neha Mary Regi† Zijing Zhang† Shih-En Wang† Christopher Cruz†	Predicting Retail Sales Trends Using a Synthetic Dataset
Cordeiro Moreira, Davi	1317	Tyson Mark Tucci† Syuan-Rang Sean Wu† Po-Wei Lee† Francesco Joseph Facente†	Signals of Stardom: Explainable Prediction of NBA All-Star Selections
Cordeiro Moreira, Davi	1324	Bocheng Wang† Eli Nash Chandler† Ru Yi Cai† Yihao Zhou†	Workforce Retention: Leveraging Synthetic Data to Predict Employee Attrition
Cordeiro Moreira, Davi	1327	Paul Ryan Warfel† Theodore Walter Moritz† Maxwell Christopher Klug† Reece Robb†	Forecasting U.S. Flight Delays with Pre-Flight Predictors
Cordeiro Moreira, Davi	1333	Eric Yixiang Zhang† Paola Godina Salas† Harshini Madhusudhanan† Jadon Conor Salazar†	Benchwarmer to Breakout: Predicting the Next NBA Breakout Star Player
Cordeiro Moreira, Davi	1406	Caleb Zachariah Brunton† Jose Jorge Bueso† Jose Manuel Estrada Garcia† Alfonsina Michelle Rodriguez†	U.S. Stock Market Movements through News Headlines: A Natural Language Processing Approach
Cordeiro Moreira, Davi	1410	Susan Chen† Allison Margaret Neff† Brayden Ryan Zink† Srikar Kolla†	Early Detection of Diabetes Risk Among Indian Women

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Cordeiro Moreira, Davi	1412	Leonard Shien Chiu† Michael Ryan Gjorseski† Joshua Ginste† Artemii Chirkov†	Predicting Undergraduate Dropout Risk for Early, Actionable Intervention
Cordeiro Moreira, Davi	1437	Sebastian Felipe Gil Eskildsen† James William Pope† Roberto Andres Chinchilla Varela† Juan Antonio Sevilla†	What Makes a House Valuable? Predicting Home Prices to Improve Transparency in the U.S. Market
Cordeiro Moreira, Davi	1449	Aidan Joshua Hershberger† Yutian Ye† Jizheng Li† Cole R Bailey†	Predicting Consumer Credit Default Risk
Cordeiro Moreira, Davi	1451	Kinaya Arielle Hines† Robert Pedro Chambers† Somin Yang† Emi Victoria Robinson†	Predicting Best Actors and Directors for Up-and-Coming Netflix Movies
Cordeiro Moreira, Davi	1464	Dexter McCann Kelleher† Jaime Hyun-Kiu Lee† Benjamin Evan Keim† Anish Reddy Kuthuru†	Predicting Post-Injury Performance in the NFL
Cordeiro Moreira, Davi	1485	Max Elliott Matteucci† Andrew Logan Oberholzer† Andrew Lawrence House† Ella Sage Dawes†	How The City Decides When You Can Breathe
Cordeiro Moreira, Davi	1489	Newla Moo† Alacya Madison Lynch† Kristen Taylor O'Leary† Cydney Allyn Culver†	U.S. Hub Airports: Predicting Airline Arrival Delays
Cordeiro Moreira, Davi	1494	Kundana Nittala† Esther L Larson† Emilio Andres Pino† Shree Krishna Tulasi Bavana†	How Many Hours Will You Sleep? Utilizing Synthetic Data to Predict Quantity of Sleep
Cordeiro Moreira, Davi	1512	Ace Setiawan† Gavin Patrick Connolly† Gabriel John Carlson† Sean Patrick Patterson†	Predicting Country GDP Growth: A data driven approach to economic modelling and decision making
Cordeiro Moreira, Davi	1518	Yusuf Anis Sherali† Shashank Venkata Seerum† Sanjay Anthony Jaikaran† Jeenay Vipul Dedhia†	Predicting Sports Injury Risk: A Data-Driven Approach to Athlete Health Management
Cordeiro Moreira, Davi	1532	Cole Anthony Werner† William Gray Gattoni† Owen Alexander Hershberger† Grant Thomas Romero†	Predicting 30-day Readmission Risk in Diabetic Patients
Cordeiro Moreira, Davi	1536	Michael Downing Yancy† Diego Alberto Cavero† Nicholas Richard Boyd† Elliott Jameson Soderberg†	Beyond the Box Score – Predicting Playoff Success in the NBA
Cordeiro Moreira, Davi	1650	Kabeer Singh Khubbar† Samuel Anthony Fiore† Bruno Andres Knize Simon† Aditya Venugopal Nair†	Predicting Fourth Down Risk
Cordeiro Moreira, Davi	1656	Rishita Korapati† Mia Bell Foulk† Chih-Yu Lee† Varsha Devisetty†	Formula 1 Race Performance: An Analytical Dive into Pit Stop Strategy
Cordeiro Moreira, Davi	1661	Vitoria Machado Machado Didone† Jack Dorsey Feehan† Ashton Anthony Price† Owen Thomas Edwards†	Understanding Product Returns in E-Commerce: A Predictive Analysis Using Synthetic Data

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Cordeiro Moreira, Davi	1663	Ashish Krishna Mallur† Annika Anders Nelson† Brandon J Moss†	Predicting Long-Term Brand Loyalty from Influencer Exposure: A Multi-Model Segment-Aware Approach
Cordeiro Moreira, Davi	1718	Jari L Warner† Arush Sowreddy Medam† Ansh Pahwa† Destinee Walker†	Predicting Student Academic Stress for Early Intervention
Costa Alves Souza, Olga	7040	Danny Andre Thornewell†	Advances in Monte Carlo Tree Search for Multi-Step Enzymatic Synthesis Planning
Couetil, Laurent L	1717	Emory Lane Ciula Walker† Tara Kathleen Kester*	Fish Oil Increases Plasma Eicosapentaenoic, Docosapentaenoic, and Docosahexaenoic Fatty Acid Concentration in Thoroughbreds
Coy Rodriguez, Laura Gabriela	1204	Manuela Maria Buitrago Cardenas†	Optimization of Peptides Active Against Balamuthia mandrillaris
Crimmins, Shawn	1003	Rebeca Joyce Appelmann† Kylee Ann Thorson* George D Emerson*	Assessing gray fox occupancy along forest edges in Indiana using camera traps
Cunningham, William Rowan	1701	Tushar Singh† Aiden Hughes Sexton† Erhao Chen† Aidan Michael McDonough†	Nest: A custom GPU software library and benchmark for the in-development Cardinal gpGPU
Cunningham, William Rowan	9010	Matthew Du† Daniel Paul Wunderlich‡	Design and Implementation of Hardware Performance Monitors for RISC-V Processors with Selective Counter Management
Cunningham, William Rowan	9030	Alexander Popescu† Abhinav Palivela†	Accelerating Hardware Verification through Continuous Integration and Docker Optimization
Cunningham, William Rowan	9033	Sandeep Saravanakumar† Matthew Yao† Michael Brayden Hudson† Brian Zhuang† Nicholas Zhang‡	USB Host Controller for AFT-series SoCs
Curless, Christopher	1497	Kiley Ann Osswald† Kyndall Lauren Osborne†	Mako-Assisted vs. Conventional Hip and Knee Arthroplasty: A Patient Outcome Comparison
Currim, Fatema Mustafa	1623	Matthew Thomas Corson† Sofia Schumann‡	Verification of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
Currim, Fatema Mustafa	1691	Sofia Schumann† Kishan Kumar Namburi‡	Investigating the Role of Paraoxonase 1 Genotype in Modulating Chlorpyrifos-Induced Mitochondrial Dysfunction Relevant to Parkinson's Disease
Das, Sourav	1296	Shreya Shrikrushna Pulujkar† Sounish Ghosh† Andrew Jonathan Savysky† Ying-jen Chen†	Mechanical Behavior Of Subcutaneous Injections and Implications on Injection Site Reactions
Das, Sourav	1439	Clara Marie Anne Goffioul†	Optimizing Deep Learning Models for Enhanced Detection of Subvisible Particles in Pharmaceutical Development
Das, Sourav	1680	Disha Ransingh† Sai Aiswarya Sadagopan† Rishika Ramakrishnan† Jonas Villabroza† Jane Zhao‡	Deep Learning for Enhanced Analysis of Depot Formation and Diffusion in Auto-Injector Devices
Das, Sourav	1690	Bella Irma Schaetzle† George Panagos† Myra Rawar Khare† Anas Eyad Rafei†	Optimizing Deep Learning Models for Enhanced Detection of Subvisible Particles in Pharmaceutical Development
Das, Subham	7129	Ella Grace Olson†	Investigating Liposomal Drug Carrier Interaction Forces with Membranes

Name	Presentation	Students	Title
Davis, James C	1463	Gunvanth Reddy Kandula† Hyeonwoo Heo† Milo Li Reed† Adrian Pathupally Mathew† Soham Rattan‡ Charles Chen‡	Hardware-Aware PTMPicker: A Pragmatic Approach to Pre-trained Model Selection
Davis, James C	1682	Soham Rattan† Charles Chen†	Hardware-Aware PTMPicker: A Pragmatic Approach to Pre-trained Model Selection
Davis, James C	7031	Arjun Sandeep Gupte† Stefan Teodor Maxim† Christopher Timothy Chan† Ananya Jajoo†	Large Language Models are Software System Optimizers
Davis, James C	7064	Parv Kumar† Lavangi X Yadava† Rohan S Potta‡ Zackary Pieter Homrich‡ Omar Ahmed Elsayed Attia‡	Discoverability for LLM Agents
de Paula Macedo, Bianca	1516	Ethan Zachary Shatz†	Expression and Purification of Polyketide Synthases
de Souza Barbosa, Pedro Henrique	1098	Adam Jair Selby†	Real-Time Health Monitoring: A Wireless System for Triboelectric Sensor Data Acquisition and Analysis
de Souza Barbosa, Pedro Henrique	7093	Dhruva Vedula† Mrigas Ajay Iyer† Aryan Jignesh Patel†	AWARE: Affordable wearable self-powered smart pressure platform for workplace injury prevention
DeFrench, Melissa Kay	9038	Sai Harshith Suram†	Adaptive Long Memory
Delaware, Benjamin J	7124	Francille Zhuang†	Ariadne: Discovering PBT Generator Weights with Dynamic Sampling
Delp, Edward J	1047	Simarleen Kaur† Arnav Chandra Singh‡ Kriti Kishan Nandakumar‡ Sannidhi Agarwal‡ Aahana Dahiya‡	Boiler Dining Image and Evaluation Tracker (DIET)
Delp, Edward J	1105	Arnav Chandra Singh† Kriti Kishan Nandakumar† Aahana Dahiya† Sannidhi Agarwal† Simarleen Kaur‡	Boiler Dining Image and Evaluation Tracker (DIET)
Delp, Edward J	1481	Katherine Ma† Raymond Chi† Aram Kalous† Alexandre Wade Rosental†	Context-Driven Semantic Modeling for Object and Activity Prediction
Delp, Edward J	1854	Zian Pan† Ethan J Chan† Edward Ayomide Ojuolape†	Assessing Political Body Language
Delp, Edward J	7013	Donald Alexander Weintz† William Benjamin Tao† Piotr Stanislaw Nabrzyski† Benjamin Tyler Nguyen†	Nutrition Change Estimation Through Video
Deng, Qing	7111	Morgan Stephens†	Examining Myh9a Function and Localization in Zebrafish Wound Closure Utilizing PhiC31-CRISPR-Cas9 Knock-In Line Methods
Desai, Aparna	1201	Haven Marie Bader† Abigail Catherine Burris‡	Promoter Replacement of Mismatch Repair Genes Improves Meiotic Recombination and Hybrid Viability in Diverged Saccharomyces Species
Desai, Aparna	1205	Abigail Catherine Burris† Haven Marie Bader‡	Gene Regulatory Modifications in the Mismatch Repair Pathway Promote Hybrid Viability in Diverse Saccharomyces Species

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Dewar, Darien Anders	1044	Emily R Jones†	Engineering the Next-Generation Cereal Bag: Enhancing Cellulose Nanofiber Films with Protein Additives for Fully Biodegradable Packaging
Dick, Jeffrey Edward	1409	Daniel Michael Carrel†	10e7 Increase in Electrochemiluminescence Lifetime in the Tris(2,2'-bipyridyl)ruthenium(II)/Benzoyl Peroxide System Through Parasitic Pathway Suppression
Dick, Jeffrey Edward	1530	Amber K Wang†	No Glovebox? No Problem. Accessing Hypoxic Electroanalysis Using Dense Gases in a Fishbowl
Dickinson, Danielle	7123	Madeline G Taylor†	Variable Emission in JWST Observations of the Supernova Remnant Cassiopeia A Reveal Light Echoes and Ejecta Flickering
Dietrich, Bryce Jensen	7084	Dave Vishalkumar Patel† Divyansh Pramanick† Nived Ambadipudi† Anish R Devulapalli†	Online Pedestrian Annotation Tool
Dikshit, Abhijnan	1438	Bogomir Vincent Glavan†	A Multifidelity Point Cloud Autoencoder for Aerodynamic Uncertainty Analysis
Dikshit, Abhijnan	7097	Mason J Kramer†	A Multifidelity Machine Learning Approach for Airfoil Design with Transonic Buffet Constraints
Ding, Chang	7111	Morgan Stephens†	Examining Myh9a Function and Localization in Zebrafish Wound Closure Utilizing PhiC31-CRISPR-Cas9 Knock-In Line Methods
Dong, Bin	7073	Ishaan Kartik Singh†	Fluorescent Lifetime Readout of Cellular Opto-Control
Dong, Qiwei	7015	Aidan Hirsch†	Unsupervised Clustering of Electrochemical Impedance Model Parameters in Ultramicroelectrode Arrays
Dongare, Lalit	1855	Maurice J Reimer†	Investigating Large Language Model-Based Decision Making for Deep Space Habitat Systems
Dooley, Jimmy	1610	Megan Nicole Broecker†	Effects of Age on Rat Reproduction
Doucette, Suzanne C	7008	Landon Oliver King†	Synthesis and Reactivity of Lanthanides with Redox-Active Frameworks Towards Early Chalcogens?
Drineas, Petros S	9015	Shun Ide†	Why Banner Ads Annoy Users: Testing AI Misalignment in Recommender Systems
Du, Shengwang	1041	Ian William Jack† Stephen Feiyang Wang‡	High-Optical-Depth Cold Atom Ensemble for Narrowband Entangled Photon Generation
Du, Yuchen	1424	Brandon Anthony Farber†	Harnessing Kinetic Energy from Vehicles for Sustainable Power: Potential and Implementation Challenges
Duan, Boyu	1094	Jonathan Samuel Ryan†	Topology optimization of flow structures for cooling multi-chip modules
Duarte, Bryan J.	1235	Anjali Devi Gupta† Luke Anthony Braun*	Investigating Indianapolis
Ducleroir, Sidney	1096	Kailla Marie Sanchez†	How do Early Interventions Reduce the Effects of Adolescent Mental Health
Ducleroir, Sidney	1460	Abigail Jimenez†	AI-Enhanced Nanodrug Delivery: Revolutionizing the Future of Cancer Treatment
Duerstock, Bradley S	1026	Reed Stevens Elphingstone†	Noise-Reduction in SKNA Signal for Autonomic Dysreflexia Detection
Duncan, Natasha	1801	Kellyn Susan Bucceri† Hannah Grace Schroeder†	The Infrastructure of Healthcare in Rural Kenya and the Effects on HIV/AIDS Control, Prevention, and Treatment
Dunlop, Steven R	1018	Tate James Compton† Lauren Jean Dumaresq† Swetha Hariram Maneri†	The Hidden Cost of The Olympics

Name	Presentation	Students	Title
Dunlop, Steven R	1212	Ethan Keid Chen† Micah A Macias†	Smart Sensor Applications in Material and Equipment Maintenance
Dunlop, Steven R	1221	Marcus Macapodi Douge†	VR Machine Shop Training Simulator: Improving Safety and Learning Outcomes
Dunlop, Steven R	1265	Brayden S Lee† Mahit Mehta†	Effective Collaboration in Virtual Reality
Dunlop, Steven R	1477	Aelish Marie Ligon† Zoey Zhu Bussick† Eann M Gatuna†	Employee Retention Methods Using IoT and AI integration
Dunlop, Steven R	1646	Hiya Jha† Kian Shiju Kallarakkal†	3D Design Comprehension Enhancement using AR/VR for Engineering Education
Dunlop, Steven R	1715	Shreya Veeredhi† Caleb Michael Diekmann†	Augmented Reality Display System for Go-Karts
Dunlop, Steven R	7025	Karla Quintero Osorio†	Employee Turnover in the Automotive Industry: Causes, Consequences, and Implications.
Dunlop, Steven R	7094	Lilian Patricia Holguin Mejia†	Forecasting Pharmaceutical Demand with Machine Learning: A U.S. Analysis with an Indiana Application
Dunlop, Steven R	9029	Tyler Clay Pieszchala†	Drones in Commercial Use
Dunlop, Steven R	9036	Conrad Clifford Soares† Timothy Chandrathil Manogura† Adam Charles Lundquist† Maxwell Sean Tran†	VIP Meta AR/VR
Dunlop, Steven R	9037	Chloe Elizabeth Staron†	eV Karts
Dunlop, Steven R	9041	Maxwell Sean Tran† Adam Charles Lundquist† Timothy Chandrathil Manogura† Conrad Clifford Soares†	Enhancing Collaborative Learning through Immersive AR/VR Environments
Dydak, Ulrike	1453	Michael Charles Howes†	Assessing the Effects of Welding Fumes on Cognitive, Motor, and Mood Function in Welders Using Bootstrapped Bayesian Networks.
Dydak, Ulrike	1509	Grace Lauren Scott† Seung-Yeol Yoon‡	Evidence of increased cerebral lactate levels in autism: The role of the locus coeruleus - norepinephrine system
Dydak, Ulrike	1644	Breanna Lee Hutter†	Using Statistical Analysis to Measure the Effects of Metal Exposure and Metal Mixtures on Welders
Dye, Molly Noelle	1026	Reed Stevens Elphingstone†	Noise-Reduction in SKNA Signal for Autonomic Dysreflexia Detection
Dyke, Shirley J	1855	Maurice J Reimer†	Investigating Large Language Model-Based Decision Making for Deep Space Habitat Systems
Eaton, Kristy	9012	Kendall Greer Gibson†	Building the Well-Engineered Scholarship - Mental health prioritization among Purdue Engineering Students
Ebbini, Genell Wells	1021	Emma Marie Decker† Emily Katherine Jackson† Emma Cate Bailey†	The Canopy at Purdue: A Sensory Green Roof for Well-Being and Sustainability
Ebbini, Genell Wells	1281	Brookly Elizabeth Miner† Jennifer Adriana Velazquez Cortez† Lauren Elizabeth Chopp†	Improving Campus Recycling Systems at Purdue University: Education, Design, and Collaboration
Ebbini, Genell Wells	1408	Odalis Joana Campos Vasquez† Elizabeth Louise Kushner† Julia Elizabeth Kassis†	Closing the Loop: Material Reuse and Deconstruction at Heavilon Hall
Ebbini, Genell Wells	1607	Hailey L Benfield† Lawrence Lichtig† Haotian Tang†	Restoring Tapawingo Park: Linking Water Filtration, Pollinator Habitat, and Public Space

Name	Presentation	Students	Title
Ebbini, Genell Wells	1662	Alyssa Marie Viray Magsino† Meg Catherine Schemanske† Avni Jade Dutta†	Sustainable Thermal Solutions for Historic Campus Buildings: An Analysis of Smith Hall
Ebbini, Genell Wells	9001	Isabella Rose Beagles† Ryan Lanark Antemann† Mariela Dawn Rampersad†	The Regenerative Cycle of Flooring Materials: Mycelium and Piezoelectric Applications
Ebbini, Genell Wells	9005	Olivia Jo Clemons† Kailee Anne Derrick‡ Ava Claudia Jacobsen‡	The Space Between
Ebbini, Genell Wells	9006	Jada Celeste Culver† Elena Christine Rodriguez† Jackson Howard Warren†	Think Globally, Act Locally: The 17 UN Goals at Purdue
Ebbini, Genell Wells	9011	Kaylee Grace Gesick† Natalie Elizabeth Baker‡ Katherine Diane Rudini‡	Smart Lighting Retrofit for Energy Efficiency and Circadian Health in PAO Hall
Ebbini, Genell Wells	9031	Grace Marie Ryal† Allison Renee Garber† Hailey Elizabeth Parkinson†	Reimagining the Stewart Center: A Green Roof Strategy for Stormwater Reduction and Habitat Restoration
Ebbini, Genell Wells	9039	Wynne Catherine Swick† Lauren Taylor Bean† Jade Angelina Hill†	Reimagining the Abandoned Mall for Community Sustainability
Edwards, Myles Quinn	1442	Virginia Alessia Graziosi†	Life's Sweet Origins: Prebiotic Synthesis of Polysaccharides in Sea Spray Microdroplets and Hydrothermal Wet-Dry Cycles
Egan, Marisa Ann	1132	Yuan Heidi Yue†	Developing Collagen and Hyaluronic Acid Matrices to Model Nanoparticle Transport in Brain Extracellular Environments
Egan, Marisa Ann	1685	Eliana Saavedra†	Design of Hyaluronic Acid-Based Hydrogels for Brain Tissue Mimicry and Nanoparticle Transport Studies
El Mounayri, Hazim Atef	1273	Harshini Madhusudhanan† Clara Cecilia de Groot† Fanyang Meng† Connor David Watson†	Data-Driven Prediction of Residual Stress in Laser-Based Additive Manufacturing Using XGBoost
El Mounayri, Hazim Atef	1697	Shlok Ashish Sheth† Anisha Bhargava† Ishan D Junnarkar† Youngeun Kwon†	Data-Driven Prediction of Residual Stress in Laser-Based Additive Manufacturing Using XGBoost
Elenbaas, Laura	7019	Vaishnavi Bansal†	Children's Perceived Socioeconomic Status and Inclusion of Peers from Different Countries
Elkin, Samuel Theodore	1694	Franklin Shang† Jack Thomas Willard† Ekam Bhullar† Tanvi Chukka† Xinyu Liu‡ Eric H Chang‡ Nurdaulet Aba‡	Towards a 3D Finite Element Method Harmonic Balance Simulator for Superconducting Traveling-Wave Parametric Amplifiers
Escalante, Patricio	7039	Aadya Pandey†	Predictors of Disease Features and Severity in Mycobacterium Avium Complex Lung Disease
Falk, Courtney Allen	1111	Kira Qing Sun† Max Yu Zhen Chen‡ Nathan Yao‡	Cybersecurity Risks of Freight Rail as Critical Infrastructure
Ferdausi, Nourin	7007	Karthik Varigonda†	Structural Analysis and Targeting of BamA in A. baumanii with a Stapled Peptide for Novel Therapeutic Development
Fernander, David Scott	1100	Mirza Orunav Shahper†	Light and Layers: art in additive manufacturing
Ferrel, Jon E	1610	Megan Nicole Broecker†	Effects of Age on Rat Reproduction
Fortin, Jessica Sonia	1705	Lydia Jane Stone† Natalie Grace Horgan*	Dual-Acting Small Molecules Targeting Alpha-Synuclein Aggregation and Soluble Epoxide Hydrolase for Parkinson's Disease

