**2023 ASEE North Central Section Conference**

Poster Presentation Schedule

Morgantown, WV

Saturday, March 25, 2023

**Evansdale Library, 11:45-12:15**

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| **#** | **Poster** | **Title** | **Authors** |
| 1 | 39488 | *New Sustainable Solvent for Hesperidin Extraction* | Emily Henry & Kelly Eryn Mills |
| 2 | 39619 | *Elevated TMEM38B in the caudate nucleus with Alzheimers disease* | Kaitlyn Nicole Legg, Emma Paige Barrett, & Joon W. Shim |
| 3 | 39995 | *Auto Adjust Tripod* | Amanda Wells & Isaac Strahan |
| 4 | 40350 | *STRESS ANALYSIS OF MINI-SCREW ASSISTED RAPID PALATAL EXPANDER USING FINITE-ELEMENT ANALYSIS* | Osama M. Mukdadi, Peter Ngan, & Khaled Alsharif |
| 5 | 40369 | *Strategies and Steps for Defining and Implementing a Sustainable Engagement Strategy in an R1 Engineering College* | Cerasela Zoica Dinu & Pedro J. Mago |
| 6 | 40382 | *Surveying Engineering Management Programs: Results & Challenges* | Baran Zibaei |
| 7 | 40404 | *PASSH Environmental Stimulation Through Raised Garden Beds and Water Distribution* | Lindsay Nicole Steis, Jacqueline Marie Sandquist, Hunter Telford, Kaitlin Sidare, Tyler John Seelnacht, Brady Johnson, Scott Lee Fennell, Andrew Donald Snowdy, Varun K. Kasaraneni, & Lin Zhao |
| 8 | 40407 | *Intellaundry Senior Capstone* | Alec Mercurio, Calob Cope, Maxwell Joseph Gerckens, & William Klepinger |
| 9 | 40411 | *Degradation and Separation of Perfluorooctanoic Acid (PFOA) From Drinking Water Sources* | Paola Alejandra Perez-Vega |
| 10 | 40412 | *Implementation of AC Power Supply System for STEM Cell Studies* | Brooke Paige Marshall, Jayanta Kumar Debnath, Wook-sung Yoo, & Nasim Nosoudi |
| 11 | 40413 | *Design and Fabrication of an Electric Motor System to Replace an Internal Combustion Engine for Boat Propulsion* | Luke Edward Sowinski, David Andrew Marcano, Tony Lee Kerzmann |
| 12 | 40415 | *Solar Powered Wireless Sensor Node: Energy Maximization* | Clayton Burger |
| 13 | 40416 | *RPG Classroom Management Software* | Stephany Coffman-Wolph, Tyler Dazey, Caden Bower, Thane Michael Class, & Caleb Paul Baker |
| 14 | 40417 | *On the Perceived Benefits of Demonstrating an FPGA Board Running the RISC-V Instruction Set in a Computer Architecture Course* | Eric McKanna |
| 15 | 40422 | *Lessons from a combined junior level CHE course project: Reactor, separation, and process modeling* | Madelyn Ball, Oishi Sanyal, & Yuhe Tian |
| 16 | 40423 | *Launch of Student Engineering Team: XXXXX Electric Propulsion and Lessons Learned During COVID* | Nicholas Ernest Genco, Tony Lee Kerzmann, & Robert J. Kerestes |
| 17 | 40424 | **WITHDRAWN** |  |
| 18 | 40432 | *NSF S-STEM Project Updates: Supporting Undergraduate Cohorts of Career-Ready Engineering and Science Scholars (SUCCESS Program)* | Kenan Hatipoglu, Yogendra M. Panta, & Tamara Floyd Smith |
| 19 | 40434 | *Intelligent Ground Vehicle Competition Entry - Ohio Northern University* | Joshua Ellis, Robert Joseph Hayek, Antonio Gonzalez, Dominic Owen Hupp, Alan Dravenstott, &Austin McCoy |
| 20 | 40440 | *Stair Traversing Autonomous Robotic Vehicle (S.T.A.R.Ve)* | Dillon Jackson Brady, Mason Matthew DuVernay, Heath Jeffries, & Abigail Schauer |
| 21 | 40441 | *Preparation of Drug Loaded Nanocellulose Suture Thread for Wound Healing* | Paniz Niksiar & Longyan Chen |
| 22 | 40442 | *Threat Mangement Router* | Jerry Urizar, Hayden Max Drennen, Jorens Walter Kirsis, M. Ajmal Khan, & Ahmed Oun |
| 23 | 40445 | *Emergency Supply Chain Management: Conventional and Alternative Concepts* | Junayed Pasha, Rahul Singh, & Nishant Thakkar |
| 24 | 40446 | *Lessons Learned from a Fulbright Experience: Promoting Effective Teaching Practices in Nepal* | Yogendra M. Panta |
| 25 | 40447 | *Finding Critical Reynolds Number in a Hele-Shaw Cell* | Matthew Sendrey & Shehla Arif |
| 26 | 40451 | *Water Collection Unit at Because You Care Cat and Dog Shelter* | Nathan Thomas Schneider |
| 27 | 40491 | *Work in progress: Co-creation of Teaching Team Competencies and Values* | Tanya M. Nocera |
| 28 | 40585 | *Humanoid Greeting Robot for Interaction with Prospective Students and Parents* | Khalid S. Al-Olimat, Logan Martin Reichling, Daniel Siotkowsky, Xiangyi Cheng, Matthes N. Opara, Sylvia Marie Fill, & Joseph M. D’Alessandri |
| 29 | 40586 | *Buckling Pneumatic Cylindrical Actuator to Generate Torsional Motion* | Cara Luallen, Hunter Yuri Cindric, & Derek Breid |