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Foti, Daniel J	1023	Alina Marie Dziembowski†	Measuring Levels of Ultrashort-chain Per- and Polyfluoroalkylated Substances in Blood Collection Tubes
Fraley, Greg	1255	Alice Soyeon Kim†	Quacky vision: Pekin ducks display preference for red LED compared to blue LED lighting systems
Fraley, Greg	7114	Nina Kay Wilson†	In Ovo their heads: Can behavioral and physiological stress responses from heat stress be replicated without a parental component in Pekin ducks?
Freer, Reed Joseph	1122	Zhishan Wang† Kaijie Zhu† Jacob Forrest† Kieran Venkat Desireddi† Brian Sam Lee† Chi-Che Chen‡	Controller Design For Autonomous Racing Vehicle
Freer, Reed Joseph	1208	Siddarth Balaji Calidas† Aadya Rangole† Aya Wael Mohammed Tawfik Elghayaty† Andrew Dominick Angel† Pin-Hsuan Tu‡ Marko Daniel Peric‡	Autonomous Car Racing: A Weather Resistant Simultaneous Localization and Mapping Implementation
Freer, Reed Joseph	1236	Paul Michael Hamas† Akram Reda Mahmoud† Owen Chen†	VIP Digital Twin
Freer, Reed Joseph	1269	Jacob Charles Long† Chengming Wu† William David Bridgnell† Andrew Joseph Shelley‡ Alexander T Valdes‡ Margulan Mukhametkarim‡ Steven James Van Hulle‡	NSWC Autonomous Boating Challenge
Freer, Reed Joseph	1278	Suhani Mathur† Kareem AbdelHameed Hassan† Farah Moussa† Shaunabh Bose† Srihith Gangireddygari†	Simulating Adverse Weather Effects on Perception and Localization in Autonomous Racing
Freer, Reed Joseph	1298	Akul Ramasubban† Andrew Clark Cowen Cerrato† Alexander Haitian Zhang† Andrew Ryan Davidson† Avantika Shah* John Michael Wyman* Mohamed Mahmoud Zaitoun* Anubhuti Mittal*	Multi-Agent Simulation of Autonomous Drone Behavior in MATLAB Simulink
Freer, Reed Joseph	1309	Avantika Shah† Anubhuti Mittal† Mohamed Mahmoud Zaitoun† John Michael Wyman† Andrew Ryan Davidson‡ Andrew Clark Cowen Cerrato* Alexander Haitian Zhang* Akul Ramasubban*	A Game-Theoretic Control Framework for Competitive Drone Racing
Freer, Reed Joseph	1491	Sameer Ravi Murthy† Bea Alyannah Magsayo Cortes† Yash Rajendra Ashtekar† Tanay Jain†	Segmentation model and path planning
Freer, Reed Joseph	1629	Matthew Douglas Frago† Sumit Suditya Biswas† Suraj Ketan Patel† Benjamin Tianming Sun†	VIP Independent Motor Control- Dynamics & Controls Sub-team

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Freer, Reed Joseph	7055	Sofi Zhang Schmitt† Siddhant Monish Tandale† Milica Slavkovic† Akul Goyal†	Unprotected Lefts and Merges: Evaluating Classical vs. Learned Planners in Rare Traffic Interactions
Freer, Reed Joseph	7056	Milica Slavkovic† Jacob Junjie Zhang† Diya Meeniga†	Unprotected Lefts and Merges: Evaluating Classical vs. Learned Planners in Rare Traffic Interactions
Freer, Reed Joseph	7086	Alexander T Valdes† Andrew Joseph Shelley† Steven James Van Hulle† Margulan Mukhametkarim† Chengming Wu‡ Jacob Charles Long‡ William David Bridgnell‡	NSWC AIMM ICC Autonomous Boating Challenge
Freer, Reed Joseph	9028	Aarya Patnaik† Letizia Angelica Echevarria† Aidan Kwan† Martin Ufer Aldana† Jae Hun Oh‡ Mathias Ufer Aldana‡ Yen-Ting Liu‡	Integrating Drive-by-Wire Systems for Autonomous Go-Kart Control
Frisbee, Marty D	7126	Jessica Marie Cyr†	Characterization of river discharge and interaction with shallow groundwater aquifers along the Wabash River using seismological methods
Fuentes Hernandez, Raul Hector	1714	Bruno Marcelo Uribe Velazquez†	Development and Preliminary Characterization of a Robotic WAAM Platform for Metal Additive Manufacturing
Gabor, Caitlin	1699	Jabez Soongeui Shin† Stiwar Albeiro Catano Cardeno‡	Effects of artificial light at night and traffic noise on tadpole development and physiology
Gallagher, Katelynn Rose	9042	Khai Minh Wall† Ian Michael Scroggs† Zachary Alan Rogers† Ipek Yuzcelik† Jiya Patel‡ Arturo Ivan Lemus‡ Abdul Rahman Abuhelwa‡ Liam Michael Kennedy‡ Luis David Garza Mendoza‡ James Paul Argentina‡	Optimization of Percutaneous Leadout Cable Suspension for Chronic Awake EEG Recordings in Rats
Garcia Mendes de Araujo Santos, Isabela	1653	Elyse Priscilla Kim†	The effect of mastitis on milk production across lactation phases in dairy cattle
Gardner, Adriana May	1636	Hannah Cole Hampson†	Adult Immunization Needs and Perceptions Among Patients at a Free Medical Clinic in Indianapolis
Gardner, Stephanie M	1224	Matthew Ryan Dunlap†	Grappling with Graphical Abstracts: A Case Study on Student Graphical Abstract Construction in a Cancer Biology Course
Garretson, Braden Lee	1213	Erika Chiommino† Anya Kanagala† Nicola Jirina Ferrante† Ananya Molugu† Ishaan Avinash Limaye‡	Measuring the Effectiveness of Follow-up Observations by the Las Cumbres Observatory in Constraining Explosion Physics of Transients
Gerber, Jeffrey Miles	7021	Akshith Karri†	Young or Rejuvenated? Probing the Origins of Massive Alpha-Enriched Stars
Ghodsi, Zahra	1233	Sidharth Garigipati†	Privacy-Preserving Machine Learning (Adversarial Neuron Pruning Purifies Backdoored Deep Models)
Ghodsi, Zahra	1668	Soham Mehta†	Exploring Adversarial Robustness Through Landseer and DAD Integration

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Ghodsi, Zahra	7091	Anaiysaa Deswal† Soham Mehta† Sidharth Garigipati† Nakshatra Hansika Tondepu†	Privacy-Preserving Machine Learning
Ghodsi, Zahra	9004	Henry Jones Cheung†	Privacy Preserving Machine Learning
Ghodsi, Zahra	9023	Keisuke Alexander Nakamura† Sharanya Devgon†	Cumulative Defense Strategies against Adversarial Attacks in Image Classification Machine Learning Models
Gholampoor, Sayeh	1676	Julie Thu Anh Phung†	Impact of Pre-Gestational Acute Kidney Injury on Pregnancy Outcomes and Offspring Development in Mice
Goergen, Craig	1061	Maria Luciana Mantilla Cajias† Bea Olivia Cabot‡ Wilhelm S Smith‡ Anna Julie Astrid Webb‡ Aasish Chowdary Karuturi‡	Analysis of Doxorubicin-Induced Cardiotoxicity Using Echocardiography and Dobutamine Stress Test
Goergen, Craig	1206	Bea Olivia Cabot† Anna Julie Astrid Webb‡ Aasish Chowdary Karuturi‡ Wilhelm S Smith‡	Identifying Doxorubicin-Induced Cardiotoxicity Using 4D Echocardiography
Goergen, Craig	1428	Ava Joan Roisi Flynn†	Optimization of CUBIC Tissue Clearing Protocol for 3D Visualization of Adult Zebrafish Hearts
Goergen, Craig	7085	Joshua Paik†	Automated Segmentation of Aortic Wall Boundaries in patients with Thoracic Aortic Aneurysms
Goldwasser, Dan	1078	Theo Park† Rohan Deepak Nachnani†	SimianSight: Multi-modal Vision-Language Model Framework to Monitor and Predict Ape Behaviors
Goldwasser, Dan	1121	Valmik Anand Vyas† Shruti Sharma†	Aligning Risk/Opportunity Preferences with Agent's Decision Making Behavior in the Financial Domain.
Goldwasser, Dan	1220	Ishana Didwania† Samuel Jordan Skulsky†	Autonoumous Data Exploration Agent
Gomez, Luis A	1488	Ramsey David Frederick Miller†	Does Sexual Orientation Moderate the Associations Between Sexual Anxiety and Sexual Esteem and Drinking Motives to Cope and Conform?
Gomez, Luis A	7070	Madelyn Elizabeth Ehrhardt†	Associations between age and education level on the acceptability of contraceptive methods among South Africa adolescents
Gonzalez, Gil A	1332	Ambhranee Yakkundi†	Reconfiguration of the Microtubule Network and Dynamics in Hypoxic Cancer Cells
Goppert, James Michael	1004	Nathan James Arnold† Carly Melissa Frith† Wei-Yun Liu† Prithika Rashmi Gopal† Lucas Soldano‡ Owen Jacob Lee‡ Rhys Marie Shilling‡ Sahitya Shivany Satish Kumar‡ Victor Ionut Ene* Parth Kailash Dubal*	Autonomous Emergency Response UAV for Rapid NARCAN Delivery
Goppert, James Michael	1063	Skylar Keeley McGuire† Mason A Vrshek† Karna M Gajjar† Lillian Ji† Bo Chen†	Purdue VIP Windracers: Aerodynamic Optimization for Fixed Wing UAV
Goppert, James Michael	1459	Lillian Ji† Anh Kim Ho† Joanna Yuping Wu† Jai Nanda Lakamsani†	Purdue VIP: Windracers Development and Evaluation of a Custom PCB for Enhanced Aircraft Identification in the PURT Testing Facility

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Goppert, James Michael	1667	Dominic Henry Mazurek† William Falk Wahlberg† Braden Thomas Callaway†	Autopilot Integration and High-Fidelity Simulation for Lightweight Unmanned Fixed-Wing Aircraft
Goppert, James Michael	1716	William Falk Wahlberg† Dominic Henry Mazurek† Lillian Ji† Braden Thomas Callaway†	Purdue VIP: Windracers Autopilot Integration and High-Fidelity Simulation for Lightweight Unmanned Fixed-Wing Aircraft
Goppert, James Michael	1805	Arthur Wesley Kron† yahor lechanka† Alexander Kmetko‡	CogniPilot Autopilot Development
Gouri Prabhakar, Gouri	1043	Frances Geraldine Johnson†	Investigation of the Cloud-Nucleating Properties of Atmospheric Microplastics (AMPs)
Green, Conor James	1308	Priyan Kamlesh Shah† Andrew Doru Bogdan†	Design and Implementation of a Shield-Class Daughtercard Module utilizing an HSMC for FPGA-SRAM Interconnect Optimization
Green, Conor James	1651	Tyler Ken Kikuno† Joseph Alexander Schelb† Brandon B Velasquez Hernandez† Jihong Min† Zhuoyu Yang‡ Yu-Chen Tseng‡	2.4 GHz Radio Transmitter
Green, Conor James	1696	Deeya J Sharma†	System on Chip Extension Technologies: Printed Circuit Board Team LCD Interface Design for the AFTx05
Griffiths, Ryan David	7001	Molly Ann Shean†	Polyketide Specific Computationally Assisted Synthesis Planning
Groll, Eckhard A	1299	Aveena Kuntal Rawal†	Simulation-Based Rotor Profile Design Process for Twin-Screw Compressors in High-Temperature Heat Pump Systems
Gu, Xingjian	1251	Oliver Thomas Johnson†	Creating a Xenografted Human Vascularized Chimeric Brain Model
Gu, Yan	1514	Milan N Shah† Chee Ying Tay*	Achieving Dynamic Stability in a Full-Body Humanoid Robot Simulation using ROS2 for VIP Humanoid Robot Club
Guberman, Daniel A	7009	Ava Katherine Lyall†	An Examination of Ways Normative Grading Structures are Embedded and Articulated in Engineering Syllabi
Guildenbecher, Daniel Robert	1029	Antoine Matis Fradet†	Characterization of liquid sprays in a micro injector
Gulewicz, Demetrius	1120	Allen Joseph Vidallon†	Fluid Network for Multifunctional HVAC Platform with Modular Thermal Storage
Gullett, Kelly Lorraine	7008	Landon Oliver King†	Synthesis and Reactivity of Lanthanides with Redox-Active Frameworks Towards Early Chalcogens?
Gundapaneni, Natasha Rajendrara	7100	Miram Elag† Mehar Jetly† Grace Lincoln†	Design and Development of a Multi-Modal Mechanical Testing Chamber for Cells
Guo, Qi	9021	Sophia Yixuan Lu† Huijie Loy†	All-in-One Camera
Gupta, Aparna	7032	Aryav Gogia† Arin Joshi‡	Quantifying Circular Economy Progress Using NLP and Word Embedding Models: An Industry-Level Semantic Analysis
Gupta, Vijay	1510	Soham Samir Seksaria†	Incentive Design for Home Heating System: Simulation Study for Incentivized-UCRL2 Algorithm
Gurevich, Naomi	9025	Mackenzie L Nord†	The Self-Reported Impact of Foreign Accents on Speakers of English
Gutierrez Pionce, Denisse Victoria	1051	Norah Riley Kopolow† Yara Zaidoun Hijaz† Lea Camille Vojslavek†	Optimization of In Vitro Fecal Fermentation

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Guzman Sanchez, Mariana	1051	Norah Riley Kopolow† Yara Zaidoun Hijaz† Lea Camille Vojslavek†	Optimization of In Vitro Fecal Fermentation
Haddad, Jeffrey M	1503	Harlie Elizabeth Robbins† Sridevi Ramkumar†	Walking Adaptations on Indoor and Outdoor Stairs and Inclines
Haddad, Jeffrey M	7037	Trevor James Fisher† Mary Kathleen Schuh† Andrew Joseph Rolofson†	Assessing Gait Stability at Variable Walking Speeds Using IMUs
Hagedorn, Isaac P	1082	Tarakanath Peddi† Aman Katyal† Shawn Chang† Aarsh Nishant Dave‡	Parameterizable Universal Verification Methodology testbench for Floating Point Unit Module
Halurkar, Manasi Suchit	1686	Karen Vanessa Salazar Salazar† Evangelina Sarah Kalathoti* Katherine Margaret Stockhausen*	Modeling DNMT1-associated neurodegeneration using human stem cell–derived cortical organoids.
Handwerker, Carol A	7030	Rachel Christine Quisil Ordiales† Carl Alexander Bravata†	Reliability of High-Temperature Pb-free Solders
Haq, Saad S B	1207	Barbara Soares Cabral†	Modelling the impact of weak stratigraphy on the development of accretionary prisms
Harroun, Alexis	1407	Benjamin Asa Cabot†	A Reduced-Order Model for Predicting Rotating Detonation Engine Performance
Hart, Orla M	1009	Lauren Isabella Carpenter†	Stress-Driven Regulation of Secondary Metabolites in Tomato
Hartwick, Jacob Edward	7109	Sydney Metz† James Thomas Pittard† Mason Patrick Julius Levere†	Automation Methods For Gamma Ray Spectroscopy and Data Analysis
Hashemi, Abolfazl	1237	Hussein Sayed Hanafy† Ahmed Atef Mahmoud Elsheshtawy Elbehiry†	Developing Computer Vision and Artificial Intelligence Systems for the Robots in RoboMaster Club
Hashemi, Abolfazl	9046	Qinjia Xu†	Robot Arm Control
Hayes, Andrea M	7017	Jasmine Xiu Cai† Arshia Ganesh† Prisha Nitin Shethia†	Scoping Review of Resilience Strategies to Mitigate Burnout for Social Service Providers
Haynes, Linda E	1091	Eshansh Rawat†	Trying to find a backup home: detecting habitable exoplanets using data science
Haynes, Linda E	1215	Vanessa Claire Cook†	Factors Influencing Mental and Cognitive Health in Old Age: Integrative Approaches to Active Aging
Haynes, Linda E	1261	Anna Thi Le†	Opportunities in Street Food to Promote Tourism and Culture
Haynes, Linda E	1283	Alexander Jake Myers†	Powering AI Data Centers: Examining Small Modular Reactors as a Possible Energy Solution
Haynes, Linda E	1287	Dominique Nieto Corona†	Racing Against the Odds: Understanding the Gender Gap in Motorsports Engineering
Haynes, Linda E	1305	Liesel Jeanette Schmidt†	Exploring Sleep Inertia through Biometric-Based Smart Alarm Design: A Meta-Analysis of Sleep Cycle Timing and Wake Patterns
Haynes, Linda E	1307	Shrreya Jegata Sethuramalingam†	AI Under Fire: Safeguarding Critical Systems from Adversarial Threats
Haynes, Linda E	1325	Yimeng Wang†	The Caregiving Gap in Asian Aging Population
Haynes, Linda E	1335	Sarrah Johar Zojwalla†	Balancing Profit and Risk: Reinforcement Learning Approaches to Market Making
Haynes, Linda E	1487	Isabella Sophia Metternich†	American vs European Construction: The Building Methods that have Shaped Human Propensity
Haynes, Linda E	1522	Maxwell James Stewart†	Soundwaves as a form of physical treatment in Medicine
Haynes, Linda E	1601	Shams Adigozalzade†	Bitterness Reduction in Foods and Beverages: A Literature Review of Readily Available Solutions
Haynes, Linda E	1619	Yohaan Chokhany†	Seeing Stress in Stocks: Simple Network Signals from Co-Movement

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Haynes, Linda E	7058	Andrew H Ngo†	Piano Playing Passwords
Haynes, Linda E	7067	Sarathisamy Velmurugan†	Greener Data Centers: How Custom Chips Can Power Sustainable AI and Blockchain Systems
He, Yanying	7062	Rosalyn S Chu†	IL-21 delivery to lymph nodes via albumin complexation for vaccine applications
He, Zijian	1237	Hussein Sayed Hanafy† Ahmed Atef Mahmoud Elsheshtawy Elbehiry†	Developing Computer Vision and Artificial Intelligence Systems for the Robots in RoboMaster Club
He, Zijian	9027	Evan Brent Osborne†	Armor Detection with computer vision within the context of a Robomaster competition
He, Zijian	9046	Qinjia Xu†	Robot Arm Control
Heckman, Brett Michael	1462	Pradyunn Vikram Kale† Justin Samuel‡	ECELabs.io upscaling - Making FPGA more accessible
Heckman, Brett Michael	9032	Justin Samuel† Pradyunn Vikram Kale‡	Applying and Enhancing New Ways to Educate on FPGA's
Heil, Brittany Nicole	1521	Emily Grace Smith†	Investigating the Role of PP2A-B56a in Cell Identity in NSCLC
Heil, Brittany Nicole	1678	Elisabeth Porter†	Cell-State Changes in Non-Small Cell Lung Cancer with the Suppression of CIP2A
Hein, Timothy Francis	1079	Sahil Dhruvan Patel† Heng-I Chu† Vihaan Reddy Chinthakindi† Mikhail Golovenchits†	AI Hardware Compiler
Hein, Timothy Francis	1080	Cameron Thomas Patt†	DFT for AFTx08
Hein, Timothy Francis	1217	Raunak Dani† Moe Wai Yan Myint‡ Niels van Ritbergen‡ Blake Alexander Andrews‡ Tei Okamoto‡	Clock Domains for SoCET Design Flow
Hein, Timothy Francis	1472	Saandiya KPS Mohan† Nikhil Kishore Vaidyanath† Myles Joshua Pristin Querimit† Mixuan Pan†	Atalla - Convolution & Systolic Array
Hein, Timothy Francis	1531	Minghan Wang† Asavari Deshmukh† Yun-Hsuan Chiu† Yu-En Lee†	Floorplanning on AFTx08
Hein, Timothy Francis	1637	Amogh Shivanand Havanagi† Ammar M Mukadam† Jayaditya Borah† Juneseok Kwon†	Title: Power, Performance, and Area Optimization of SoCET's AFTx07++ Semiconductor Chip
Hein, Timothy Francis	1652	Seokjae Kim† Evanjaline Sherl Sahaya Rajesh Durai† Hsin-Yu Tsern†	Physical and Logical Verification of the AFTx08 Chip through LEC, DRC and LVS
Hein, Timothy Francis	1670	Moe Wai Yan Myint† Blake Alexander Andrews† Tei Okamoto† Niels van Ritbergen† Raunak Dani‡	Clock Domains for SoCET Design Flow
Hein, Timothy Francis	9008	Noah Everett Desserich† Nathan Nanchuen Yu† Lucy Chenlu Xu† Laura van Ritbergen†	Open Access Design Flow Sub-team of SoCET
Henderson, Gregory C	1606	Jadyn Marie Befort†	The Effect of Moderate Continuous Exercise on Plasma Free Fatty Acid Carrier Proteins in Mice.
Henneberry, Debra	1620	Atandrila Chowdhury†	Analyzing Pilot Stress and Fatigue
Heo, Wookjae	9047	Xiaohan Yu†	Hotel Review & Revisit Correlation Analysis
Herchenbach, Patrick James	1530	Amber K Wang†	No Glovebox? No Problem. Accessing Hypoxic Electroanalysis Using Dense Gases in a Fishbowl

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Herrera Ospina, Eloisa	1065	Allison Paige Vick Miller† Emily Courtney Chan† Josi Laura Gallo‡ Grace Enpei Chen‡ Luke Thomas Benner‡ Brhandom Jeishryel Brisueno Lopez‡	Hotfoot: Effects of Combined Foot Heating and Compression for Type 2 Diabetes
Hill, Megan Leigh	1409	Daniel Michael Carrel†	10e7 Increase in Electrochemiluminescence Lifetime in the Tris(2,2'-bipyridyl)ruthenium(II)/Benzoyl Peroxide System Through Parasitic Pathway Suppression
Hoess, Andreas Josef	1299	Aveena Kuntal Rawal†	Simulation-Based Rotor Profile Design Process for Twin-Screw Compressors in High-Temperature Heat Pump Systems
Hong, Johnathan	1320	Aditya Verma† Karan Soni† Vishnu Madhav Ratakonda† Philip Louis-Karl Zautke†	Breadboard-based 8-Bit CLA
Hoon, Fan Jing	1062	Seth Thomas McConkey† Felix Liu† Cecilie Zhang† Aditya S Hebbani‡ Andrew James Larkins‡	Custom GPU Implementation for Graphics Workload Acceleration
Hoon, Fan Jing	1472	Saandiya KPS Mohan† Nikhil Kishore Vaidyanath† Myles Joshua Pristin Querimit† Mixuan Pan†	Atalla - Convolution & Systolic Array
Hoon, Fan Jing	1626	Kai Ze Ee† Zach Anthony Barna† Daniel EnYi Yang† Yash Singh†	"Cardinal CX00: A Compiler-Guided, Area Efficient GPU Frontend Architecture"
Hoon, Fan Jing	1632	Joseph Alan Ghanem† Chase Yungmin Johnson† Jacob Thomas Walter† Vedant Sharma‡	Atalla AI Accelerator - Vector Core
Hoon, Fan Jing	1642	Zay Linn Htet† Pranav Bantval† Jia-He Zhou† Justin Yasuumi†	Compiler from Graphical Workloads to Custom Instruction Set Architecture with Resource Maximizing Optimizations
Hoon, Fan Jing	1701	Tushar Singh† Aiden Hughes Sexton† Erhao Chen† Aidan Michael McDonough†	Nest: A custom GPU software library and benchmark for the in-development Cardinal gpGPU
Horgan, Briony H	1066	Walker Andrew Millhoff† Isabella Grace Shockley*	Mapping and Classification of Boulders in the South Pole-Aitken Basin
Horgan, Briony H	1102	Isabella Grace Shockley† Walker Andrew Millhoff* Kylee Rene Dodd*	Planning safer routes for a future rover on the Moon by integrating radar-based surface roughness with slope maps
Hoverman, Jason T	1427	Jonathan Lester Flinn†	Sublethal Impacts of Perfluoroalkyl Substance Mixtures and Parasite Exposure on Gray Treefrog Tadpole (Hyla versicolor) activity.
Hoyos Moreno, Andres Felipe	1084	Paresh Pobbati† Kush Aklank Kodiya† Basant Sharma†	Go Kart Track Localization
Hoyos Moreno, Andres Felipe	1122	Zhishan Wang† Kaijie Zhu† Jacob Forrest† Kieran Venkat Desireddi† Brian Sam Lee† Chi-Che Chen‡	Controller Design For Autonomous Racing Vehicle

Name	Presentation	Students	Title
Hoyos Moreno, Andres Felipe	1208	Siddarth Balaji Calidas† Aadya Rangole† Aya Wael Mohammed Tawfik Elghayaty† Andrew Dominick Angel† Pin-Hsuan Tu‡ Marko Daniel Peric‡	Autonomous Car Racing: A Weather Resistant Simultaneous Localization and Mapping Implementation
Hoyos Moreno, Andres Felipe	1236	Paul Michael Hamas† Akram Reda Mahmoud† Owen Chen†	VIP Digital Twin
Hoyos Moreno, Andres Felipe	1269	Jacob Charles Long† Chengming Wu† William David Bridgnell† Andrew Joseph Shelley‡ Alexander T Valdes‡ Margulan Mukhametkarim‡ Steven James Van Hulle‡	NSWC Autonomous Boating Challenge
Hoyos Moreno, Andres Felipe	1270	Jennifer Yunning Lu†	Segmentation model and path planning
Hoyos Moreno, Andres Felipe	1278	Suhani Mathur† Kareem AbdelHameed Hassan† Farah Moussa† Shaunabh Bose† Srihith Gangireddygari†	Simulating Adverse Weather Effects on Perception and Localization in Autonomous Racing
Hoyos Moreno, Andres Felipe	1298	Akul Ramasubban† Andrew Clark Cowen Cerrato† Alexander Haitian Zhang† Andrew Ryan Davidson† Avantika Shah* John Michael Wyman* Mohamed Mahmoud Zaitoun* Anubhuti Mittal*	Multi-Agent Simulation of Autonomous Drone Behavior in MATLAB Simulink
Hoyos Moreno, Andres Felipe	1309	Avantika Shah† Anubhuti Mittal† Mohamed Mahmoud Zaitoun† John Michael Wyman† Andrew Ryan Davidson‡ Andrew Clark Cowen Cerrato* Alexander Haitian Zhang* Akul Ramasubban*	A Game-Theoretic Control Framework for Competitive Drone Racing
Hoyos Moreno, Andres Felipe	1491	Sameer Ravi Murthy† Bea Alyannah Magsayo Cortes† Yash Rajendra Ashtekar† Tanay Jain†	Segmentation model and path planning
Hoyos Moreno, Andres Felipe	1629	Matthew Douglas Frago† Sumit Suditya Biswas† Suraj Ketan Patel† Benjamin Tianming Sun†	VIP Independent Motor Control- Dynamics & Controls Sub-team
Hoyos Moreno, Andres Felipe	1726	David Michael Yuhas† Griffin Xander Kanzeg† Ibrahim Shahid† Marco Alexander Wilson† Pedro Andres De Jesus Velez‡ Kyle Junzhe Wang‡	AMP: Independent Wheel and Motor Control Integration Sub-Team Fall 2025
Hoyos Moreno, Andres Felipe	7055	Sofi Zhang Schmitt† Siddhant Monish Tandale† Milica Slavkovic† Akul Goyal†	Unprotected Lefts and Merges: Evaluating Classical vs. Learned Planners in Rare Traffic Interactions
Hoyos Moreno, Andres Felipe	7056	Milica Slavkovic† Jacob Junjie Zhang† Diya Meeniga†	Unprotected Lefts and Merges: Evaluating Classical vs. Learned Planners in Rare Traffic Interactions

Name	Presentation	Students	Title
Hoyos Moreno, Andres Felipe	7086	Alexander T Valdes† Andrew Joseph Shelley† Steven James Van Hulle† Margulan Mukhametkarim† Chengming Wu‡ Jacob Charles Long‡ William David Bridgnell‡	NSWC AIMM ICC Autonomous Boating Challenge
Hoyos Moreno, Andres Felipe	9028	Aarya Patnaik† Letizia Angelica Echevarria† Aidan Kwan† Martin Ufer Aldana† Jae Hun Oh‡ Mathias Ufer Aldana‡ Yen-Ting Liu‡	Integrating Drive-by-Wire Systems for Autonomous Go-Kart Control
Hu, Haochuan	1071	Prisha Grace Mungara† Medhashree Parhy† Rakshit Pradhan† Sumedha Saravanakumar†	Benchmarking Motion Estimators on Single-Camera Cow Footage
Hussain, Muhammad Mustafa	1229	Zixuan Fei†	Integration and process compatibility of electrochemical and semiconductor sensors for wearable systems
Iglesia, Enrique	1608	Valeria Borja Dorado†	Synthesis of Zirconia Oxide Nanostructures Enriched in Low-Coordination Lewis acid-base pairs
Islam, Tunazzina	1666	Saahil Mathur† Ruth Tanjung Sugiarto* vedant Thakur* Seunghyun Yoo*	Factually Grounded and Human-Aligned RAG Systems for AI Governance and Policy
Islam, Tunazzina	1807	Pranav Perumal†	Paid Voices vs. Public Feeds: How Climate Narratives Diverge Online
Ivester, Kathleen M	1717	Emory Lane Ciula Walker† Tara Kathleen Kester*	Fish Oil Increases Plasma Eicosapentaenoic, Docosapentaenoic, and Docosahexaenoic Fatty Acid Concentration in Thoroughbreds
Iyer-Pascuzzi, Anjali	1640	Emma M Horn†	The Effect of Lunar Regolith Simulant on Crop Development and Response to Microbes
Iyer-Pascuzzi, Anjali	7096	Mateus Rocha Ripari† Paula Natalia Natalia Paez Monroy‡	Determining the Functional Domains of a Ralstonia solanacearum Type III Effector
Jagan, Vinay	1242	Julio Hernandez† Rafael Monteiro Martins Pinheiro† Haejune Kwon† Nicha Muninnimit* Duc Pham Minh*	AI Hardware Scratchpad
Jahanshahi, Mohammad Reza	1058	Colleen Li† Aadit Khurana† Tran Le Ngoc Vo†	Data Management for Smart Cities
Jahanshahi, Mohammad Reza	1800	Mohit Sachin Ambe† Yaduvir Singh†	SMART Cities Audio Sentiment Analysis Model for PASER Asphalt Grading
Jahanshahi, Mohammad Reza	7120	Arunasalam Subbiah† Sanjana Chinthalap Mohan† Priyanka Bansal‡ Dhruvika Deekonda‡ Ridham Jatinkumar Patel‡ Mark Vincent Waldron‡	VIP - Smart Cities - Data Annotation
Jain, Neera	1120	Allen Joseph Vidallon†	Fluid Network for Multifunctional HVAC Platform with Modular Thermal Storage
Jaiswal, Aparajita	7083	Pranav Ramnath†	Designing for Social Good
Janes, David B	1297	Vaishnnavi Purram† Bobby Gu‡ Annabelle Nakamura Defosse‡ Samuel K Law‡	Optimizing Photolithography and Metal Lift-Off for High-Fidelity MIM Capacitor Fabrication
Jarriel, Katherine	1400	Naeem Saeed Bahemia†	Project oCEANIC - Agent-Based Model Validation

Name	Presentation	Students	Title
Jarriel, Katherine	1802	Allyson Lynn Dinwiddie† Giovanni Ignatius Stabile† Anna Kathleen Dorson†	Change through Disaster: How the 1907 Typhoon Impacted Micronesian Communities
Jarriel, Katherine	7027	Jacob David Dorson† Christopher Gerald Farber† Marlo Ann Weber† Giovanni Ignatius Stabile‡ Danielle C Ejiogu‡ Hannah Morgan Stegall‡ Allyson Lynn Dinwiddie‡ Anna Kathleen Dorson‡ Naeem Saeed Bahemia‡	Project oCEANIC - Computing Environmental Adaptation and Navigation in Island Communities
Jaynes, Patricia A	1050	Macey Marie Kochert†	Determinants of Sugar Concentrations in the Foods of Wild Chimpanzees: Does drying technique matter?
Jenckes, Charles Holliday	9007	Shrikar N Dayalu† Krish Agarwal† Shusei Robson†	Pikes Peak Aerodynamical Analysis
Jha, Pragathi	1053	Sara Roslynn Lane†	Towards a Global Conflict Heat Map Informed by Climate Change Stressors
Ji, Namhee	7100	Miram Elag† Mehar Jetly† Grace Lincoln†	Design and Development of a Multi-Modal Mechanical Testing Chamber for Cells
Jo, Soo Jung	1852	Icyss Daleon Meredith†	What are the frequencies and percentages of vaccine uptake in rural Indiana based on the primary source of information in COVID-19 and Influenza vaccines.
Johns, Cortland Hannah	1061	Maria Luciana Mantilla Cajias† Bea Olivia Cabot‡ Wilhelm S Smith‡ Anna Julie Astrid Webb‡ Aasish Chowdary Karuturi‡	Analysis of Doxorubicin-Induced Cardiotoxicity Using Echocardiography and Dobutamine Stress Test
Johns, Cortland Hannah	1206	Bea Olivia Cabot† Anna Julie Astrid Webb‡ Aasish Chowdary Karuturi‡ Wilhelm S Smith‡	Identifying Doxorubicin-Induced Cardiotoxicity Using 4D Echocardiography
Johnson, Alexandria Vincenza	1043	Frances Geraldine Johnson†	Investigation of the Cloud-Nucleating Properties of Atmospheric Microplastics (AMPs)
Johnson, Keith	1019	Francis Willow Quinn Corvin†	Improved visual guides help new learners of grass morphology
Johnson, Mark	1034	Thomas Allen Greer† Chao Min Chung† Erik Kocinare† Emma Lynn Stump‡ Mohamed Mostafa Hassan‡	An In-depth Look at High-Speed High-Accuracy Pipelined ADCs
Johnson, Mark	1079	Sahil Dhruvan Patel† Heng-I Chu† Vihaan Reddy Chinthakindi† Mikhail Golovenchits†	AI Hardware Compiler
Johnson, Mark	1080	Cameron Thomas Patt†	DFT for AFTx08
Johnson, Mark	1082	Tarakanath Peddi† Aman Katyal† Shawn Chang† Aarsh Nishant Dave‡	Parameterizable Universal Verification Methodology testbench for Floating Point Unit Module
Johnson, Mark	1107	Benjamin Michael Sisk† Aiden Hughes Sexton‡ Sahil Mitra‡ Luke J Ferrer‡ Minghan Wang‡	CSME Polymorphic Logic

Name	Presentation	Students	Title
Johnson, Mark	1217	Raunak Dani† Moe Wai Yan Myint‡ Niels van Ritbergen‡ Blake Alexander Andrews‡ Tei Okamoto‡	Clock Domains for SoCET Design Flow
Johnson, Mark	1242	Julio Hernandez† Rafael Monteiro Martins Pinheiro† Haejune Kwon† Nicha Muninnimit* Duc Pham Minh*	AI Hardware Scratchpad
Johnson, Mark	1254	Dhruv Roopchand Khatri† Tri Than† Adrian Daniel Buczkowski* Aryan M Kadakia* Jason Dumaual Lyst*	Blocking DDR4 DRAM Controller
Johnson, Mark	1290	Dev M Patel† Sirui Yang† Joseph Allen Sowers†	Lockup-free Cache Verification based on UVM Platform
Johnson, Mark	1301	Elian Inigo Turcal Rieza† Aayuman Ghangurde† Sai Kaushal Sri Viswa Gautham Palaparthi† Rohan Shah†	Hash-based Pseudorandom Number Generator on ASIC
Johnson, Mark	1308	Priyan Kamlesh Shah† Andrew Doru Bogdan†	Design and Implementation of a Shield-Class Daughtercard Module utilizing an HSMC for FPGA-SRAM Interconnect Optimization
Johnson, Mark	1416	David James D'Amico† Antariksh Mukherjee† Mahimasai Gajawada† Timothy D H Han†	2x2 Matrix Multiplier
Johnson, Mark	1454	Edward Zhaolong Hu† Steven Li† Andrew Yu-en Loh† Sim Seyha Ou†	SoCET: PID Controller ASIC Accelerator for an Inverted Pendulum
Johnson, Mark	1472	Saandiya KPS Mohan† Nikhil Kishore Vaidyanath† Myles Joshua Pristin Querimit† Mixuan Pan†	Atalla - Convolution & Systolic Array
Johnson, Mark	1499	Preston Daniel Perkins† Omar Habib Habli† Jeffery Xiaotian Liu†	I2C UVM Testbench
Johnson, Mark	1513	Jaanav Bhavin Shah†	Accelerating a Polyphase Filter bank on an FPGA for NASA
Johnson, Mark	1531	Minghan Wang† Asavari Deshmukh† Yun-Hsuan Chiu† Yu-En Lee†	Floorplanning on AFTx08
Johnson, Mark	1632	Joseph Alan Ghanem† Chase Yungmin Johnson† Jacob Thomas Walter† Vedant Sharma‡	Atalla AI Accelerator - Vector Core
Johnson, Mark	1633	Omkar Ghodke† Peter Alexei Kaya Gretchikha† Joshua Angel Villasol† Evan Runzhao Liu†	Random Direct Memory Access (RDMA) Accelerator implementation on the HAPS-100 4F system
Johnson, Mark	1637	Amogh Shivanand Havanagi† Ammar M Mukadam† Jayaditya Borah† Juneseok Kwon†	Title: Power, Performance, and Area Optimization of SoCET's AFTx07++ Semiconductor Chip

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Johnson, Mark	1670	Moe Wai Yan Myint† Blake Alexander Andrews† Tei Okamoto† Niels van Ritbergen† Raunak Dani‡	Clock Domains for SoCET Design Flow
Johnson, Mark	1701	Tushar Singh† Aiden Hughes Sexton† Erhao Chen† Aidan Michael McDonough†	Nest: A custom GPU software library and benchmark for the in-development Cardinal gpGPU
Johnson, Mark	7016	Jeremy Jingrui Mao† Duc Minh Son Nguyen† Chris Jun Park† Taviish Bothra†	Real-Time 1-D Self-Balancing Control System on RISC-V AFTx07 Platform
Johnson, Mark	9000	Mohamed khaled Mohamed Atta† Don Anh Nguyen†	AHB-APB Bridge UVM
Johnson, Mark	9010	Matthew Du† Daniel Paul Wunderlich‡	Design and Implementation of Hardware Performance Monitors for RISC-V Processors with Selective Counter Management
Johnson, Mark	9018	Seungho Lee† Seongbin Lee† Hojun Choi† Daeun Kim†	OS Development with the AFTx07+
Johnson, Mark	9030	Alexander Popescu† Abhinav Palivela†	Accelerating Hardware Verification through Continuous Integration and Docker Optimization
Johnson, Mark	9033	Sandeep Saravanakumar† Matthew Yao† Michael Brayden Hudson† Brian Zhuang† Nicholas Zhang‡	USB Host Controller for AFT-series SoCs
Johnson, Mark	9043	Henan Wang†	Design and Characterization of a Precision Bandgap Voltage Reference for CMOS Analog Systems
Johnson, Mark	9045	Michael Daoming Wu† Soumen Pradhan‡ Oscar Surendranath‡ Connor Matthew Lai‡	Matrix Multiplication Accelerator
Johnson, Michael Douglas	1112	Dev Hiten Suraj†	The Effects Of Peer Relationships On Student Performance
Johnson, Michael Douglas	1228	Anna Grace Ewing†	Investigating Basic Needs Resource Access and Student Academic Success at Purdue University
Johnson, Michael Douglas	1248	Cole Thomas Hunt†	Physical Activity and Academic Success in College Students
Johnson, Michael Douglas	1259	Joseph Richard Kunkel†	User Experience with Brightspace at Purdue
Johnson, Michael Douglas	1316	Helen Claire Torgerson†	Investigating Student Awareness and Utilization of Campus Mental Health Resources at Purdue University
Johnson, Michael Douglas	1476	Layla Marie Lanari†	The Impact of College Residence Living on Student Well-being
Johnson, Michael Douglas	1490	Ashley Marie Moseley†	Campus Involvement and Career Preparedness
Johnson, Michael Douglas	1511	Maggie Rose Self†	Exploring Crisis Preparedness: An Investigation of the Crisis Management Plan at Purdue University
Johnson, Michael Douglas	1622	Samantha Marie Cook†	Comparing Retention of Material When Taking Notes by Hand Vs. Digitally
Johnson, Michael Douglas	1703	Brooke Mia Spindler†	The Impact of Greek Life Involvement on Student Mental Health
Johnson, Michael Douglas	1856	Claire Margaret Richardson†	Exploring Academic Support Services for Student Athletes at Purdue University
Johnson, Season	7088	Sujal Joshi†	Astrocytes and the MR1/MAIT Cell Axis in the PS19 Transgenic Model of Alzheimer

Name	Presentation	Students	Title
Jung, Andreas	1045	Sanjith Jothi Bala† Nikhil Sai Kodali† Gechun Guo†	A Comparative Analysis of Quanvolutional and Classical Neural Networks for Natural Disaster Image Classification
Jung, Andreas	1203	William David Boulton† Kabir Jain† Carina Leigh Jacobson† Nicolas Bustamante†	Higgs Signal Classification with Machine Learning
Jung, Andreas	1262	Derek Yishio Lee† Sarina Manchirala† Anubhav Majumdar† Nikhil Sai Kolli†	Pushing Quantum Limits: How Error Mitigation Makes Simulations More Reliable
Jung, Andreas	7075	Dewang Sahay† Kai James Sustersic† Jacob Antony†	Deep Neural Network to Separate the Higgs Boson Signal from Background Noise using Compact Muon Solenoid (CMS) data
Jung, Andy	1129	Nadav Yaniv† Edgar Robles† Stephen Reeves† Sicheng He†	A Hybrid Quantum–Classical Deep Learning Approach to Chest X-Ray Classification
Jung, Andy	1444	Raymond Denver Hammonds† Yeochan Youn† Nathan Lee† Hayden Len Ellis†	Monte Carlo Reconstruction Of The Discovery Of The Higgs Boson In The Decay Process
Jung, Andy	1465	Matthew Christopher Kim† Shihui You† Gabriel Hammond† Suhani Sunder‡	Identifying the Higgs Boson from CMS Simulated Events
Jung, Andy	1495	Cadance William Lucas Ormsby† Ethan De-Chuan Wang† Layla Isabelle Shihab†	Training a Deep Neural Network to Identify the Higgs in LHC Run 2 Data
Jung, Andy	1635	Keshav Gollamudi† Honghai Gong† Soham Roy†	Quantum Reinforcement Learning: A Survey and Comparative Study with Classical Methods
Jung, Andy	1655	Arushi Kolluru† Misty Chen† August William Mauer†	Reconstructing the Higgs Boson through the Big Data Analysis
Jung, Andy	1674	Abhinav Vijay Pande† Adarsh Narayanan† Rahul Nagisetty† Vivan Nagrath†	Quantum Annealing for Feature Selection: A Comparative Study on the MiniBooNE Dataset
Jung, Andy	1708	Jonathan Maxwell Sutjandra† Andrew Christopher Nilsson† Asrar Ul Haq Asrar Ul Haq†	Higgs Boson vs Background Signal Machine Learning
Jung, Andy	1713	devyani tyagi†	Algorithm Optimaztion for Anaysing Star Clusters using Color-Magnitude Diagrams
Jung, Andy	7109	Sydney Metz† James Thomas Pittard† Mason Patrick Julius Levere†	Automation Methods For Gamma Ray Spectroscopy and Data Analysis
Kalman, Jordan James Wess	1211	En-Hua Chang†	Large Format Additive Manufacturing - Anisotropic Shrinkage and Crtstallization Kinetics in Semi-Crysalline Polymer Composite
Kalman, Jordan James Wess	1418	Francisco Javier De La Victoria Vazquez† Luis Manuel Alvarez Casillas‡	Evaluation of Thermoplastic Composite Rivets for Single-Lap Joints: Comparison with Induction and Hybrid Joining Methods
Kalman, Jordan James Wess	1683	Luis Andre Romero Alvarez†	Molding of Hybrid Continuous and Discontinuous Fiber Systems to Improve Strength and Reduce Variability
Keehn, Brandon	1509	Grace Lauren Scott† Seung-Yeol Yoon‡	Evidence of increased cerebral lactate levels in autism: The role of the locus coeruleus - norepinephrine system
Keehn, Brandon	7035	Rachel Marie Rieck†	Sex Differences in Internalizing and Externalizing Symptoms in Toddlers with Autism.

Name	Presentation	Students	Title
Keller, Julius C	1620	Atandrila Chowdhury†	Analyzing Pilot Stress and Fatigue
Kenley, Charles Robert	7105	Priyank Behera†	Gaussian Bayesian Networks for Estimating Stiff Continuous-Discrete Stochastic Systems with Ill-Conditioned Measurements
Khare, Gautam Vivek	1304	Aneesh Sathaye†	Magnetic Active-MPT for Yield Stress Quantification in PEG-Based Hydrogels
Khorsandi, Majid	1049	Anna G. Klupshas†	Manganese (Mn) doped bone equivalent phantoms for in vivo neutron activation analysis
Khwaja, Basil	7121	Ojas Chaturvedi† Emily Ran Li† Junyong Lee† Shreeya Vishram Sarurkar† Vishaal Iyer‡ Arnav Ashish Kalekar‡ Elliott Jameson Soderberg‡ Sean Xiaoyang Su‡ Isha Virat Yanamandra‡ Kayshav Bhardwaj* Tanay Hemant Gondil* Sanshray Kumar* Franklin Shang* Ritwik Suresh Jayaraman*	Automatic Music Transcription – AI for Music
Kildishev, Alexander V	1618	Geetika Chitturi†	Characterization of Gallium-Doped Zinc Oxide Thin Films for Tailoring Thickness-Dependent ENZ Wavelength and Loss
Kim, Garam	1418	Francisco Javier De La Victoria Vazquez† Luis Manuel Alvarez Casillas‡	Evaluation of Thermoplastic Composite Rivets for Single-Lap Joints: Comparison with Induction and Hybrid Joining Methods
Kim, Garam	1602	Luis Manuel Alvarez Casillas† Francisco Javier De La Victoria Vazquez‡	Characterization of Kerf Angle Zones in Abrasive Waterjet Machining of Composite Laminates
Kim, Garam	1683	Luis Andre Romero Alvarez†	Molding of Hybrid Continuous and Discontinuous Fiber Systems to Improve Strength and Reduce Variability
Kim, Garam	1714	Bruno Marcelo Uribe Velazquez†	Development and Preliminary Characterization of a Robotic WAAM Platform for Metal Additive Manufacturing
Kim, Garam	7043	Caden Cole Cowles†	STRUCTURAL PERFORMANCE RESTORATION OF FIBER-REINFORCED COMPOSITE PATCH REPAIR FOR STEEL BRIDGE GIRDERS
Kim, Garam	7059	Paul Kyu-Hwan Park†	Thermomechanical Stress Prediction and Validation in Modular Additively Manufactured Fiber-Reinforced Composite Tooling with Adhesive Bonding
Kim, Jaeeun	1036	Seungho Han† Leah Ye Eun Tak† Ruby Eskinder Woudneh† Jonathan Joseph Johnson† Saran Nicole Wagner‡ Veronica Ruan-an Cheng‡ Elijah Francis Guison-Dowdy‡ Yonathan Gur‡ Michael Borokhov‡	Design of a Humanoid Robotic Hand for Enhanced Dexterity
Kim, Jaeeun	1403	Pranjal Bhatia†	Facilitating space exploration through the creation of a humanoid robot able to perform complex tasks under the harsh conditions of space and other planets.
Kim, Jaeeun	1514	Milan N Shah† Chee Ying Tay*	Achieving Dynamic Stability in a Full-Body Humanoid Robot Simulation using ROS2 for VIP Humanoid Robot Club

Name	Presentation	Students	Title
Kim, Jaeeun	1515	Drish Jaykishan Shah† Madhav Amit Arora† Quinn Robert Traas† Elvin Xuyang Li† Pranjal Bhatia‡ Gabriel Duarte Rengifo‡ Arya Bhangale‡ Charlotte Eva Regnier‡ Henry David Pham‡	Facilitating space exploration through the creation of a humanoid robot able to perform complex tasks under the harsh conditions of space and other planets.
Kim, Jaeeun	1710	Quinn Robert Traas† Gabriel Duarte Rengifo† Elvin Xuyang Li† Arya Bhangale† Pranjal Bhatia‡ Charlotte Eva Regnier‡ Lavanya Sridhar‡ Henry David Pham‡ Madhav Amit Arora‡ Drish Jaykishan Shah‡	Facilitating space exploration through the creation of a humanoid robot able to perform complex tasks under the harsh conditions of space and other planets.
Kim, Jaeeun	9019	Elvin Xuyang Li† Gabriel Duarte Rengifo† Madhav Amit Arora† Drish Jaykishan Shah†	Facilitating space exploration through the creation of a humanoid robot able to perform complex tasks under the harsh conditions of space and other planets.
Kim, Jozue	1297	Vaishnnavi Purram† Bobby Gu‡ Annabelle Nakamura Defosse‡ Samuel K Law‡	Optimizing Photolithography and Metal Lift-Off for High-Fidelity MIM Capacitor Fabrication
Kim, Myeong Won	7019	Vaishnavi Bansal†	Children's Perceived Socioeconomic Status and Inclusion of Peers from Different Countries
Kim, Yesol	1509	Grace Lauren Scott† Seung-Yeol Yoon‡	Evidence of increased cerebral lactate levels in autism: The role of the locus coeruleus - norepinephrine system
Kim, Yesol	7035	Rachel Marie Rieck†	Sex Differences in Internalizing and Externalizing Symptoms in Toddlers with Autism.
Klang, Laila Alexandra	1003	Rebeca Joyce Appelmann† Kylee Ann Thorson* George D Emerson*	Assessing gray fox occupancy along forest edges in Indiana using camera traps
Kong, Nan	1004	Nathan James Arnold† Carly Melissa Frith† Wei-Yun Liu† Prithika Rashmi Gopal† Lucas Soldano‡ Owen Jacob Lee‡ Rhys Marie Shilling‡ Sahitya Shivany Satish Kumar‡ Victor Ionut Ene* Parth Kailash Dubal*	Autonomous Emergency Response UAV for Rapid NARCAN Delivery
Kong, Nan	1688	Hector Armando Salinas Gordillo†	Exploring Interactive Robotic Music Therapy Systems for Rehabilitation: A Survey
Kong, Nan	7101	Margaret H Prokopy†	Rwanda Demographic and Health Survey-Based Analysis to Identify Influence Factors on Rwanda Post-Partum Family Planning
Krishna, Ashima	7028	Kirah Leigh Knobel†	Researching the Purdue State Bank
Krishna, Ashima	7044	Rylie Lynn Knobel†	Researching the Caretakers' Cottage in Grand View Cemetery
Krishna, Ashima	7045	Norah Miller†	Researching One-Room Schoolhouses and the Preservation of the Morris Schoolhouse
Krishna, Ashima	7115	Prerona Kaushik†	Researching 501 Indiana Avenue Property
Krishna, Ashima	7117	Suhani Maini†	The New Avenue: From Black Main Street to Boiler Green

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Krusemark, Casey J	1054	Braxton RobertJame Larson†	Developing a DNA encoaded library to target CBX8
Kuhn, Jonathan R	1453	Michael Charles Howes†	Assessing the Effects of Welding Fumes on Cognitive, Motor, and Mood Function in Welders Using Bootstrapped Bayesian Networks.
Kuhn, Jonathan R	1644	Breanna Lee Hutter†	Using Statistical Analysis to Measure the Effects of Metal Exposure and Metal Mixtures on Welders
Kuhn, Richard J	1028	Colton Joseph Forrest†	Generation of Chimeric Platforms for the Structural Study of HCV Envelope Glycoproteins
Labi, Samuel	1122	Zhishan Wang† Kaijie Zhu† Jacob Forrest† Kieran Venkat Desireddi† Brian Sam Lee† Chi-Che Chen‡	Controller Design For Autonomous Racing Vehicle
Labi, Samuel	1269	Jacob Charles Long† Chengming Wu† William David Bridgnell† Andrew Joseph Shelley‡ Alexander T Valdes‡ Margulan Mukhametkarim‡ Steven James Van Hulle‡	NSWC Autonomous Boating Challenge
Labi, Samuel	1278	Suhani Mathur† Kareem AbdelHameed Hassan† Farah Moussa† Shaunabh Bose† Srihith Gangireddygari†	Simulating Adverse Weather Effects on Perception and Localization in Autonomous Racing
Labi, Samuel	1629	Matthew Douglas Frago† Sumit Suditya Biswas† Suraj Ketan Patel† Benjamin Tianming Sun†	VIP Independent Motor Control- Dynamics & Controls Sub-team
Labi, Samuel	1726	David Michael Yuhas† Griffin Xander Kanzeg† Ibrahim Shahid† Marco Alexander Wilson† Pedro Andres De Jesus Velez‡ Kyle Junzhe Wang‡	AMP: Independent Wheel and Motor Control Integration Sub-Team Fall 2025
Labi, Samuel	7055	Sofi Zhang Schmitt† Siddhant Monish Tandale† Milica Slavkovic† Akul Goyal†	Unprotected Lefts and Merges: Evaluating Classical vs. Learned Planners in Rare Traffic Interactions
Labi, Samuel	7056	Milica Slavkovic† Jacob Junjie Zhang† Diya Meeniga†	Unprotected Lefts and Merges: Evaluating Classical vs. Learned Planners in Rare Traffic Interactions
Labi, Samuel	7086	Alexander T Valdes† Andrew Joseph Shelley† Steven James Van Hulle† Margulan Mukhametkarim† Chengming Wu‡ Jacob Charles Long‡ William David Bridgnell‡	NSWC AIMM ICC Autonomous Boating Challenge
Labi, Samuel	9028	Aarya Patnaik† Letizia Angelica Echevarria† Aidan Kwan† Martin Ufer Aldana† Jae Hun Oh‡ Mathias Ufer Aldana‡ Yen-Ting Liu‡	Integrating Drive-by-Wire Systems for Autonomous Go-Kart Control

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LaFontaine, Patrick William	7124	Francille Zhuang†	Ariadne: Discovering PBT Generator Weights with Dynamic Sampling
Lai, Jingyi	1227	Weston James Ertel†	RUDOLF Project
Lai, Jingyi	1729	Yanming Zhou†	RUDOLF: automatically checking accessibility of floorplans
Lai, Jou-Ting	7029	Geetika Chitturi†	Modeling and Fabrication of Resistive Random Access Memory in the Back-End-of-Line for In-Memory Computing Applications
Lai, Xuanying	1041	Ian William Jack† Stephen Feiyang Wang‡	High-Optical-Depth Cold Atom Ensemble for Narrowband Entangled Photon Generation
Landis, Benjamin	7085	Joshua Paik†	Automated Segmentation of Aortic Wall Boundaries in patients with Thoracic Aortic Aneurysms
Laskin, Julia	7022	Erik Robert Sveen†	Efficient and Cost-Effective Enzyme Deposition onto Tissues for Mass Spectrometry Imaging of N-Glycans using a Mini-Humidifier
Lawrence, Jeremy Hugh	1493	William Isaiah Need† Nijaul Wyatt Drollinger* Lilia Elizabeth Raes*	Developing Undergraduate Inorganic Laboratory Projects through the Synthesis and Characterization of Manganese\Rhenium Tricarbonyl Complexes
Lawton, Jolene Teresa	1238	Juliana Harges†	The Value of a Voice Tools Application in Speech Therapy
Layman, Brady Robert	1409	Daniel Michael Carrel†	10e7 Increase in Electrochemiluminescence Lifetime in the Tris(2,2'-bipyridyl)ruthenium(II)/Benzoyl Peroxide System Through Parasitic Pathway Suppression
Le, Tho	1424	Brandon Anthony Farber†	Harnessing Kinetic Energy from Vehicles for Sustainable Power: Potential and Implementation Challenges
Le, Tho	1712	Shou-Fu Tseng†	Matching Methods for On-demand Transportation Services
Lee, Hongmi	1264	Seo Young Lee† Sein Kim† Taehong Min† Jungmin Im‡	A systematic review of GABA(A)receptor expression modified by histone deacetylase regulation
Lee, Jaeil	1700	Diya Singh†	AI-Based Walkability Ecosystem: A Personalized, Social and Adaptive Solution to Urban Mobility and Public Health
Lee, Ju Na	7100	Miram Elag† Mehar Jetly† Grace Lincoln†	Design and Development of a Multi-Modal Mechanical Testing Chamber for Cells
Lee, Kevin T	9003	Frank Mingyuan Chen† Courtney Grace Marsh† Mariana Ortiz Martinez Troncoso† Christopher Hao Xuan Xie†	Intelligent Data Validation for Agricultural Sensor Networks Using LLMs
Lee, Kevin T	9022	Henry John McGee† Anya Panday† Cyrus Kasten Gonzalez† Marteza Hossein Rajabi† Justin Denson Duke‡ Shashaank Sajeethraja‡ Andrew Brandon Underwood‡ William Joseph Buchmeier‡	Farm robotic challenge – S.A.F.E.-Bot
Lee, Kiseop	1218	Alok Das†	A Topological Approach to Parameterizing Deep Hedging Networks
Lee, Kyung Jun	1106	Manaswini Singh† Priya Mishra‡ Sagarika Menon‡	Engineering 2D Materials for Controlled Quantum Defects with ML Assistance
Lee, Linda S	1023	Alina Marie Dziembowski†	Measuring Levels of Ultrashort-chain Per- and Polyfluoroalkylated Substances in Blood Collection Tubes

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Lee, Sunghwan	1048	Dillon Brennan Kay†	Activation Energy of Electronic Conduction in p-type Tin Oxide
Lehto, Mark R	1700	Diya Singh†	AI-Based Walkability Ecosystem: A Personalized, Social and Adaptive Solution to Urban Mobility and Public Health
Lehto, Xinran Y	1700	Diya Singh†	AI-Based Walkability Ecosystem: A Personalized, Social and Adaptive Solution to Urban Mobility and Public Health
Leifsson, Leifur Thor	1438	Bogomir Vincent Glavan†	A Multifidelity Point Cloud Autoencoder for Aerodynamic Uncertainty Analysis
Leifsson, Leifur Thor	7097	Mason J Kramer†	A Multifidelity Machine Learning Approach for Airfoil Design with Transonic Buffet Constraints
Leitch, Stephen R	1005	Davey Lee Avenatti† Preston Michael Down† Alex Michael Shie† Ryan Scott Petranek† Reagan Luther Collins‡	Mulhaupts - from B2B to B2C
Leitch, Stephen R	1025	Andee Michelle Elenbaum† Sydney Lynn Williams† McKenna Rae Toltzman† Kaitlin Rose Otto†	Indianapolis Zoo Consumer Behavior Project
Leitch, Stephen R	1031	Gabriel Jonathan Fryling† Naviin Ruban Siva† Rohan Cheng Hsiao† Mbissane Latyr Ndir† Amin ur Rehman Sheikh‡	Strategic Marketing Plan for Millies Thrift Store
Leitch, Stephen R	1037	Morgan E Henry† Sean Andrew Friddle† Christopher Charles Rubright† Kathleen Marie Soedel† Mallory Kate Rupp‡ Madeeha Sadiq‡	The Future of Wildcat Creek Winery
Leitch, Stephen R	1060	Pooja Madhav† Ashlyn Marie Jewell† Linda Azucena Ontiveros† Anna Victoria Sanders† David M Rebmann‡ Madison Nicole Gaydos‡	Reimagining Nostalgia: A Marketing Roadmap for SDI Innovations
Leitch, Stephen R	1103	Sara Elizabeth Sinclair† Catalina Vergara Galarza† Raleigh Warner Burgess† Paraskavas Nikiphoros Mintidis† Aiden James Deckard‡ Everly Echo McKenzie‡	The Dog Run Case Study
Leitch, Stephen R	1214	Jeremy Francis Ciaramella† Andrew Dean Fredette† Austin James Knipp† Matthew David Pelletier† Joshua Andrew Zyrek‡ Masahiro Suzuki‡	Consumer Behavior Case Study on Fisher Funeral Home
Leitch, Stephen R	1256	Tammy Kong† Sally Chowon Bae† Eddy Zhang† Elisa Chung† Wan Tian‡ Yehor Khaidakin‡	The Dog Run Case Study
Leitch, Stephen R	1285	Rishi Venkatesh Natarajan† Gavin Challman† Tanner Reid Oracheff† Kevin Marin† Hantao Zhang† Sarah Ahmed Alharthi†	Increasing Audience Engagement for Purdue Theatre & Dance through Strategic Marketing Innovation

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Leitch, Stephen R	1323	Brayden Eric Walters† Anh Thi Van Nguyen† Isaac Thomas Dietz† Anoushka Bade† Francisco Eduardo Menendez-quintanilla‡ Hyoungjin Kwon‡	Purdue Theater Marketing Analysis
Leitch, Stephen R	1331	Allie Faye Xiao† June E Spalding† Alexander Ritz Clark† Ethan Wayne Scott† Connor William Roach‡ Nicholas Page Huesing‡	Case Study: Colorchase
Leitch, Stephen R	1445	Chloe Grace Hardesty† Brinley Renee Pressler† Shelby Jo Schambach† Josephine Rose Hanas†	Enhancing Marketing Strategies for Wildcat Creek Winery: A Consumer-Centered Approach
Leitch, Stephen R	1455	Micah Danel Huckaby† Jacob Randal Patty† Abigail Marie Carroll† Emily Rose Christman† Patience Rae Bridges‡ Samuel Stephen Sosebee‡ William Monroe Resnick‡	Wildcat Creek Winery Improvements
Leitch, Stephen R	1473	Daniel Joseph Kral† Ian George Sellar† Liam Bennett Arnold† Ramiro Jose Gonzalez† Sara Negishi‡ Riya Dadheech‡	Fisher Funeral Chapel
Leitch, Stephen R	1496	Daniel Thomas Osborne† Jacob Michael Cohen† Marshall Alex Prince† Paulette Arely Fernandez† Emory Fortin‡ Samuel Lewis Denny‡	Abstract Matchbox Coworking Studio
Leitch, Stephen R	1504	Madelyn Marie Roberts† Alexandra Li Alderink† Yilin Xiu† Caitlin Yvonne Bain† Giavanna Noelle Buscarini‡ Christina S Li‡	Pink Team Cleaning Services
Leitch, Stephen R	1506	Bristol Ryan† Raechel Thara Davids† Rishi Sai Kattunga† Thira Rayne Minauskas† Kiera Young‡ Hayden Christopher Marecki‡	The Country Mansion
Leitch, Stephen R	1507	Ethan William Scheuneman† Krish Aggarwal† Maha Sohail Chaudhry† Arnav Bhatia† Andre Kunrath Menna Barreto Fialho‡ Tanmayi Sharat‡ Nitish Reddy Vanga‡	Wildcat Creek Winery
Leitch, Stephen R	1517	Katherine A Sheehan† Breckon Lee Riley† Gunit Kaur† Benjamin Herbert Withers† Rusheel Rao Nadipally‡ Adeola William Olashore‡	Mission and Market: Actionable Growth Strategies for Millie's Thrift Store

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Leitch, Stephen R	1519	Kushagra Sisodia† Alexander Michael Denysenko† Jake Everett McDermott† Samuel James Beebe† Om Hemant Pandharipande‡ Jathniel O Ahonsi‡	The Country Mansion- Selling the Tranformation
Leitch, Stephen R	1528	Zoe Angela Tu† Ruby Jean Woodson† Avery Hweichi Lee† Nayan Suresh Nair† Sophia Pauline Patrinos‡ Lucas Michael Keeney‡	Fisher Funeral Chapel Marketing Study
Leitch, Stephen R	1533	Josephine Lee Whitcomb† Isabella Truly Holloway† Lynette Garcia-Gonzalez† Ellen Nicole Van Dokkenburg† Charlene Valentine Cheng‡ Meera Sachdeva‡ Aswatha Sundaresan‡	Pink Cleaning A Marketing Case Study
Leitch, Stephen R	1624	Kai J Dhakhwa† William Paxton Jost† Teck Yee Ng† Hussain Sadiq Alsinan† Hugh Edward Flannery‡ Leonard Wencl‡	How Color Can Change a Life: A marketing Strategy for Colorchase
Leitch, Stephen R	1628	Addison M Filipovich† Trisha Raman† Kassidy L Trent† Laura Sofia Samaniego†	Reviving The Country Mansion: A Consumer Behavior Approach
Leitch, Stephen R	1641	Connor Bryn Hoy† Jonathan Huang† Taotianchen Wan† Ishank Shekhar†	Purdue Theater External Audience Engagement Strategies
Leitch, Stephen R	1692	Dominic Joseph Sciacca† Zachary Andrew Lovell† Tyler Arthur Verhaalen† Deep G Patel†	Marketing Research for Mulhaupts
Leitch, Stephen R	1707	Elle Miriah Stowers† Sydney Jo Muller† Emma Grace Day† Emma Grace Dodson† Alexandra Mae Hildreth† Aubrey Janell Kennelly‡	Rebranding of the Country Mansion Case Study
Leitch, Stephen R	7063	Chloe Maureen Newman† Alexis Joy Roberts† Advaitika Badruka† Katherine Mary Kaizer† Carson Anderson Ollila‡ Brooke Regina Evans‡	The Pink Foundation - Consumer Behavior Project
Li, Christopher Hou	1041	Ian William Jack† Stephen Feiyang Wang‡	High-Optical-Depth Cold Atom Ensemble for Narrowband Entangled Photon Generation
Li, Haitong	7029	Geetika Chitturi†	Modeling and Fabrication of Resistive Random Access Memory in the Back-End-of-Line for In-Memory Computing Applications
Li, Jianing	7098	Isabel Estela Lusky† Samuel S Copeland†	A Comparison of Lipid Nanoparticle Cholesterol Composition using Molecular Dynamics Simulations of Coarse-Grained Models
Li, Junfei	1326	Yize Wang†	Developing a High-Quality Project Guide for ECE270 students
Li, Junfei	1462	Pradyunn Vikram Kale† Justin Samuel‡	ECELabs.io upscaling - Making FPGA more accessible

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Li, Junfei	1467	Geuntae Kim†	Bridging Theory and Practice: A Software-Controlled Analog Circuit Platform for ECE 20007
Li, Junfei	1469	Jason Andrew Klutho†	Designing a program to create SystemVerilog implementation of a diagram on ECELabs.io
Li, Junfei	9020	Michael Li†	Ansible for better maintainence of ECELabs.io
Li, Junfei	9032	Justin Samuel† Pradyunn Vikram Kale‡	Applying and Enhancing New Ways to Educate on FPGA's
Li, Zihan	1706	Evan Michael Stonestreet†	Pokémon AI Adventure
Limiac, Amanda K	1806	Isabella Virginia Levine†	Isolation and Characterization of Arthobacter phage LetsGoKnicks from West Lafayette, IN
Limiac, Amanda K	7127	Olivia Madison Krzyzanowski† Natalie George Khazal† Adriana K Sanchez†	Comparison of Environmentally Collected Bacteriophages
Lindemann, Stephen R	1051	Norah Riley Kopolow† Yara Zaidoun Hijaz† Lea Camille Vojslavek†	Optimization of In Vitro Fecal Fermentation
Lindshield, Stacy	1050	Macey Marie Kochert†	Determinants of Sugar Concentrations in the Foods of Wild Chimpanzees: Does drying technique matter?
Liu, Julie C	1132	Yuan Heidi Yue†	Developing Collagen and Hyaluronic Acid Matrices to Model Nanoparticle Transport in Brain Extracellular Environments
Liu, Julie C	1685	Eliana Saavedra†	Design of Hyaluronic Acid-Based Hydrogels for Brain Tissue Mimicry and Nanoparticle Transport Studies
Liu, Yuning	1067	Rachel Marie Miskelly† Khanh Ha Nguyen‡ Pablo Arriagada Turrent*	Genetic Engineering to Target CD9 on NK cells for Glioblastoma Multiforme Immunotherapy
Liu, Yuxuan	9021	Sophia Yixuan Lu† Huijie Loy†	All-in-One Camera
Lopez, Amanda Michelle	1413	Yoonjung Choi†	Investigating the Molecular Mechanism of PBCV-1 Virus-Induced Lipid Production Enhancement for Renewable Energy
Lopez, Jonathan	1699	Jabez Soongeui Shin† Stiwar Albeiro Catano Cardeno‡	Effects of artificial light at night and traffic noise on tadpole development and physiology
Lu, Chenyang	1709	Jeeya Vijay Thukral†	Thermotolerance Testing for N. Fowleri Amoeba (Nf69)
Lu, Yung-Hsiang	1085	Ronit Podder† Anirudh Vummadising† Shivoy Sharma* Arnav Adi Vemula*	Robotic Glockenspiel Research Abstract
Lu, Yung-Hsiang	1268	Xuanrui Lin† Pranav Boyapati† Arvind Shyam† Luisa Cruz Miotto†	Optimizing Open-Vocabulary Segmentation via CNN Backbone Replacement and Knowledge Distillation
Lu, Yung-Hsiang	1334	Boyang Zhang† Jiashu Liu†	Sound Quality Improvement in Robotic Cello Playing
Lu, Yung-Hsiang	1471	Kayoon Koh† Trevor Mission Ju† Preston Tang Mo† Ziang Wang* Michael X Zhang* Ekaterina Tszyao* Shrinand Perumal* Sanjana Tatavarthi* Jackson Patrick Shields* Paige Lorenz* Sivamurugan Velmurugan* Luke Jaehyeon Choi*	Real-Time Evaluation of Cellist Posture Using On-Device Computer Vision

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Lu, Yung-Hsiang	1526	Ashwin Kazuki Thampi† Vera T Gao† Aryan Kiran Kumar Chamarajanagar† Kaya Tacer†	Shaping Music Practice with Automated Evaluation
Lu, Yung-Hsiang	1616	Christopher Timothy Chan† Aadithya Vasudevan†	Low Power Computer Vision Challenge: Forgery Detection in AI Generated Images
Lu, Yung-Hsiang	1688	Hector Armando Salinas Gordillo†	Exploring Interactive Robotic Music Therapy Systems for Rehabilitation: A Survey
Lu, Yung-Hsiang	7082	Bingyi Liu† Avery Fisher Noroozi† Shireen Malhotra† Qiuyang Huang† John Alexander White†	Computer Vision and Generative Models - Music Performance Video Synthesis and Verification
Lu, Yung-Hsiang	7121	Ojas Chaturvedi† Emily Ran Li† Junyong Lee† Shreeya Vishram Sarurkar† Vishaal Iyer‡ Arnav Ashish Kalekar‡ Elliott Jameson Soderberg‡ Sean Xiaoyang Su‡ Isha Virat Yanamandra‡ Kayshav Bhardwaj* Tanay Hemant Gondil* Sanshray Kumar* Franklin Shang* Ritwik Suresh Jayaraman*	Automatic Music Transcription – AI for Music
Lu, Yung-Hsiang	9049	Tiffany Yung†	Vision-Guided Autonomous Robotic Drummer Using AprilTag Localization
Lukov, Laura Lynn	1332	Ambhranee Yakkundi†	Reconfiguration of the Microtubule Network and Dynamics in Hypoxic Cancer Cells
Luo, Junjie	1263	Nana Lee† Tanvi Dhawade† Roy Liu†	Low-Power Passive 3D Depth Camera: Reimplementation of Focal Split
Luo, Junjie	9048	Peter Luo Yu†	Calculating Image Depth using Focal Split
Luo, Zhuojun	7065	Vatsal Sanjeevkum Dudhaiya† Jackson Drew Douvas† Isaac Kojima Shane†	A Full-Stack Application and Statistical Pipeline to Streamline Proteomics Data Analysis for Enhanced Accuracy and Interpretation
Lyanda-Geller, Olga	7046	Isidore Peter White†	The Language of Stalinist High Politics
Lyanda-Geller, Olga	7061	Tran Nguyet Anh An†	Chekhov's Literal and Cultural Legacy in Viet Nam
Ma, Alex Ruichao	1722	Haoyuan Yang† Ireoluwatomiwa David Salako†	Engineering Topological Edge Modes in One-Dimensional Split Ring Resonator Chain
Ma, Seohee	1332	Ambhranee Yakkundi†	Reconfiguration of the Microtubule Network and Dynamics in Hypoxic Cancer Cells
Machado Ribas, Laura	1118	McKinley Kathryn Underhill†	Validation and Temporal Analysis of Differentially Expressed MicroRNAs in Horse Serum Following Intravenous Lipopolysaccharide Administration
MacInnis, Emilie Mae	1024	Tatum Reese Ebbeskotte†	Partners and paws: couples' perceptions of marital satisfaction and family functioning in military households with a PTSD service dog
MacInnis, Emilie Mae	1434	Bryanne Lauren Garcia† Emma Kay Senter† Tatum Reese Ebbeskotte*	"My dog changed my life": A Qualitative Analysis of the Impacts of Psychological Service Dogs on Sexual Assault Survivors
MacInnis, Emilie Mae	1638	maya holguin† Rachel Catherine Parker†	Psychiatric Service Dog Trained Tasks for Sexual Assault Survivors: Comparing Veterans and Civilians
Magalhaes Cisdeli, Pedro Henrique	1222	Juan Camilo Douglas Bolano†	Automated maize kernel counting using computer vision: A benchmarking study
Mahapatra, Shivam	1332	Ambhranee Yakkundi†	Reconfiguration of the Microtubule Network and Dynamics in Hypoxic Cancer Cells

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Mandal, Purba	7018	Hannah Narelle Mendel†	Proteomic insights into shared and unique mechanisms driving Alzheimer's and Parkinson's disease across cortical regions
Mandrini, German	1647	Jorge Andres Jola Hernandez†	Workflow for the Agricultural Production Systems Simulator (APSIM) Model for Assessing Corn Yield Response to Different Fertilizer Nitrogen Rates
Manikkan, Sreehari	1855	Maurice J Reimer†	Investigating Large Language Model-Based Decision Making for Deep Space Habitat Systems
Mao, Huan wen	1059	Ying-Wei Lin† Kenzo Avery Evans† Eli Bradley Ade† Rex Wu‡ Sabastian Hunter Hamilton‡	Process Development and Characterization of Through-Silicon-Vias (TSVs) Using Photoresist Soft Mask Etching for Advanced Packaging
Mao, Huan wen	1643	Chun-Kang Huang† Uyen Do† Bobby Gu† PO-Tsung Hsu† Eric Younghoon Song† Luke Michael Satchell‡	A High-Selectivity Workflow Using Al2O3 Mask in Bosch Etching for 3D Advanced Packaging
Marete, Caroline Kathure	7060	Rhea Dutta† Joao Pedro Biondo Peres† Oleksandr Sergey Crowell†	Evaluating Community Involvement Efficacy in the Adoption of Airport Noise Mitigation Programs
Marinova, Miroslava Marinova	1618	Geetika Chitturi†	Characterization of Gallium-Doped Zinc Oxide Thin Films for Tailoring Thickness-Dependent ENZ Wavelength and Loss
Marshall, Curtis Earl	1088	Grayson Paul Radtke† Anne Regina Piet† Thatcher Michael Wise† Siddhant Vinay Belgaumkar† Arthur Elliott Gabrilovich‡ Bhavya Sai Vemuri‡ Preethi Munipalle‡	Design and Implementation of Magnetic Shielding in a Low-Voltage Hall-Effect Thruster for Small Satellite Applications
Marshall, Curtis Earl	1423	Caleb James Evans† Harshith Morla† Georgios Giannakis†	Optimization of Nose Cones to Mitigate Sonic Booms
Marshall, Curtis Earl	1617	Harshan Chandrasekar† Mohammad Rayan Shamsi† Javier Francisco Hurtado†	Optimization of Nose Cones to Mitigate Sonic Booms
Marshall, Curtis Earl	1648	Pranav Teja Kalakota† Carmen Aurora Infante Garner† Maxim Ryan Nepochatov† Trey Vu† Katia Marie Bo-Hua Olmstead‡ Gabriela E Aparcana Contreras‡ Pravar Koundinya‡	Environmental Equine Airway Dust
Marshall, Curtis Earl	1850	Arnav Bhatnagar† Noah Wells Painter† Grace Neve Valdez† Evelyn L Young† Marius Nils Christian Albrechtsen‡ Paige Alicia Greenfield‡	Plant Growth in Microgravity
Martin, Heather Nicole	1203	William David Boulton† Kabir Jain† Carina Leigh Jacobson† Nicolas Bustamante†	Higgs Signal Classification with Machine Learning
Martin, Heather Nicole	1444	Raymond Denver Hammonds† Yeochan Youn† Nathan Lee† Hayden Len Ellis†	Monte Carlo Reconstruction Of The Discovery Of The Higgs Boson In The Decay Process

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Martin, Heather Nicole	1465	Matthew Christopher Kim† Shihui You† Gabriel Hammond† Suhani Sunder‡	Identifying the Higgs Boson from CMS Simulated Events
Martin, Heather Nicole	1495	Cadance William Lucas Ormsby† Ethan De-Chuan Wang† Layla Isabelle Shihab†	Training a Deep Neural Network to Identify the Higgs in LHC Run 2 Data
Martin, Heather Nicole	1655	Arushi Kolluru† Misty Chen† August William Mauer†	Reconstructing the Higgs Boson through the Big Data Analysis
Martin, Heather Nicole	1708	Jonathan Maxwell Sutjandra† Andrew Christopher Nilsson† Asrar Ul Haq Asrar Ul Haq†	Higgs Boson vs Background Signal Machine Learning
Martin, Heather Nicole	7075	Dewang Sahay† Kai James Sustersic† Jacob Antony†	Deep Neural Network to Separate the Higgs Boson Signal from Background Noise using Compact Muon Solenoid (CMS) data
Martinez, Carlos J	1498	Nicholas Joseph Ostendorf† Aryan Dayal‡	Development of Janus Particle Microstructures in Polymer Matrices Through Dielectrophoretic Assembly
Martinez, Ramses	1057	Matthew T Lenzmeier†	Wearable Piezoelectric Bone-Conduction Systems for Spatial Directionality and Awareness
Martinez, Ramses	1127	Owen Lee Wise†	Biomimetic Robotic Fish
Martinez, Ramses	1130	Ivanna Isabel Yllahuaman Bonifas† Daniel Kiyoshi Kuratomi‡	From Passive Bandages to Active Healing: Characterizing Magneto-Responsive Elastomers for Disposable Biomedical Actuators
Martinez, Ramses	1292	Tung Gia Pham†	Advancing Semiconductor Workforce Training with Real-Time VR Digital Twins
Mashaollahi, Amirhesam	7065	Vatsal Sanjeevkum Dudhaiya† Jackson Drew Douvas† Isaac Kojima Shane†	A Full-Stack Application and Statistical Pipeline to Streamline Proteomics Data Analysis for Enhanced Accuracy and Interpretation
Matosevic, Sandro	1067	Rachel Marie Miskelly† Khanh Ha Nguyen‡ Pablo Arriagada Turrent*	Genetic Engineering to Target CD9 on NK cells for Glioblastoma Multiforme Immunotherapy
McClymont, Malcolm Lloyd Seib	1301	Elian Inigo Turcal Rieza† Aayuman Ghangurde† Sai Kaushal Sri Viswa Gautham Palaparthi† Rohan Shah†	Hash-based Pseudorandom Number Generator on ASIC
McClymont, Malcolm Lloyd Seib	1416	David James D'Amico† Antariksh Mukherjee† Mahimasai Gajawada† Timothy D H Han†	2x2 Matrix Multiplier
McClymont, Malcolm Lloyd Seib	1454	Edward Zhaolong Hu† Steven Li† Andrew Yu-en Loh† Sim Seyha Ou†	SoCET: PID Controller ASIC Accelerator for an Inverted Pendulum
McClymont, Malcolm Lloyd Seib	1472	Saandiya KPS Mohan† Nikhil Kishore Vaidyanath† Myles Joshua Pristin Querimit† Mixuan Pan†	Atalla - Convolution & Systolic Array
McClymont, Malcolm Lloyd Seib	9045	Michael Daoming Wu† Soumen Pradhan‡ Oscar Surendranath‡ Connor Matthew Lai‡	Matrix Multiplication Accelerator
McKinney, Jason Dwight	1012	Ethan Chieng Chiao† Rohan R Iyer†	Integrated Chirped Bragg Gratings
McKinney, Jason Dwight	1035	Anthony Edward Gurrieri† Brandon Anthony Farber†	Ring Modulator as a Temperature Sensor
McKinney, Jason Dwight	1070	Spencer Andrew Moore† Shashank Varamballi†	Geometric Optimization of Mach-Zehnder Interferometers for Enhanced Photonic Sensor Performance

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McKinney, Jason Dwight	1089	Ethan Julian Ramon† Geetika Chitturi†	Simulation and Optical Characterization of Microring Resonators for Integrated Silicon Photonics
McKinney, Jason Dwight	1722	Haoyuan Yang† Ireoluwatomiwa David Salako†	Engineering Topological Edge Modes in One-Dimensional Split Ring Resonator Chain
McNeese, Hannah Casey	1427	Jonathan Lester Flinn†	Sublethal Impacts of Perfluoroalkyl Substance Mixtures and Parasite Exposure on Gray Treefrog Tadpole (Hyla versicolor) activity.
Mehta, Shubh Parag	7085	Joshua Paik†	Automated Segmentation of Aortic Wall Boundaries in patients with Thoracic Aortic Aneurysms
Mena, Anthony Gabriel	1013	Ian Sung Hin Chiu†	Synthetic Development of Stable 3-Dimensional Frameworks
Mena, Anthony Gabriel	1277	Isabella Anne Marker†	Liquid-Phase Synthesis of Sequence-Defined Peptide Dendrimers via an Iterative Convergent/Divergent Coupling Strategy
Mena, Anthony Gabriel	1426	Aiden Michael Fernandes†	Development of Asymmetric Robust Molecular Cages Using an Imprinter-Based Approach
Mendoza, Ivan	1446	Gracie Rose Harker†	Associations between Parent Verbalizations about Hunger and Fullness and Child Eating in the Absence of Hunger
Mengiste, Tesfaye D	1219	Adeline Bernice Dering†	Evaluation of the Biocontrol Potential of Trichoderma harzianum Against Anthracnose Disease in Sorghum
Mensah, Emmanuel Kweku	1083	Sophia Grace Perevozchikov† David Scott Fernander*	One-Directional Flow Systems for Nutrient Transport in Cultured Meat Scaffolds
Mercado, Jessica M	1123	Austin William Watson†	Protecting the Vulnerable: Ethical AI Monitoring of the Cognitively Impaired
Mercado, Jessica M	1274	Jennifer Ngocan Mai†	Systemic Barriers and Dental Fear: Understanding the Disparities in Oral Care
Mercado, Jessica M	1417	Anthia Amalia Davis†	Neurons Need Nutrition Now!
Mercado, Jessica M	1440	Julia Ann Gorenstein†	Training the Brain to Train the Knee
Mercado, Jessica M	1480	Chloe Christine Louk†	Medical Imaging Artificial Intelligence: How to Ease Patients' Minds
Mercado, Jessica M	1505	Miranda A Ruvalcaba†	A Dissemination of Albumin and Prealbumin Correlation Concerning Nutrition and Inflammation
Mercado, Jessica M	1508	Amanda Schuler†	Birth on Her Terms: Autonomy, Risk, and the Transformation of Hospital Culture Through Midwifery-Led Care
Mercado, Jessica M	1719	Katherine Mae Wenger†	Seeing Green: Targeted Sports Advertisements affecting college students
Meredith, Ashley H	1636	Hannah Cole Hampson†	Adult Immunization Needs and Perceptions Among Patients at a Free Medical Clinic in Indianapolis
Metzger, Brian Patrick Ha	1201	Haven Marie Bader† Abigail Catherine Burris‡	Promoter Replacement of Mismatch Repair Genes Improves Meiotic Recombination and Hybrid Viability in Diverged Saccharomyces Species
Metzger, Brian Patrick Ha	1205	Abigail Catherine Burris† Haven Marie Bader‡	Gene Regulatory Modifications in the Mismatch Repair Pathway Promote Hybrid Viability in Diverse Saccharomyces Species
Metzger, Brian Patrick Ha	1631	Michael David Gardner† Rachel Marie Isaac*	Wee Beasties: The Evolution of Tyrosine Kinase Activity and Chance, Contingency, and Necessity in Evolution
Metzger, Brian Patrick Ha	7006	Rachel Marie Isaac† Michael David Gardner*	Establishing an Automated Pipeline for Multiple Sequence Alignment
Meyers, Brett A	1296	Shreya Shrikrushna Pulujkar† Sounish Ghosh† Andrew Jonathan Savysky† Ying-jen Chen†	Mechanical Behavior Of Subcutaneous Injections and Implications on Injection Site Reactions

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Meyers, Brett A	1439	Clara Marie Anne Goffioul†	Optimizing Deep Learning Models for Enhanced Detection of Subvisible Particles in Pharmaceutical Development
Meyers, Brett A	1613	Zoe Nicole Campagna† Abigail Elisabeth Gansler† Sparsh Bansal†	Development of Feature Set for Autonomous Classification Systems for Subvisible Particles in Biotherapeutics
Meyers, Brett A	1680	Disha Ransingh† Sai Aiswarya Sadagopan† Rishika Ramakrishnan† Jonas Villabroza† Jane Zhao‡	Deep Learning for Enhanced Analysis of Depot Formation and Diffusion in Auto-Injector Devices
Meyers, Brett A	1690	Bella Irma Schaetzle† George Panagos† Myra Rawar Khare† Anas Eyad Rafei†	Optimizing Deep Learning Models for Enhanced Detection of Subvisible Particles in Pharmaceutical Development
Meyers, Stephen Lawrence	9044	Dylan James Whitlow†	Effect of Silage Tarps on Early-Season Weed Control in Potato
Michalski, Greg M	1803	Stamatia Eleni Katsaros† Jasmine Alayna Luckett*	Formation of Mars-like soils in southern Peru's hyper arid Atacama Desert
Milisavljevic, Danny	1093	Francisco Alejandro Ruiz† Jason Timothy Emsley† Jay Philip Gannam† Chawin Mingsuwan†	Identification of Tidal Disruption Events from the Zwicky Transient Facility
Milisavljevic, Danny	1213	Erika Chiommino† Anya Kanagala† Nicola Jirina Ferrante† Ananya Molugu† Ishaan Avinash Limaye‡	Measuring the Effectiveness of Follow-up Observations by the Las Cumbres Observatory in Constraining Explosion Physics of Transients
Milisavljevic, Danny	1260	Kaira Wing Kwong† Alexandra Madison Chrostowski† Brian Jeffrey Young† Srinidhi Sivakumar†	Exploring the Physics of Type Ic Supernovae through Statistical Light Curve Modeling
Milisavljevic, Danny	7123	Madeline G Taylor†	Variable Emission in JWST Observations of the Supernova Remnant Cassiopeia A Reveal Light Echoes and Ejecta Flickering
Miller, Evan Lee	1468	Joshua David Klug† Michael Lee† Navya Harini Datla†	Optimizing Instruction Scheduling with a VLIW Processor Design
Miller, Monica	1200	Alton Jeffrey Adams†	Evaluation of the Heart Failure Rapid Uptitration Clinic at Barts Health in London, England
Miller, Monica	1231	Emery Elizabeth Frey†	Lipid-Lowering Effects of Inclisiran in Different Demographic Subgroups
Miller, Monica	7119	Mia M Yates†	Habitual Refused Doses of Enoxaparin
Miller, Monica	9009	Madison Marie Detzer†	Pre-Assessment Clinic Service Audit
Miller, Monica	9017	SeoJeong Kim†	Evaluation of Therapeutic Drug Monitoring in Adult Critical Care Units (ACCUs) at St Bartholomew's Hospital, London UK
Mirfarah, Motahareh	1855	Maurice J Reimer†	Investigating Large Language Model-Based Decision Making for Deep Space Habitat Systems
Mitra, Harsa	1008	Alexander Carnevale† Gabriel Scott Shifflett† Nikitha S Kambi† Manas Kathuria†	Modeling Fluidic System to Comprehend Drug Transport in the Maternal-Fetal Membrane
Mitra, Harsa	7034	Rhea Rakhra† Clayton Drook† Lourd Saba AbuHadid† Aakash Sanjay‡ Sanika Sudhir Bane‡	Physical Modeling Placental Transfer of Small Molecule Drugs

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Mitra, Harsa	7051	Aakash Sanjay† Sanika Sudhir Bane† Rhea Rakhra‡ Clayton Drook‡ Lourd Saba AbuHadid‡	Physical Modeling Placental Transfer of Small Molecule Drugs
Moding, Kameron	1446	Gracie Rose Harker†	Associations between Parent Verbalizations about Hunger and Fullness and Child Eating in the Absence of Hunger
Mohammad, Sana Anum	7014	Colin Francis Kelly†	Utilizing Histological Technique Approach to Tomato Species Under Ralstonia solanacearum
Mohammadi, Saeed	1059	Ying-Wei Lin† Kenzo Avery Evans† Eli Bradley Ade† Rex Wu‡ Sabastian Hunter Hamilton‡	Process Development and Characterization of Through-Silicon-Vias (TSVs) Using Photoresist Soft Mask Etching for Advanced Packaging
Mohammadi, Saeed	1643	Chun-Kang Huang† Uyen Do† Bobby Gu† PO-Tsung Hsu† Eric Younghoon Song† Luke Michael Satchell‡	A High-Selectivity Workflow Using Al2O3 Mask in Bosch Etching for 3D Advanced Packaging
Mohammadi, Saeed	7102	Anusha Gambheera† Orion Kai Larson† Tim Jacques van Antwerpen† Saloni Pothireddy† Evanjaline Sherl Sahaya Rajesh Durai‡	Physical Vapor Deposition (PVD) for Through-Silicon Via (TSV) Fabrication
Mohammadi, Saeed	7118	Tobias Mikael Cars† Aaron Fernandes† Chase John Grimm† Romy Kim†	Process Development and Characterization of Through-Silicon-Vias (TSVs) for 3D Advanced Packaging
Mohammed Moursy, Abdulrahman Arafat	1671	Felicia Jesutofunmi Onawola†	Design and synthesis of selective Delta Opioid Receptor agonists
Mondul, Jane Ann	1534	Katelyn Rosalie- Elise Wilcox†	Frequency-Specific Mapping of Dopamine Expression in the Lateral Olivocochlear System Following Sound Exposure
Montalvo, Francisco J	1665	Shay Joseph Manor† Millan Shah Kumar†	3D Gaussian Splatting for Autonomous Racing Localization and Simulation
Moore, Alyssa Marie	7022	Erik Robert Sveen†	Efficient and Cost-Effective Enzyme Deposition onto Tissues for Mass Spectrometry Imaging of N-Glycans using a Mini-Humidifier
Moore, David Matthew	1201	Haven Marie Bader† Abigail Catherine Burris‡	Promoter Replacement of Mismatch Repair Genes Improves Meiotic Recombination and Hybrid Viability in Diverged Saccharomyces Species
Moore, David Matthew	1205	Abigail Catherine Burris† Haven Marie Bader‡	Gene Regulatory Modifications in the Mismatch Repair Pathway Promote Hybrid Viability in Diverse Saccharomyces Species
Morgan, John A	7049	Emily Lucille Richardson†	Characterizing Glycogen Metabolism in Cyanobacteria During Light-Dark Cycles
Morphew, Jason Wade	1042	Zhengyi Jiang†	Advancing Gesture-Based Instructional Videos for Statistical Learning: From Design to Experimental Testing
Moser, Madeline Elise	7017	Jasmine Xiu Cai† Arshia Ganesh† Prisha Nitin Shethia†	Scoping Review of Resilience Strategies to Mitigate Burnout for Social Service Providers
Muner, Kerstin	1118	McKinley Kathryn Underhill†	Validation and Temporal Analysis of Differentially Expressed MicroRNAs in Horse Serum Following Intravenous Lipopolysaccharide Administration

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Murray, Renee	1430	Marisa Jean Fredrickson† Nathan Tian-Lin Wan† Eliana Elise Roeder† Somya Sakalle† Christina Lee‡ Sebastian Sea-Tian Ting‡ Devashree Parambath‡ Sooji Lee‡ Sahil Jain‡ arunima chowdhury* Arnav Daryani* Natalia Cadence Hombs* Aryan Kaul* Amber Kuoiwa Khauv* Mert Ryan Kiroglu* Hai Lam Le* Ryan Patrick Leonard* Michael Ming Li* Hridhay Monangi* Abhik Mullick* Rishi Mantri* Pratham Jigneshbha Patel* Shamsad Rahman* Dean Snyder* Sophia Elizabeth Steele* Roohee Esha Urs* Sami Nasser Zagha* Taryn Celia Zakrzewski*	Machine Learning in Motion
Nanda, Gaurav	1700	Diya Singh†	AI-Based Walkability Ecosystem: A Personalized, Social and Adaptive Solution to Urban Mobility and Public Health
Nareddula, Sanghamitra	7092	Sein Kim†	Frequency dependent visual memory encoding in V1 neuronal ensembles of TRAP2 mice
Natu, Amogh Gajanan	1029	Antoine Matis Fradet†	Characterization of liquid sprays in a micro injector
Nelson, Cole Aaron	1099	Katelyn Krishan Shah† Arina Harlanovich† Kameswari Mantha† Andy Hanjun Hu* Nicha Muninnimit*	Memory Controller Integration on a RISC-V SoC
Nelson, Cole Aaron	1429	Mary Francis† Oluwatomiwa Imosenomen Akintunde† Jai Anand Keskar† Zhenghao Xu† Akhil G Yada†	A Synthesizable AMBA AXI Bus for SoCET SoCs: Design and Verification
Nelson, Cole Aaron	1654	Eileen Koh† Amber Kuoiwa Khauv†	Firmware Tests and Integration for Multicore RISC-V SoC
Nelson, Cole Aaron	7012	Aishwarya Saikrupa Anand† Seongjoong Yim†	Heterogenous Multicore Extension and Benchmarking
Nelson, Cole Aaron	7016	Jeremy Jingrui Mao† Duc Minh Son Nguyen† Chris Jun Park† Taviish Bothra†	Real-Time 1-D Self-Balancing Control System on RISC-V AFTx07 Platform
Nelson, Cole Aaron	7050	Andy Hanjun Hu† Jash Snehal Pola† Anna Z Dalton† Fatma Mohamed Ahmed Youssef Alagroudy* Yara Ahmed Mohamed Abbas*	I2C Integration and Validation on a RISC-V SoC

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Nelson, Cole Aaron	9010	Matthew Du† Daniel Paul Wunderlich‡	Design and Implementation of Hardware Performance Monitors for RISC-V Processors with Selective Counter Management
Nelson, Cole Aaron	9013	Jeremy Logan Hakimi† Jared Marc Settler† Levi J Thompson† Raghuv Potdar† Lucas Michael Mallen‡	Implementation of a Floating Point Unit for a RISC-V SoC
Nelson, Cole Aaron	9018	Seungho Lee† Seongbin Lee† Hojun Choi† Daeun Kim†	OS Development with the AFTx07+
Newell, Brittany A	7086	Alexander T Valdes† Andrew Joseph Shelley† Steven James Van Hulle† Margulan Mukhametkarim† Chengming Wu‡ Jacob Charles Long‡ William David Bridgnell‡	NSWC AIMM ICC Autonomous Boating Challenge
Nie, Linda	1049	Anna G. Klupshas†	Manganese (Mn) doped bone equivalent phantoms for in vivo neutron activation analysis
Nieforth, Leanne	1024	Tatum Reese Ebbeskotte†	Partners and paws: couples' perceptions of marital satisfaction and family functioning in military households with a PTSD service dog
Nieforth, Leanne	1434	Bryanne Lauren Garcia† Emma Kay Senter† Tatum Reese Ebbeskotte*	“My dog changed my life”: A Qualitative Analysis of the Impacts of Psychological Service Dogs on Sexual Assault Survivors
Nieforth, Leanne	1638	maya holguin† Rachel Catherine Parker†	Psychiatric Service Dog Trained Tasks for Sexual Assault Survivors: Comparing Veterans and Civilians
Nielsen, Jeffery J H	1115	Eleanor Elizabeth Thompson† Ria Singh† Payton Scott Baker† pragnya athri* Caisong Deng*	Bispecific Antigenic Immuno-Therapy (BAiT) for Preclinical Evaluation in Hypoxic Melanoma
Nocito, Helen Angelina	9044	Dylan James Whitlow†	Effect of Silage Tarps on Early-Season Weed Control in Potato
Noinaj, Nicholas	7007	Karthik Varigonda†	Structural Analysis and Targeting of BamA in A. baumanii with a Stapled Peptide for Novel Therapeutic Development
Ocegueda Barraza, Jose Alfredo	1057	Matthew T Lenzmeier†	Wearable Piezoelectric Bone-Conduction Systems for Spatial Directionality and Awareness
Ocegueda Barraza, Jose Alfredo	1127	Owen Lee Wise†	Biomimetic Robotic Fish
Odari, Eddy Okoth	1801	Kellyn Susan Bucceri† Hannah Grace Schroeder†	The Infrastructure of Healthcare in Rural Kenya and the Effects on HIV/AIDS Control, Prevention, and Treatment
Ogg, James G	1604	Samyukta Balaji† Ellis Reuben Selznick† Ekaterina Tszyao† Behruz Izbaev†	Complete Online Database of Invertebrate Fossil Genera
Ogg, James G	1693	Ellis Reuben Selznick† Congtian Wu† Samyukta Balaji† Yuanfei Song†	Timescale Creator Online
Ospina Larrea, Ana Maria	1699	Jabez Soongeui Shin† Stiwar Albeiro Catano Cardeno‡	Effects of artificial light at night and traffic noise on tadpole development and physiology

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Otto, Kevin John	7015	Aidan Hirsch†	Unsupervised Clustering of Electrochemical Impedance Model Parameters in Ultramicroelectrode Arrays
Ozlu, Mustafa Goksu	1618	Geetika Chitturi†	Characterization of Gallium-Doped Zinc Oxide Thin Films for Tailoring Thickness-Dependent ENZ Wavelength and Loss
Paccagnan, Giacomo	1436	Catherine Renee Gemrich†	Proposed FluidFM-compatible Platform for Single Hyphae Studies
Pammi, Rishabh	1418	Francisco Javier De La Victoria Vazquez† Luis Manuel Alvarez Casillas‡	Evaluation of Thermoplastic Composite Rivets for Single-Lap Joints: Comparison with Induction and Hybrid Joining Methods
Pammi, Rishabh	1602	Luis Manuel Alvarez Casillas† Francisco Javier De La Victoria Vazquez‡	Characterization of Kerf Angle Zones in Abrasive Waterjet Machining of Composite Laminates
Park, Jae Hong	7089	Shane Kevin Limas†	Simulation of Particle Deposition from Manual Metal Arc Welding Fumes in the Human Respiratory Tract Using the Multiple-Path Particle Dosimetry (MPPD) Model
Park, Keun Jun	1075	Kaitlin Rose Otto† Emeline Marie Papp† Ty Emerson Schafer† Caleb Zachariah Brunton† Joshua Petzer‡ Viswanath Jay Nair‡	Improving Parts Order Accuracy Through Production Data Analysis
Park, Tae Hong	1318	Irem Ucar† Santosh Ramesh† Ryce Pi† Zhengyi Jiang†	ound Sensor Networks and Sub/Urban Health: A Transdisciplinary Approach Using the Purdue Campuses as a Living Lab
Park, Tae Hong	1501	Sophia Victoria Pimentel†	Intelligent Acoustic Sensing and Soundscape Modeling at Purdue
Park, Tae Hong	1649	Kurt Andrew Khaustov† Harshitha Pathania† Sophia Victoria Pimentel† Irem Ucar† Linda Ronglin Xu‡ Santosh Ramesh‡ Zhengyi Jiang‡ Elian Inigo Turcal Rieza‡ Nathan Sing Lee‡ Ryce Pi‡ Atandrila Chowdhury‡ Felipe Saavedra Cardona‡	Sound Sensor Networks and Sub/Urban Health: A Transdisciplinary Approach Using the Purdue Campuses as a Living Lab
Park, Yirang	7110	Alan S Yi† Daniel Anoruo‡	QUAFFLE: Quantum U -Net Assisted Federated Flood Learning and Estimation
Parkinson, Elizabeth I	1204	Manuela Maria Buitrago Cardenas†	Optimization of Peptides Active Against Balamuthia mandrillaris
Patankar, Manoj S	7128	Ronan Edward Lang† Avarey Newman* Joshua James Jackson* Caleb Bierdeman Probst*	Developing Experiential Learning for Aviation Maintenance Technicians
Pearce, Ben K D	1303	Arunima Saha† Gretchen K Minich‡	Investigating Microbial Motility as a Potential Agnostic Biosignature: Cell Shrinking and Expanding
Pearce, Ben K D	7038	Gretchen K Minich†	Potential of Microbial Movement as Agnostic Biosignatures
Peng, Huiyun	7031	Arjun Sandeep Gupte† Stefan Teodor Maxim† Christopher Timothy Chan† Ananya Jajoo†	Large Language Models are Software System Optimizers
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Pires dos Santos, Andrea	1118	McKinley Kathryn Underhill†	Validation and Temporal Analysis of Differentially Expressed MicroRNAs in Horse Serum Following Intravenous Lipopolysaccharide Administration
Pol, Vilas G	1311	Mehul Shelke†	Evaluating Sodium-Ion Pouch Cells for Renewable Energy Storage in Extreme Cold Environments
Polin, Abigail	7125	Owen T Odney†	The Mother of all Bones: A Case Study of the Calcium-Rich Transient SN 2023xwi
Poudyal, Shishir	1028	Colton Joseph Forrest†	Generation of Chimeric Platforms for the Structural Study of HCV Envelope Glycoproteins
Prissel, Kelsey	1066	Walker Andrew Millhoff† Isabella Grace Shockley*	Mapping and Classification of Boulders in the South Pole-Aitken Basin
Prissel, Kelsey	1102	Isabella Grace Shockley† Walker Andrew Millhoff* Kylee Rene Dodd*	Planning safer routes for a future rover on the Moon by integrating radar-based surface roughness with slope maps
Pujari, Anurag Rajendra	1806	Isabella Virginia Levine†	Isolation and Characterization of Arthobacter phage LetsGoKnicks from West Lafayette, IN
Pujari, Anurag Rajendra	7127	Olivia Madison Krzyzanowski† Natalie George Khazal† Adriana K Sanchez†	Comparison of Environmentally Collected Bacteriophages
Pundith, Vinay	1472	Saandiya KPS Mohan† Nikhil Kishore Vaidyanath† Myles Joshua Pristin Querimit† Mixuan Pan†	Atalla - Convolution & Systolic Array
Pushkar, Yulia N	1404	Vladimir D Bondar†	X-Ray Fluorescence Imaging of Mouse Brain Metal Distributions for TMEM 163 Knock Out Analysis
Qu, Feng	1092	Evelyn Rose Renninger† Hayden Schneider‡ Peyton E Tanoury‡ Bryn Regan Cook‡	Development of LENN for Targeted Nucleic Acid Therapeutics
Radhakrishnan, Anukrishna	7052	Dhriti Manish Laddha†	Iron Nanoparticle and Radiation-Induced DNA Damage with Intracellular Calcium Quenching in Triple Negative Breast Cancer (TNBC)
Raghavan, Siddeshwar	1047	Simarleen Kaur† Arnav Chandra Singh‡ Kriti Kishan Nandakumar‡ Sannidhi Agarwal‡ Aahana Dahiya‡	Boiler Dining Image and Evaluation Tracker (DIET)
Raghavan, Siddeshwar	1068	Sarah Mohapatra† Dylan D Patel† Sai Maanasa Gogula† Yubeen Oh‡ Tanishq Praveen Pauskar‡ Max Ben-Azai Kirschner‡	VIP AI4DR: Disaster Tweet Classification Using Machine Learning for Real-Time Relief Efforts
Raghavan, Siddeshwar	1105	Arnav Chandra Singh† Kriti Kishan Nandakumar† Aahana Dahiya† Sannidhi Agarwal† Simarleen Kaur‡	Boiler Dining Image and Evaluation Tracker (DIET)
Raghavan, Siddeshwar	1288	Yubeen Oh† Tanishq Praveen Pauskar† Max Ben-Azai Kirschner† Sarah Mohapatra‡ Dylan D Patel‡ Sai Maanasa Gogula‡	VIP AI4DR: Disaster Tweet Classification Using Machine Learning for Real-Time Relief Efforts

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Raghavan, Siddeshwar	1402	Joshua John Beigel† Julia Kang† Logan Michael Fossum†	VIP - AI4DR: AI Use in Disaster Response Image Classification
Raghavan, Siddeshwar	7084	Dave Vishalkumar Patel† Divyansh Pramanick† Nived Ambadipudi† Anish R Devulapalli†	Online Pedestrian Annotation Tool
Raghunathan, Anand	1472	Saandiya KPS Mohan† Nikhil Kishore Vaidyanath† Myles Joshua Pristin Querimit† Mixuan Pan†	Atalla - Convolution & Systolic Array
Rajpoot, Jitika	1090	Sreeja Sai Rao†	Investigating Lipid Droplet Accumulation in iPSC-Derived Microglia
Rajpoot, Jitika	1529	Diya None Vishwakarma†	Generation of Microglial iPSCs and Gene Expression
Rakshit, Joydeep	1092	Evelyn Rose Renninger† Hayden Schneider‡ Peyton E Tanoury‡ Bryn Regan Cook‡	Development of LENN for Targeted Nucleic Acid Therapeutics
Ramirez, Ernesto	1065	Allison Paige Vick Miller† Emily Courtney Chan† Josi Laura Gallo‡ Grace Enpei Chen‡ Luke Thomas Benner‡ Brhandom Jeishryel Brisueno Lopez‡	Hotfoot: Effects of Combined Foot Heating and Compression for Type 2 Diabetes
Ramirez, Sean Sebastian	1694	Franklin Shang† Jack Thomas Willard† Ekam Bhullar† Tanvi Chukka† Xinyu Liu‡ Eric H Chang‡ Nurdaulet Aba‡	Towards a 3D Finite Element Method Harmonic Balance Simulator for Superconducting Traveling-Wave Parametric Amplifiers
Ramshanker, Abinands	1725	Mingrui Yuan† Mohamed Aboelyazed† Qi Zhang†	Global Circuit Solutions: Interconnects
Ramshanker, Abinands	9014	Seongwon Hong† Raghav Srivaths† Aniketh Bhaskar Bandi†	Scan DFT Implementation in Both Tapeoutable and Untapeoutable PDKs
Ranganathan, Pooja	7011	Abhaya Sundar†	Voltage-Dependent Degradation Mechanisms in Layered Sodium-Ion Battery Cathodes
Ravikiran, Akshath Raghav	1242	Julio Hernandez† Rafael Monteiro Martins Pinheiro† Haejune Kwon† Nicha Muninnimit* Duc Pham Minh*	AI Hardware Scratchpad
Reega, Sarah Jean	1024	Tatum Reese Ebbeskotte†	Partners and paws: couples' perceptions of marital satisfaction and family functioning in military households with a PTSD service dog
Reega, Sarah Jean	1434	Bryanne Lauren Garcia† Emma Kay Senter† Tatum Reese Ebbeskotte*	“My dog changed my life”: A Qualitative Analysis of the Impacts of Psychological Service Dogs on Sexual Assault Survivors
Reega, Sarah Jean	1638	maya holguin† Rachel Catherine Parker†	Psychiatric Service Dog Trained Tasks for Sexual Assault Survivors: Comparing Veterans and Civilians
Reese, Timothy G	1267	Junhee Lim†	AutoHoops: A Human-in-the-Loop System for Accelerated Spatio-Temporal Annotation of Athletic Motion
Reibman, Amy R	1071	Prisha Grace Mungara† Medhashree Parhy† Rakshit Pradhan† Sumedha Saravanakumar†	Benchmarking Motion Estimators on Single-Camera Cow Footage

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Rice, Christopher Aaron	1016	Daniel Russell Cline†	In Vitro Activity of Repurposed Drugs Against Different Acanthamoeba Strains
Rice, Christopher Aaron	1709	Jeeya Vijay Thukral†	Thermotolerance Testing for N. Fowleri Amoeba (Nf69)
Richards, Elizabeth A	1700	Diya Singh†	AI-Based Walkability Ecosystem: A Personalized, Social and Adaptive Solution to Urban Mobility and Public Health
Ringenberg, Tatiana	7042	donna Prince†	Use of Ephemeral Messages in Online Transactions
Rittner, Ryan David	1666	Saahil Mathur† Ruth Tanjung Sugiarto* vedant Thakur* Seunghyun Yoo*	Factually Grounded and Human-Aligned RAG Systems for AI Governance and Policy
Ro, Bohyun	1432	Josi Laura Gallo† Grace Enpei Chen† Allison Paige Vick Miller‡ Emily Courtney Chan‡ Luke Thomas Benner‡ Brhandom Jeishryel Brisueno Lopez‡	Skin blood flow response to local heating across control, type 2 diabetic, and peripheral artery disease conditions
Robinson, Morgan Jefferies	1686	Karen Vanessa Salazar Salazar† Evangelina Sarah Kalathoti* Katherine Margaret Stockhausen*	Modeling DNMT1-associated neurodegeneration using human stem cell–derived cortical organoids.
Rodriguez, Natalia Maria	1073	Jessica Chinyeaka Nwokeji† Sarah Adeline Jolley†	Evaluating the Impact of Community Health Worker-Led Education on the Cervical Cancer Knowledge and Attitudes Seen in People Experiencing Homelessness
Roge, Erica Ryann	7114	Nina Kay Wilson†	In Ovo their heads: Can behavioral and physiological stress responses from heat stress be replicated without a parental component in Pekin ducks?
Rogers, Abigail Keelin	7096	Mateus Rocha Ripari† Paula Natalia Natalia Paez Monroy‡	Determining the Functional Domains of a Ralstonia solanacearum Type III Effector
Rolfe, John William	1006	Kai Broben Fassino† Ashton Gligich† Owen Michael Palmer‡ Marcus Lau‡ Kevin John Resh‡	Payload Release Mechanism For UAS (Purdue Aerial Robotics Team)
Rolfe, John William	1257	Joseph Timothy Kritenbrink† Anderson Anousit Varner†	Design and Optimization of Bidirectional Air–Ground Communication Architecture for Long-Range Data Transmission
Rolfe, John William	1289	Ali Ayman Moha Omar† Abdulrahman Mohamed Abougendia† Salaheldin Elsayed Ibrahim AbdelMoaty† Zeyad Mohamed Al Elshafey†	Perception-Driven Autonomous Navigation for Low Altitude Aircraft
Rose, Nathan Tyler	1443	Lauren Elizabeth Grose†	Drivers of Cropland-Atmosphere CO2 Exchange in U.S. Midwest Corn and Soybean Agroecosystems
Rosell, Carla B	1017	Varda Vongai Coleman†	Effect of Confederate Monuments on Public Spaces
Rosell, Carla B	1027	Lukas Ryan Fisher†	Self-healing concrete
Rosell, Carla B	1033	Adriana Isabel Garcia†	Rebuilding trust in science: Effective strategies to combat vaccine-hesitancy.
Rosell, Carla B	1039	Gary Huang†	US Hypersonic Weapons Policy and Appropriate Responses
Rosell, Carla B	1056	Ruogu Lei†	Exploring the Possibilities of Artificial Intelligence in Modern Airliner Piloting Systems

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Rosell, Carla B	1097	Samin Sanjana†	"Do You Love Me, ChatGPT?"—The Digital Age of AI Intimacy and Teenage Addiction
Rosell, Carla B	1126	Alivia Keler Whitney†	Assessing Mental Health Safeguards in U.S. Physician-Assisted Suicide
Rosell, Carla B	1245	Eric Hou†	Evaluating the Viability of Biomethane as a Renewable Energy Source in the Global Energy Transition
Rosell, Carla B	1252	Vishnu Ramaraju Kalidindi†	Side effects of weight loss products, on the cardiovascular system
Rosell, Carla B	1253	Vigneshvaran Karthikeyan†	Long term effects of Creatine on Adolescents
Rosell, Carla B	1312	Sofiia Shyshkovtsova†	The Long-Term Climate Case for Cultivated Meat
Rosell, Carla B	1319	Mara Valentina Ugaz Angeles†	Examining how shifting beliefs and economic factors are reshaping family expectations
Rosell, Carla B	1321	Hannah Celine Wade†	Grounds for Doubt: Why Coffee Should Not Be Marketed as a Preventative for Parkinson
Rosell, Carla B	1433	Malhar Saurabh Gandhe†	Assessing Cryptocurrency Payments for Small and Medium Sized Enterprises
Rosell, Carla B	1478	Andruw Kuang-Le Lin†	Liability and Legal Aspects of Self-Driving Vehicles
Rosell, Carla B	1524	Sanjna Aravinda Suresh†	Interdisciplinary Shortcomings in ASD Assessment
Rosell, Carla B	1609	Sophia Elaine Breedlove†	Birth Control for Teens: Positive or Negative?
Rosell, Carla B	1630	Rohan Mihir Gandhi†	Skiing Toward Sustainability: Examining Snowmaking and Climate Adaptation Practices
Rosell, Carla B	1634	Stefanie Anne Giurcanu†	The Role of Insurance Companies in Health Care
Rosell, Carla B	1669	Haari Muthukumar†	Environmental Impact of CryptoMining
Rosell, Carla B	1681	David Alexander Ransom†	Color and Coverage: A study into Autism Spectrum Disorder Diagnosis Disparities for Children of Color
Rosell, Carla B	1711	Miles Alexander Travis†	Effective Methodology for Great Pacific Garbage Patch Clean Up
Rosell, Carla B	1724	Rinyoung Yoo†	AI on Trials: Balancing Ethics and Technology
Roth, Thomas Edgar	1694	Franklin Shang† Jack Thomas Willard† Ekam Bhullar† Tanvi Chukka† Xinyu Liu‡ Eric H Chang‡ Nurdaulet Aba‡	Towards a 3D Finite Element Method Harmonic Balance Simulator for Superconducting Traveling-Wave Parametric Amplifiers
Rouhani, Seyedehmarzieh	1014	Chao Min Chung† Thomas Allen Greer† Erik Kocinare† Emma Lynn Stump‡ Mohamed Mostafa Hassan‡	An In-depth Look at Phase Locked Loop
Rouhani, Seyedehmarzieh	1034	Thomas Allen Greer† Chao Min Chung† Erik Kocinare† Emma Lynn Stump‡ Mohamed Mostafa Hassan‡	An In-depth Look at High-Speed High-Accuracy Pipelined ADCs
Rouhani, Seyedehmarzieh	1109	Emma Lynn Stump† Mohamed Mostafa Hassan† Thomas Allen Greer‡ Chao Min Chung‡ Erik Kocinare‡	Low Dropout Regulator for AFTx07
Rouhani, Seyedehmarzieh	1295	Arthur Prudius†	The Design of Auxiliary Blocks in Support of a Undergraduate-Led Die-to-Die Chiplet Interconnect

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Rouhani, Seyedehmarzieh	1723	Jhih-Chen Yang† Bo-Wei Hsieh†	Transmitter
Rouhani, Seyedehmarzieh	7033	Dong Wang† Tzu Huan Chang†	Design and Simulation of a 4 Gbit/s Receiver analog front end for Chiplet Die-to-Die Interconnects
Rouhani, Seyedehmarzieh	9043	Henan Wang†	Design and Characterization of a Precision Bandgap Voltage Reference for CMOS Analog Systems
Rounds, Ace	7109	Sydney Metz† James Thomas Pittard† Mason Patrick Julius Levere†	Automation Methods For Gamma Ray Spectroscopy and Data Analysis
Rubaii, Kali	7003	Adrian Reid Walker†	The Costs of Closure: Precarity and Structural Violence of Humanitarian Aid in Jordan
Rudo, Megan Amy	1470	Taran Sid Koduri† Berra Ulku Kalci† Angel Francisco Castillo Aldaco‡	Design Improvements and System Integration of a Timber Frame Construction Robot
Ruiter, David Alan	1444	Raymond Denver Hammonds† Yeochan Youn† Nathan Lee† Hayden Len Ellis†	Monte Carlo Reconstruction Of The Discovery Of The Higgs Boson In The Decay Process
Ruiter, David Alan	1465	Matthew Christopher Kim† Shihui You† Gabriel Hammond† Suhani Sunder‡	Identifying the Higgs Boson from CMS Simulated Events
Ruiz, Yumary	7017	Jasmine Xiu Cai† Arshia Ganesh† Prisha Nitin Shethia†	Scoping Review of Resilience Strategies to Mitigate Burnout for Social Service Providers
Rutigliani, Giorgia	1051	Norah Riley Kopolow† Yara Zaidoun Hijaz† Lea Camille Vojslavek†	Optimization of In Vitro Fecal Fermentation
Ryu, Dogyu	9010	Matthew Du† Daniel Paul Wunderlich‡	Design and Implementation of Hardware Performance Monitors for RISC-V Processors with Selective Counter Management
Salamanca Mora, Nicolle Julieth	9044	Dylan James Whitlow†	Effect of Silage Tarps on Early-Season Weed Control in Potato
Samadpour Samarin, Farshad	1273	Harshini Madhusudhanan† Clara Cecilia de Groot† Fanyang Meng† Connor David Watson†	Data-Driven Prediction of Residual Stress in Laser-Based Additive Manufacturing Using XGBoost
Samadpour Samarin, Farshad	1697	Shlok Ashish Sheth† Anisha Bhargava† Ishan D Junnarkar† Youngeun Kwon†	Data-Driven Prediction of Residual Stress in Laser-Based Additive Manufacturing Using XGBoost
Samanta, Nilanjan	7087	Madelyn Clair Watson†	Experimental Validation of Fatty Acid Synthesis Pathway to Produce Biodegradable Plastic Monomer
Samuel, Aamod George	1415	Alexander Jonathan Collins† Jason Wu† Evan Ryan Ware†	Family Systems and Task Distribution: Exploring Digital Solutions to Enhance Household Collaboration
Sankaranarayanan, Karthik	1516	Ethan Zachary Shatz†	Expression and Purification of Polyketide Synthases
Sankaranarayanan, Karthik	7001	Molly Ann Shean†	Polyketide Specific Computationally Assisted Synthesis Planning
Sankaranarayanan, Karthik	7040	Danny Andre Thornewell†	Advances in Monte Carlo Tree Search for Multi-Step Enzymatic Synthesis Planning
Sankaranarayanan, Karthik	7087	Madelyn Clair Watson†	Experimental Validation of Fatty Acid Synthesis Pathway to Produce Biodegradable Plastic Monomer

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Santiago Vargas, Alex David	1452	Carson Scott Horner†	Automated Radio Evaluation Suite: Modular Architecture for PA and Antenna Testing
Santiago Vargas, Alex David	7047	Jack Thomas Willard†	Design of Electrically Small Dielectric Resonator Antennas
Sarker, Shudeepta	1803	Stamatia Eleni Katsaros† Jasmine Alayna Luckett*	Formation of Mars-like soils in southern Peru's hyper arid Atacama Desert
Scarfo, Jack	1458	Tanya Jain† Jia Varshney† Chengxuan Li† Grace Katherine O'Hara‡ Julia Madison Dolpies‡ Drew Raymond Hawley‡	VIP EdTechDev: Developing an Accessible Physical Computing Course
Scarpelli, Matthew Louis	1046	Pia Kapur†	Evidence of Possible Bystander Effects after Grid Radiation Therapy in Vitro
Scarpelli, Matthew Louis	7052	Dhriti Manish Laddha†	Iron Nanoparticle and Radiation-Induced DNA Damage with Intracellular Calcium Quenching in Triple Negative Breast Cancer (TNBC)
Schafer, Charles	7126	Jessica Marie Cyr†	Characterization of river discharge and interaction with shallow groundwater aquifers along the Wabash River using seismological methods
Schellhase, Ellen M	1200	Alton Jeffrey Adams†	Evaluation of the Heart Failure Rapid Uptitration Clinic at Barts Health in London, England
Schellhase, Ellen M	1231	Emery Elizabeth Frey†	Lipid-Lowering Effects of Inclisiran in Different Demographic Subgroups
Schellhase, Ellen M	7119	Mia M Yates†	Habitual Refused Doses of Enoxaparin
Schellhase, Ellen M	9009	Madison Marie Detzer†	Pre-Assessment Clinic Service Audit
Schellhase, Ellen M	9017	SeoJeong Kim†	Evaluation of Therapeutic Drug Monitoring in Adult Critical Care Units (ACCUs) at St Bartholomew's Hospital, London UK
Schlabach, Andrew Lee	1082	Tarakanath Peddi† Aman Katyal† Shawn Chang† Aarsh Nishant Dave‡	Parameterizable Universal Verification Methodology testbench for Floating Point Unit Module
Schmidt, Gudrun	1314	Pim Rae Tee† Ryan Iden Deldar†	Reproducibility of Some Adhesion Strength Data for a Zein Tannic Acid Glue
Schneebeli, Severin Thomas	1013	Ian Sung Hin Chiu†	Synthetic Development of Stable 3-Dimensional Frameworks
Schneebeli, Severin Thomas	1277	Isabella Anne Marker†	Liquid-Phase Synthesis of Sequence-Defined Peptide Dendrimers via an Iterative Convergent/Divergent Coupling Strategy
Schneebeli, Severin Thomas	1426	Aiden Michael Fernandes†	Development of Asymmetric Robust Molecular Cages Using an Imprinter-Based Approach
Schober, Jenna M	1255	Alice Soyeon Kim†	Quacky vision: Pekin ducks display preference for red LED compared to blue LED lighting systems
Schober, Jenna M	7114	Nina Kay Wilson†	In Ovo their heads: Can behavioral and physiological stress responses from heat stress be replicated without a parental component in Pekin ducks?
Schultz, Kelly	1304	Aneesh Sathaye†	Magnetic Active-MPT for Yield Stress Quantification in PEG-Based Hydrogels
Sealy, Michael P	1083	Sophia Grace Perevozchikov† David Scott Fernander*	One-Directional Flow Systems for Nutrient Transport in Cultured Meat Scaffolds
Sealy, Michael P	1100	Mirza Orunav Shahper†	Light and Layers: art in additive manufacturing
Sealy, Michael P	1421	Quintin David Dumouchelle†	Acoustic Levitation for Additive Manufacturing
Seetharaman, Sivaranjani	1313	Shaantanu Sriram† Sebin Ahn† Aayushi Sahgal† Sebastian Bohrt†	VIP Operations Research - Price Forecasting for EV Charging

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Seetharaman, Sivaranjani	7000	Zephan Jacob Thomas† Nakul Sreekanth† Shrish Senthilkumar† Alexander L Piet† Harshavi P Birla‡	Operations Research Solutions: Optimizing Pricing for EV Infrastructure
Senicheva, Olga Rusyaeva	7116	Devansh Sachin Kejriwal†	Studying the Factors Affecting the Adoption Rate of Electric Vehicles in the U.S.
Shabnam, Sariya	1484	Lucas Allen Mathies†	Beyond the Bell: A Qualitative Comparative Analysis of Relational Practices That Shape Pre-Service Teachers' Understanding of Student Needs
Shah, Jay Rahul	1468	Joshua David Klug† Michael Lee† Navya Harini Datla†	Optimizing Instruction Scheduling with a VLIW Processor Design
Shahriar, Imrul	1115	Eleanor Elizabeth Thompson† Ria Singh† Payton Scott Baker† pragnya athri* Caisong Deng*	Bispecific Antigenic Immuno-Therapy (BAiT) for Preclinical Evaluation in Hypoxic Melanoma
Shalaev, Vladimir M	1618	Geetika Chitturi†	Characterization of Gallium-Doped Zinc Oxide Thin Films for Tailoring Thickness-Dependent ENZ Wavelength and Loss
Sharma, Chayan	1016	Daniel Russell Cline†	In Vitro Activity of Repurposed Drugs Against Different Acanthamoeba Strains
Sharma, Chayan	1709	Jeeya Vijay Thukral†	Thermotolerance Testing for N. Fowleri Amoeba (Nf69)
Shashurin, Alexey	1483	Mathis Malaussena† Liam Allen West†	Combined Two-Color Resonance-Enhanced Multiphoton Ionization (2-Color REMPI) and Coherent Microwave Scattering for Diagnostics of Electric Propulsion Systems
Shaw, Alleé	1676	Julie Thu Anh Phung†	Impact of Pre-Gestational Acute Kidney Injury on Pregnancy Outcomes and Offspring Development in Mice
Sheeder, Samuel James	1089	Ethan Julian Ramon† Geetika Chitturi†	Simulation and Optical Characterization of Microring Resonators for Integrated Silicon Photonics
Sheffield, John W	1001	Abdullah Alkazemi† Zi-Hao Ethan Wei† Kylyne Kuo† Arav Prasanna Ginde† Zoe Chen‡ Parth Dama‡ Gabriel Dean Kuchersky‡ Maya R Labonte‡ Francine Yu He Zhang‡ Sullivan Kelly Mills‡	Powering Hyperscale Data Centers - A Conceptual Design for AI Mission-Critical Workloads
Sheu, Vanessa	1535	Sarah Wu† Lucia Barrera Lamagna† Shayna Ashley Ramirez†	Language as a Window into Cognition: The Processing of Syntactic Ambiguity by Native Speakers of English
Shukle, Catherine Jean	1114	Sudiksha Thirumalaivasan†	Purdue should incorporate a dental clinic open to students on campus
Shukle, Catherine Jean	1266	Marisol Andrea Lefort-Liceaga†	Would Purdue Students Benefit From Sleep Improvement Resources?
Shukle, Catherine Jean	1419	Katherine Kile Degroote†	Does the temporary nature of travel nursing significantly contribute to professional burnout due to increased isolation and loneliness?
Shukle, Catherine Jean	1605	Zoe Michelle Beavers†	Hostile architecture and its effects on the homeless
Shukle, Catherine Jean	1645	Jungmin Im†	Why Purdue Should Implement More Single-room Study Spaces
Shukle, Catherine Jean	1660	Reilly Siobhan Lustina†	How Students Can Utilize Context-Dependent Memory

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Shukle, Catherine Jean	7005	Dhriti Jasti†	Ethics and Economics of Patenting Lifesaving Vaccines
Siegmund, Thomas H	1302	Kathryn Anne Roscetti†	FEA Modeling of Radius Bones
Siegmund, Thomas H	7104	Kaley Roe†	Evaluating Bone Material Properties Using Reference Point Indentation
Sillaste, Erik	1432	Josi Laura Gallo† Grace Enpei Chen† Allison Paige Vick Miller‡ Emily Courtney Chan‡ Luke Thomas Benner‡ Brhandom Jeishryel Brisueno Lopez‡	Skin blood flow response to local heating across control, type 2 diabetic, and peripheral artery disease conditions
Sillaste, Erik	7107	Luke Thomas Benner† Brhandom Jeishryel Brisueno Lopez† Grace Enpei Chen* Emily Courtney Chan* Josi Laura Gallo* Allison Paige Vick Miller*	Heat and Intermittent Pneumatic Compression to Lower Extremity Result in Increased Oxygen and Deoxyhemoglobin Saturation and in Healthy and Pre-Diabetic Individuals
Silva, Christian	1855	Maurice J Reimer†	Investigating Large Language Model-Based Decision Making for Deep Space Habitat Systems
Singer, Noah Charles	1045	Sanjith Jothi Bala† Nikhil Sai Kodali† Gechun Guo†	A Comparative Analysis of Quanvolutional and Classical Neural Networks for Natural Disaster Image Classification
Singer, Noah Charles	1262	Derek Yishio Lee† Sarina Manchirala† Anubhav Majumdar† Nikhil Sai Kolli†	Pushing Quantum Limits: How Error Mitigation Makes Simulations More Reliable
Singer, Noah Charles	1635	Keshav Gollamudi† Honghai Gong† Soham Roy†	Quantum Reinforcement Learning: A Survey and Comparative Study with Classical Methods
Singer, Noah Charles	1674	Abhinav Vijay Pande† Adarsh Narayanan† Rahul Nagisetty† Vivan Nagrath†	Quantum Annealing for Feature Selection: A Comparative Study on the MiniBooNE Dataset
Singer, Noah Daniel	1129	Nadav Yaniv† Edgar Robles† Stephen Reeves† Sicheng He†	A Hybrid Quantum–Classical Deep Learning Approach to Chest X-Ray Classification
Singh, Ayush	1290	Dev M Patel† Sirui Yang† Joseph Allen Sowers†	Lockup-free Cache Verification based on UVM Platform
Singh, Ayush	1499	Preston Daniel Perkins† Omar Habib Habli† Jeffery Xiaotian Liu†	I2C UVM Testbench
Singh, Ayush	9000	Mohamed khaled Mohamed Atta† Don Anh Nguyen†	AHB-APB Bridge UVM
Singh, Devin	9033	Sandeep Saravanakumar† Matthew Yao† Michael Brayden Hudson† Brian Zhuang† Nicholas Zhang‡	USB Host Controller for AFT-series SoCs
Singh, Saanvi	1018	Tate James Compton† Lauren Jean Dumaresq† Swetha Hariram Maneri†	The Hidden Cost of The Olympics
Singh, Saanvi	1221	Marcus Macapodi Douge†	VR Machine Shop Training Simulator: Improving Safety and Learning Outcomes
Singh, Saanvi	1477	Aelish Marie Ligon† Zoey Zhu Bussick† Eann M Gatuna†	Employee Retention Methods Using IoT and AI integration
Singh, Saanvi	1646	Hiya Jha† Kian Shiju Kallarakkal†	3D Design Comprehension Enhancement using AR/VR for Engineering Education

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Singh, Saanvi	1715	Shreya Veeredhi† Caleb Michael Diekmann†	Augmented Reality Display System for Go-Karts
Singhal, Vidisha	7103	Charles Spencer Bowles† Andrew Robertson†	Simulation of Modified Coherent Ising Machines for LLM Inference and Training
Sloss, Rhona	9017	SeoJeong Kim†	Evaluation of Therapeutic Drug Monitoring in Adult Critical Care Units (ACCUs) at St Bartholomew's Hospital, London UK
Smart, Mary Anne	1456	Cheyenne Mie Huggins†	Effects of AI Workshop on CS Students' Perceptions of AI
Smith, Kalesia Renae	1636	Hannah Cole Hampson†	Adult Immunization Needs and Perceptions Among Patients at a Free Medical Clinic in Indianapolis
Soranno, Danielle E	1676	Julie Thu Anh Phung†	Impact of Pre-Gestational Acute Kidney Injury on Pregnancy Outcomes and Offspring Development in Mice
Sotelo, Luz	1421	Quintin David Dumouchelle†	Acoustic Levitation for Additive Manufacturing
Sribunma, Worawis	1667	Dominic Henry Mazurek† William Falk Wahlberg† Braden Thomas Callaway†	Autopilot Integration and High-Fidelity Simulation for Lightweight Unmanned Fixed-Wing Aircraft
Starr, Hannah Elise	1020	Vivian de Toledo Krainer†	Introduction to Laboratory Techniques
Starr, Hannah Elise	1493	William Isaiah Need† Nijaul Wyatt Drollinger* Lilia Elizabeth Raes*	Developing Undergraduate Inorganic Laboratory Projects through the Synthesis and Characterization of Manganese\Rhenium Tricarbonyl Complexes
Stone, Amanda Elizabeth	1076	Sonia Panchal†	Investigating Embedded Sensing in Metamaterials for Thermal Management Applications
Subedi, Abhishek	7120	Arunasalam Subbiah† Sanjana Chinthalap Mohan† Priyanka Bansal‡ Dhruvika Deekonda‡ Ridham Jatinkumar Patel‡ Mark Vincent Waldron‡	VIP - Smart Cities - Data Annotation
Sudhoff, Samantha	1688	Hector Armando Salinas Gordillo†	Exploring Interactive Robotic Music Therapy Systems for Rehabilitation: A Survey
Sudhoff, Samantha	1807	Pranav Perumal†	Paid Voices vs. Public Feeds: How Climate Narratives Diverge Online
Sundaram, Shreyas	1289	Ali Ayman Moha Omar† Abdulrahman Mohamed Abougendia† Salaheldin Elsayed Ibrahim AbdelMoaty† Zeyad Mohamed Al Elshafey†	Perception-Driven Autonomous Navigation for Low Altitude Aircraft
Suri, Ramaa Saket	9003	Frank Mingyuan Chen† Courtney Grace Marsh† Mariana Ortiz Martinez Troncoso† Christopher Hao Xuan Xie†	Intelligent Data Validation for Agricultural Sensor Networks Using LLMs
Swabey, Matthew A	1308	Priyan Kamlesh Shah† Andrew Doru Bogdan†	Design and Implementation of a Shield-Class Daughtercard Module utilizing an HSMC for FPGA-SRAM Interconnect Optimization
Swabey, Matthew A	1651	Tyler Ken Kikuno† Joseph Alexander Schelb† Brandon B Velasquez Hernandez† Jihong Min† Zhuoyu Yang‡ Yu-Chen Tseng‡	2.4 GHz Radio Transmitter
Swabey, Matthew A	1696	Deeya J Sharma†	System on Chip Extension Technologies: Printed Circuit Board Team LCD Interface Design for the AFTx05
Swanson, Kyle Robert	1535	Sarah Wu† Lucia Barrera Lamagna† Shayna Ashley Ramirez†	Language as a Window into Cognition: The Processing of Syntactic Ambiguity by Native Speakers of English

Name	Presentation	Students	Title
Swenson, Carter Brian	1443	Lauren Elizabeth Grose†	Drivers of Cropland-Atmosphere CO2 Exchange in U.S. Midwest Corn and Soybean Agroecosystems
Taghian Dinani, Soudabeh	1047	Simarleen Kaur† Arnav Chandra Singh‡ Kriti Kishan Nandakumar‡ Sannidhi Agarwal‡ Aahana Dahiya‡	Boiler Dining Image and Evaluation Tracker (DIET)
Taghian Dinani, Soudabeh	1068	Sarah Mohapatra† Dylan D Patel† Sai Maanasa Gogula† Yubeen Oh‡ Tanishq Praveen Pauskar‡ Max Ben-Azai Kirschner‡	VIP AI4DR: Disaster Tweet Classification Using Machine Learning for Real-Time Relief Efforts
Taghian Dinani, Soudabeh	1105	Arnav Chandra Singh† Kriti Kishan Nandakumar† Aahana Dahiya† Sannidhi Agarwal† Simarleen Kaur‡	Boiler Dining Image and Evaluation Tracker (DIET)
Taghian Dinani, Soudabeh	1128	Chi Che Colin Wu† Rishabh Mahesh† Ken Zhang† Joshua John Beigel‡ Julia Kang‡ Logan Michael Fossum‡	AI Use in Disaster Response Image Classification
Taghian Dinani, Soudabeh	1288	Yubeen Oh† Tanishq Praveen Pauskar† Max Ben-Azai Kirschner† Sarah Mohapatra‡ Dylan D Patel‡ Sai Maanasa Gogula‡	VIP AI4DR: Disaster Tweet Classification Using Machine Learning for Real-Time Relief Efforts
Taghian Dinani, Soudabeh	1402	Joshua John Beigel† Julia Kang† Logan Michael Fossum†	VIP - AI4DR: AI Use in Disaster Response Image Classification
Taghian Dinani, Soudabeh	1481	Katherine Ma† Raymond Chi† Aram Kalous† Alexandre Wade Rosental†	Context-Driven Semantic Modeling for Object and Activity Prediction
Taghian Dinani, Soudabeh	1854	Zian Pan† Ethan J Chan† Edward Ayomide Ojuolape†	Assessing Political Body Language
Taghian Dinani, Soudabeh	7013	Donald Alexander Weintz† William Benjamin Tao† Piotr Stanislaw Nabrzyski† Benjamin Tyler Nguyen†	Nutrition Change Estimation Through Video
Taghian Dinani, Soudabeh	7084	Dave Vishalkumar Patel† Divyansh Pramanick† Nived Ambadipudi† Anish R Devulapalli†	Online Pedestrian Annotation Tool
Tallman, Tyler N	1851	Neha Jiju† Jack Karson† William Antonio Keyes† Paige M Leusink† Anirudh Manoj‡ Samir Mehra‡ Ananya Prasad‡ Surabhi Sinha‡ Owen Taylor Swartz‡ Antonia Vlahos‡ Enze Chen‡	Self-Sensing Materials in Unmanned Aerial Vehicles
Tan, Yingxin	1401	Zixuan Bao† Chenke Sun†	Key Factors Affecting Restaurants' Visits in the Urban Environment

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Tanaka, Takashi	7002	Meghana Kumar† Austin Christian Lika† Lucca Su Mo† Geronimo Marin Hurtado‡	Pencil Balancing Robot Utilizing Event Cameras
Tanamachi, Robin L	1702	Maliyah Ann Smith†	Influence of QLCS Merger Types on the Frequency and Timing of Tornado Production
Tanwar, Reeya	1691	Sofia Schumann† Kishan Kumar Namburi‡	Investigating the Role of Paraoxonase 1 Genotype in Modulating Chlorpyrifos-Induced Mitochondrial Dysfunction Relevant to Parkinson's Disease
Tao, Weiguo Andy	7065	Vatsal Sanjeevkum Dudhaiya† Jackson Drew Douvas† Isaac Kojima Shane†	A Full-Stack Application and Statistical Pipeline to Streamline Proteomics Data Analysis for Enhanced Accuracy and Interpretation
Taylor, Sandra D	1118	McKinley Kathryn Underhill†	Validation and Temporal Analysis of Differentially Expressed MicroRNAs in Horse Serum Following Intravenous Lipopolysaccharide Administration
Tegtmeyer, Matthew Thomas	1858	Lucille Mattingly Whyman†	Morphological Effects of Clozapine on Astrocytes
Tesini Roseguini, Bruno	1065	Allison Paige Vick Miller† Emily Courtney Chan† Josi Laura Gallo‡ Grace Enpei Chen‡ Luke Thomas Benner‡ Brhandom Jeishryel Brisueno Lopez‡	Hotfoot: Effects of Combined Foot Heating and Compression for Type 2 Diabetes
Tesini Roseguini, Bruno	1432	Josi Laura Gallo† Grace Enpei Chen† Allison Paige Vick Miller‡ Emily Courtney Chan‡ Luke Thomas Benner‡ Brhandom Jeishryel Brisueno Lopez‡	Skin blood flow response to local heating across control, type 2 diabetic, and peripheral artery disease conditions
Tesini Roseguini, Bruno	7107	Luke Thomas Benner† Brhandom Jeishryel Brisueno Lopez† Grace Enpei Chen* Emily Courtney Chan* Josi Laura Gallo* Allison Paige Vick Miller*	Heat and Intermittent Pneumatic Compression to Lower Extremity Result in Increased Oxygen and Deoxyhemoglobin Saturation and in Healthy and Pre-Diabetic Individuals
Thakkar, Dutt Jagdish	7025	Karla Quintero Osorio†	Employee Turnover in the Automotive Industry: Causes, Consequences, and Implications.
Thakkar, Dutt Jagdish	7094	Lilian Patricia Holguin Mejia†	Forecasting Pharmaceutical Demand with Machine Learning: A U.S. Analysis with an Indiana Application
Than, Tri	1315	Parin Paresh Timbadia† Qinjia Xu‡	Designing an Ultra-Low-Latency FPGA Accelerator for High-Frequency Trading
Thapa, Kamana	1016	Daniel Russell Cline†	In Vitro Activity of Repurposed Drugs Against Different Acanthamoeba Strains
Thompson, David	1092	Evelyn Rose Renninger† Hayden Schneider‡ Peyton E Tanoury‡ Bryn Regan Cook‡	Development of LENN for Targeted Nucleic Acid Therapeutics
Timmer, Isaac John	7049	Emily Lucille Richardson†	Characterizing Glycogen Metabolism in Cyanobacteria During Light-Dark Cycles
Tomar, Monika	9029	Tyler Clay Pieszchala†	Drones in Commercial Use
Tomar, Monika	9037	Chloe Elizabeth Staron†	eV Karts
Tomoo, Keigo	1606	Jadyn Marie Befort†	The Effect of Moderate Continuous Exercise on Plasma Free Fatty Acid Carrier Proteins in Mice.

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Torres Arias, Santiago	1675	Jayla Kennedy Parks† Tarek Ibrahim Salama† Omar Ahmed Abdelrady Ismaiel† Daniel Kailin Wu† Samuel D Guber* Evan Robert English* Sebastian Emin Toro*	ChainVisor - Investigating IoT
Torres Cruz, Terry Jarianna	7113	Robert james Lyon†	Using leaf disk assays to culture and diagnose Coffee leaf rust
Tovar, Andres	9034	Arjun Sharma† Jonathan Haixin Liu‡	Ultra-high strength thermoplastic starch film for packaging
Tyagi, Abhinav	1664	Abigail Rose Malott† Alexandra Grace Early† Katerina Murkes‡	Comparing eDNA Results to Camera Trap Data to Determine Biodiversity
Unuigbokhai, Ayomide Olohigbe	1858	Lucille Mattingly Whyman†	Morphological Effects of Clozapine on Astrocytes
Uzomah, Onyx Nkolika	1801	Kellyn Susan Bucceri† Hannah Grace Schroeder†	The Infrastructure of Healthcare in Rural Kenya and the Effects on HIV/AIDS Control, Prevention, and Treatment
van 't Hoff, Merel	7074	Shruti Subramaniyan†	Tracing the Origins of Water: Constraining the Distribution of Heavy Water to Ordinary Water in a Planet-Forming System
Van Winkle, Faith	1803	Stamatia Eleni Katsaros† Jasmine Alayna Luckett*	Formation of Mars-like soils in southern Peru's hyper arid Atacama Desert
Vashishtha, Rhea	1462	Pradyunn Vikram Kale† Justin Samuel‡	ECELabs.io upscaling - Making FPGA more accessible
Vashishtha, Rhea	9032	Justin Samuel† Pradyunn Vikram Kale‡	Applying and Enhancing New Ways to Educate on FPGA's
Vatkar, Nachiket	1720	Madelyn Erin Wurzel†	Developing a Conductive Hydrogel Platform for Galvanic Skin Response and a Non-Enzymatic Sweat Analysis for Stress and Cognitive Workload
Veenstra, Jessica Leigh	1046	Pia Kapur†	Evidence of Possible Bystander Effects after Grid Radiation Therapy in Vitro
Verduzco Gastelum, Juan Carlos	1698	Tony Shih†	NanoHub sim2ls
Vermeuel, Michael P	1443	Lauren Elizabeth Grose†	Drivers of Cropland-Atmosphere CO2 Exchange in U.S. Midwest Corn and Soybean Agroecosystems
Vhaduri, Sudip	1620	Atandrila Chowdhury†	Analyzing Pilot Stress and Fatigue
Vijaya Sankar, Nikkhil	1058	Colleen Li† Aadit Khurana† Tran Le Ngoc Vo†	Data Management for Smart Cities
Vijaya Sankar, Nikkhil	1800	Mohit Sachin Ambe† Yaduvir Singh†	SMART Cities Audio Sentiment Analysis Model for PASER Asphalt Grading
Vijaya Sankar, Nikkhil	7057	Yaduvir Singh† Mohit Sachin Ambe†	SMART Cities Audio Sentiment Analysis Model for PASER Asphalt Grading
Vijaya Sankar, Nikkhil	7120	Arunasalam Subbiah† Sanjana Chinthalap Mohan† Priyanka Bansal‡ Dhruvika Deekonda‡ Ridham Jatinkumar Patel‡ Mark Vincent Waldron‡	VIP - Smart Cities - Data Annotation
Vincent, Kiruba Catherine	1679	Myriam Julieth Rangel Miranda†	Thin film optimization for BaZrS3 chalcogenide perovskite
von Seggern, Isabella Claire	7114	Nina Kay Wilson†	In Ovo their heads: Can behavioral and physiological stress responses from heat stress be replicated without a parental component in Pekin ducks?

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Wagner, Ryan B	1008	Alexander Carnevale† Gabriel Scott Shifflett† Nikitha S Kambi† Manas Kathuria†	Modeling Fluidic System to Comprehend Drug Transport in the Maternal-Fetal Membrane
Wagner, Ryan B	7034	Rhea Rakhra† Clayton Drook† Lourd Saba AbuHadid† Aakash Sanjay‡ Sanika Sudhir Bane‡	Physical Modeling Placental Transfer of Small Molecule Drugs
Wagner, Ryan B	7051	Aakash Sanjay† Sanika Sudhir Bane† Rhea Rakhra‡ Clayton Drook‡ Lourd Saba AbuHadid‡	Physical Modeling Placental Transfer of Small Molecule Drugs
Wagner, Ryan B	7129	Ella Grace Olson†	Investigating Liposomal Drug Carrier Interaction Forces with Membranes
Waltenburg, Eric	7048	Lucia Aurora Morton†	Trusted Tech in Motion: Building AI for Space & Maritime Domain Awareness
Waltenburg, Eric	9016	Deona Julary†	Likes, Shares, Extremism: How Social Media Fuels Radicalization
Wang, Chih-Chun	1431	Connor Bradley Frey† Priya Adiga† Andrew Thomas Johnson† Sebastian Enrique Pirela‡ Zhi-Yu Shao‡ Andrew Owen Fewell‡	Beyond 5G: Real-World Implementation of Modern Communication Techniques
Wang, Gavin	9042	Khai Minh Wall† Ian Michael Scroggs† Zachary Alan Rogers† Ipek Yuzcelik† Jiya Patel‡ Arturo Ivan Lemus‡ Abdul Rahman Abuhelwa‡ Liam Michael Kennedy‡ Luis David Garza Mendoza‡ James Paul Argentina‡	Optimization of Percutaneous Leadout Cable Suspension for Chronic Awake EEG Recordings in Rats
Wang, Xing	1075	Kaitlin Rose Otto† Emeline Marie Papp† Ty Emerson Schafer† Caleb Zachariah Brunton† Joshua Petzer‡ Viswanath Jay Nair‡	Improving Parts Order Accuracy Through Production Data Analysis
Wang, Xing	1119	Marissa Shuluo Urbanek† Kyle Steven Emgenbroich† Vinicius da Paixao Fernandes† Filippa Maria Rodriguez Pinzon†	SmartLeash+: A Strategic Model for Disrupting the Pet Training Market
Wang, Xing	1125	Colin Lucas Wellington† Jose Augusto Heighes Claux† Marcus Victor Page† Swati Raj Rajasekaran†	Utilizing Predictive Modeling for Retail Sales and Inventory Optimization
Wang, Xing	1272	Aryaa Madan† Ethan Thomas Garcia† Rou Chi Huang† Aidan Daniel Manickam† Rishit Basundhara‡	Forward Electricity Price Forecasting
Wang, Xing	7078	Aditya Ghorpade† Brandon James Rodarmel† Omamah Khalud Jamil† Rachel Elizabeth Carlson† Yang Wu†	Advancing Delivery Prediction Accuracy in Supply Chain Forecasting

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Wang, Yirou	1044	Emily R Jones†	Engineering the Next-Generation Cereal Bag: Enhancing Cellulose Nanofiber Films with Protein Additives for Fully Biodegradable Packaging
Wang, yu	1117	Mara Valentina Ugaz Angeles†	Effects of Adding Processed and Unprocessed Lean Red Meat to a U.S.-Style Healthy Vegetarian Dietary Pattern on Fasting Plasma Trimethylamine N-oxide (TMAO) in Young Adults
Wang, Zeshu	7029	Geetika Chitturi†	Modeling and Fabrication of Resistive Random Access Memory in the Back-End-of-Line for In-Memory Computing Applications
Wankhade, Vivek vasantrao	1012	Ethan Chieng Chiao† Rohan R Iyer†	Integrated Chirped Bragg Gratings
Wankhade, Vivek vasantrao	1035	Anthony Edward Gurrieri† Brandon Anthony Farber†	Ring Modulator as a Temperature Sensor
Wankhade, Vivek vasantrao	1070	Spencer Andrew Moore† Shashank Varamballi†	Geometric Optimization of Mach-Zehnder Interferometers for Enhanced Photonic Sensor Performance
Wankhade, Vivek vasantrao	1089	Ethan Julian Ramon† Geetika Chitturi†	Simulation and Optical Characterization of Microring Resonators for Integrated Silicon Photonics
Wankhade, Vivek vasantrao	1722	Haoyuan Yang† Ireoluwatomiwa David Salako†	Engineering Topological Edge Modes in One-Dimensional Split Ring Resonator Chain
Ware, Jason	1482	Leo Pearson Malachowski† Bridget Katherine Heindl†	Impact of the Habitat for Humanity Build Process on Quality of Life: Neighborhood Revitalization in Greater Lafayette
Ware, Jason	1804	Lauren Kessler†	Greatriarchs: The Impact of Community
Warsinger, David	1291	Arnab Paul† Hassan Mustafa Tagar‡	Ultra-Low Thermal Conductivity PVDF-rGO Membranes for High Efficiency Thermal Desalination
Warsinger, David	1461	Dev Vishwash Joshi† Mirza Orunav Shahper†	Biogenic Membranes with Ultralow Thermal Conductivity for Enhance Water Desalination
Warsinger, David	7069	Sohum Singh Sodhi†	Acoustic Bioaerosol Removal in HVAC Systems
Wasserman, Adam	1422	Carmen Raquel Erickson†	Density Functional Theory: Interpretation of the Electron Density
Watts, Val	1486	Isabella Marie Mayr† Sarah Lisa Steffey*	Dimerization and Functional Characterization of Adenylyl Cyclase Isoforms 6 and 9
Weibel, Justin	1094	Jonathan Samuel Ryan†	Topology optimization of flow structures for cooling multi-chip modules
Weigand, Miranda Renee	7022	Erik Robert Sveen†	Efficient and Cost-Effective Enzyme Deposition onto Tissues for Mass Spectrometry Imaging of N-Glycans using a Mini-Humidifier
Weinberg, Lindsay	9026	Sarah Jessica O Farril-Gonzalez†	Understanding Emotion Recognition Technology (ERT) in Education
Weligampola, Harshana	1479	Pei-Chi Liu† Yan-Jun Lin† Shravan Pradeep†	Metazoom
Wettschurack, Kyle William	1686	Karen Vanessa Salazar Salazar† Evangelina Sarah Kalathoti* Katherine Margaret Stockhausen*	Modeling DNMT1-associated neurodegeneration using human stem cell–derived cortical organoids.
Wilcox, Michael D	7053	Sai Geethanjal Koduru† Olivia K Williams*	Bridging Small Businesses and Community Health: The Case for Recovery-friendly Workplaces in the North Central Region
Wilhelm, Roland Conrad	1611	Samuel Thomas Burdick†	Maize Aerial Root Mucilage and Microbial Activity: Is it Night and Day?
Wilhelm, Roland Conrad	7112	Kaitlyn Marie Annunziata†	Examining Bias in DNA Extraction of Surface Attached Soil Bacterial Communities
Wilson, Kylie Marie	1446	Gracie Rose Harker†	Associations between Parent Verbalizations about Hunger and Fullness and Child Eating in the Absence of Hunger

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Wilson, Mark	1010	Jordan Hope Cencelewski† Nikolina Latinovic† Dhriti Manish Laddha† Hadi Akbar Rahmani†	Assessing and Reducing Mercury Exposure in Museum Workers: A Global Perspective
Wilson, Mark	1055	Gabriel Thane Lechuga† Mudit Guglani† John Ward Robbins† Christopher Samuel Roberts†	The effect of Dichloro-diphenyl-trichloroethane throughout the years and currently in the workplace with museum workers.
Wilson, Mark	1450	Luke Wilson Heymann† Bridget A Nobbe† Emma Renee Williams† Alexa Giselle Bonilla†	Ionizing Radiation Contamination, Measurement, and Management: A Comparative Analysis of US and Vietnamese Practices
Wilson, Mark	1620	Atandrila Chowdhury†	Analyzing Pilot Stress and Fatigue
Wilson, Mark	1659	Sophia Rochelle Lehnert† Laura Helen Green† Kathryn Lynn McCloskey† Klaudia Julia Czerwinski†	Asbestos Exposure and Policy: A Comparative Study of Health Risks and Regulations in the US and Vietnam
Wilson, Mark	1677	Hurshal Pol† Kapil Ramswamy Chandramouli† Andrew Patrick Folkers† Sidharth Reddy†	Arsenic Exposure and Health Outcomes Across Contexts in Vietnam and the United States
Wilson-Frank, Christina R	1064	Lupita Mejia-Garcia†	Investigation of the application of Hemoglobind™ to improve detection of nitrate in hemolyzed ocular fluid samples
Witt, Michael	1202	Ekam Bhullar† Gonzalo Capio-Rivero* Dana Elizabeth Schirack*	AI-Driven Repository Discovery: A Hybrid Feature Recommendation Engine for re3data.org
Wolanski, Adrian Hoffert	1210	Aashna Chandnani†	Accounting for Censored Data in Charitable Giving: A Tobit Model Replication of Karlan & List
Woo, Sucheol	1418	Francisco Javier De La Victoria Vazquez† Luis Manuel Alvarez Casillas‡	Evaluation of Thermoplastic Composite Rivets for Single-Lap Joints: Comparison with Induction and Hybrid Joining Methods
Wu, Wenzhuo	1098	Adam Jair Selby†	Real-Time Health Monitoring: A Wireless System for Triboelectric Sensor Data Acquisition and Analysis
Wu, Wenzhuo	1500	Kayla Renae Phillips†	Embedded Iontophoretic Biosensing Hardware Design for Metabolic Wearable Sensors
Wu, Wenzhuo	1720	Madelyn Erin Wurzel†	Developing a Conductive Hydrogel Platform for Galvanic Skin Response and a Non-Enzymatic Sweat Analysis for Stress and Cognitive Workload
Wu, Wenzhuo	1721	Hening Xu†	Embedded hardware design for wearable ultrasound electronics
Wu, Wenzhuo	7093	Dhruva Vedula† Mrigas Ajay Iyer† Aryan Jignesh Patel†	AWARE: Affordable wearable self-powered smart pressure platform for workplace injury prevention
Wu, Zhaoqing	1807	Pranav Perumal†	Paid Voices vs. Public Feeds: How Climate Narratives Diverge Online
Xie, Lijia	7030	Rachel Christine Quisil Ordiales† Carl Alexander Bravata†	Reliability of High-Temperature Pb-free Solders
Xu, Ranjie	1251	Oliver Thomas Johnson†	Creating a Xenografted Human Vascularized Chimeric Brain Model
Xue, Yexiang	1435	Miguel Edoardo Garcia†	Latent Convergence as a Criterion for Graph Algorithm Termination
Yang, Fan(Aria)	1411	Pranav V Chitiveli† Ananya Jajoo†	Streaming object localization data in game simulation for digital twinning

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Yang, Yang	1686	Karen Vanessa Salazar Salazar† Evangelina Sarah Kalathoti* Katherine Margaret Stockhausen*	Modeling DNMT1-associated neurodegeneration using human stem cell–derived cortical organoids.
Ye, Zihao	1268	Xuanrui Lin† Pranav Boyapati† Arvind Shyam† Luisa Cruz Miotto†	Optimizing Open-Vocabulary Segmentation via CNN Backbone Replacement and Knowledge Distillation
Ye, Zihao	1616	Christopher Timothy Chan† Aadithya Vasudevan†	Low Power Computer Vision Challenge: Forgery Detection in AI Generated Images
Yeo, yoon	7062	Rosalyn S Chu†	IL-21 delivery to lymph nodes via albumin complexation for vaccine applications
Yoshida, Ken	9042	Khai Minh Wall† Ian Michael Scroggs† Zachary Alan Rogers† Ipek Yuzcelik† Jiya Patel‡ Arturo Ivan Lemus‡ Abdul Rahman Abuhelwa‡ Liam Michael Kennedy‡ Luis David Garza Mendoza‡ James Paul Argentina‡	Optimization of Percutaneous Leadout Cable Suspension for Chronic Awake EEG Recordings in Rats
Youngblood, Jeffrey P	1044	Emily R Jones†	Engineering the Next-Generation Cereal Bag: Enhancing Cellulose Nanofiber Films with Protein Additives for Fully Biodegradable Packaging
Yun, Yeon Ji	1085	Ronit Podder† Anirudh Vummadising† Shivoy Sharma* Arnav Adi Vemula*	Robotic Glockenspiel Research Abstract
Yun, Yeon Ji	1334	Boyang Zhang† Jiashu Liu†	Sound Quality Improvement in Robotic Cello Playing
Yun, Yeon Ji	1471	Kayoon Koh† Trevor Mission Ju† Preston Tang Mo† Ziang Wang* Michael X Zhang* Ekaterina Tszyao* Shrinand Perumal* Sanjana Tatavarthi* Jackson Patrick Shields* Paige Lorenz* Sivamurugan Velmurugan* Luke Jaehyeon Choi*	Real-Time Evaluation of Cellist Posture Using On-Device Computer Vision
Yun, Yeon Ji	1526	Ashwin Kazuki Thampi† Vera T Gao† Aryan Kiran Kumar Chamarajanagar† Kaya Tacer†	Shaping Music Practice with Automated Evaluation
Yun, Yeon Ji	1688	Hector Armando Salinas Gordillo†	Exploring Interactive Robotic Music Therapy Systems for Rehabilitation: A Survey

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Yun, Yeon Ji	7121	Ojas Chaturvedi† Emily Ran Li† Junyong Lee† Shreeya Vishram Sarurkar† Vishaal Iyer‡ Arnav Ashish Kalekar‡ Elliott Jameson Soderberg‡ Sean Xiaoyang Su‡ Isha Virat Yanamandra‡ Kayshav Bhardwaj* Tanay Hemant Gondil* Sanshray Kumar* Franklin Shang* Ritwik Suresh Jayaraman*	Automatic Music Transcription – AI for Music
Yun, Yeon Ji	9049	Tiffany Yung†	Vision-Guided Autonomous Robotic Drummer Using AprilTag Localization
Zeidler, Benjamin	1061	Maria Luciana Mantilla Cajias† Bea Olivia Cabot‡ Wilhelm S Smith‡ Anna Julie Astrid Webb‡ Aasish Chowdary Karuturi‡	Analysis of Doxorubicin-Induced Cardiotoxicity Using Echocardiography and Dobutamine Stress Test
Zeidler, Benjamin	1206	Bea Olivia Cabot† Anna Julie Astrid Webb‡ Aasish Chowdary Karuturi‡ Wilhelm S Smith‡	Identifying Doxorubicin-Induced Cardiotoxicity Using 4D Echocardiography
Zeller, Matthias	7008	Landon Oliver King†	Synthesis and Reactivity of Lanthanides with Redox-Active Frameworks Towards Early Chalcogens?
Zhang, Chi	1332	Ambhranee Yakkundi†	Reconfiguration of the Microtubule Network and Dynamics in Hypoxic Cancer Cells
Zhang, Chi	7073	Ishaan Kartik Singh†	Fluorescent Lifetime Readout of Cellular Opto-Control
Zhang, Jiansong	1227	Weston James Ertel†	RUDOLF Project
Zhang, Jiansong	1411	Pranav V Chitiveli† Ananya Jajoo†	Streaming object localization data in game simulation for digital twinning
Zhang, Jiansong	1470	Taran Sid Koduri† Berra Ulku Kalci† Angel Francisco Castillo Aldaco‡	Design Improvements and System Integration of a Timber Frame Construction Robot
Zhang, Jiansong	1729	Yanming Zhou†	RUDOLF: automatically checking accessibility of floorplans
Zhang, Jing	1808	Hassan Saad†	3D Printing Purdue Logo with Ceramics
Zhang, Jing	9035	James Siadaty† Hassan Saad† Haocheng Huang† Izabella Ann-Marie Celeste-Wade† Triston Douglas Kobielusz*	Using a High Temperature 3D Printer
Zhang, Tongxiao	7108	Akshita Choraria†	Colors in Branding - Neuromarketing
Zhang, Yi	1606	Jadyn Marie Befort†	The Effect of Moderate Continuous Exercise on Plasma Free Fatty Acid Carrier Proteins in Mice.
Zhang, Yuxuan	1048	Dillon Brennan Kay†	Activation Energy of Electronic Conduction in p-type Tin Oxide
Zhang, Zoe	1209	Jordan Ceron† Jillian Grace Robbins†	Adult Intelligibility Ratings of Child Speech
Zhao, Lingling	7020	Thomas Anthony Slamecka†	Investigation of Solar Wind Compressible Fluctuations Using Inner Heliospheric In Situ Observations
Zheng, Qingfei	1216	Kaiwaan Porus Dalal†	Exploring the Histaminylation Proteome in Colorectal Cancer Cells
Zhou, zhi	1413	Yoonjung Choi†	Investigating the Molecular Mechanism of PBCV-1 Virus-Induced Lipid Production Enhancement for Renewable Energy

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Zhu, Fengqing	1105	Arnav Chandra Singh† Kriti Kishan Nandakumar† Aahana Dahiya† Sannidhi Agarwal† Simarleen Kaur‡	Boiler Dining Image and Evaluation Tracker (DIET)
Zhu, Fengqing	1481	Katherine Ma† Raymond Chi† Aram Kalous† Alexandre Wade Rosental†	Context-Driven Semantic Modeling for Object and Activity Prediction
Zhu, Fengqing	1854	Zian Pan† Ethan J Chan† Edward Ayomide Ojuolape†	Assessing Political Body Language
Zhu, Fengqing	7013	Donald Alexander Weintz† William Benjamin Tao† Piotr Stanislaw Nabrzyski† Benjamin Tyler Nguyen†	Nutrition Change Estimation Through Video
Zhu, Fengqing	7084	Dave Vishalkumar Patel† Divyansh Pramanick† Nived Ambadipudi† Anish R Devulapalli†	Online Pedestrian Annotation Tool
Zhu, Tiancong	1106	Manaswini Singh† Priya Mishra‡ Sagarika Menon‡	Engineering 2D Materials for Controlled Quantum Defects with ML Assistance
Zhu, Yu	7098	Isabel Estela Lusky† Samuel S Copeland†	A Comparison of Lipid Nanoparticle Cholesterol Composition using Molecular Dynamics Simulations of Coarse-Grained Models
Ziliak, Meredith Christine	1474	Hrishikesh Murli Krishna† Jax Patrick Marrone‡	Sex Differences in Distortion Product Otoacoustic Emissions Following Small Arms Fire-like Noise Exposure
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Zimmer, Noah William	1093	Francisco Alejandro Ruiz† Jason Timothy Emsley† Jay Philip Gannam† Chawin Mingsuwan†	Identification of Tidal Disruption Events from the Zwicky Transient Facility
Zimmer, Noah William	1260	Kaira Wing Kwong† Alexandra Madison Chrostowski† Brian Jeffrey Young† Srinidhi Sivakumar†	Exploring the Physics of Type Ic Supernovae through Statistical Light Curve Modeling
Zimmer, Noah William	7123	Madeline G Taylor†	Variable Emission in JWST Observations of the Supernova Remnant Cassiopeia A Reveal Light Echoes and Ejecta Flickering
Ziviani, Davide	1076	Sonia Panchal†	Investigating Embedded Sensing in Metamaterials for Thermal Management Applications
Ziviani, Davide	1299	Aveena Kuntal Rawal†	Simulation-Based Rotor Profile Design Process for Twin-Screw Compressors in High-Temperature Heat Pump Systems
Zollner, Patrick A	1003	Rebeca Joyce Appelmann† Kylee Ann Thorson* George D Emerson*	Assessing gray fox occupancy along forest edges in Indiana using camera traps
Zoltowski, Carla	1047	Simarleen Kaur† Arnav Chandra Singh‡ Kriti Kishan Nandakumar‡ Sannidhi Agarwal‡ Aahana Dahiya‡	Boiler Dining Image and Evaluation Tracker (DIET)

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Zoltowski, Carla	1105	Arnav Chandra Singh† Kriti Kishan Nandakumar† Aahana Dahiya† Sannidhi Agarwal† Simarleen Kaur‡	Boiler Dining Image and Evaluation Tracker (DIET)
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Zoltowski, Carla	1854	Zian Pan† Ethan J Chan† Edward Ayomide Ojuolape†	Assessing Political Body Language
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Zuel, Brian C	7076	Milica Slavkovic†	Agentic AI for Adaptive Cyber Defense