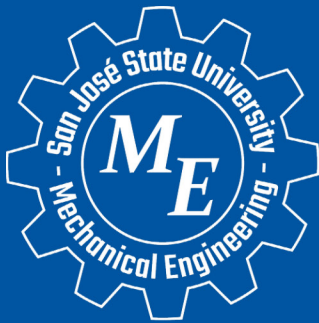


SAN JOSÉ STATE UNIVERSITY



Mechanical Engineering

NEWSLETTER

We are the gear of tomorrow

2023



CHARLES W. DAVIDSON
COLLEGE OF ENGINEERING



Message from the Chair

Vimal Viswanathan

Associate Professor & Chair

Dear ME alumni,

Greetings from the ME Department! This is the 2023 edition of our annual alumni newsletter! We are excited to bring the news and updates from the ME department to you. We have had a busy academic year, with more than 80% of our classes back to face-to-face instruction mode. Currently, only selected classes are offered in virtual modality due to pedagogical reasons. Our faculty, staff, and students are excited to be back on campus and be part of this vibrant community.

In May 2022, we organized our Alumni Recognition and Scholarship Awards Night in a new format. This event featured the “Distinguished Alumnus of the Year” award, Scholarship Awards, and a first-ever “Senior Project of the Year” competition where our alumni got a chance to vote for their favorite senior project. This event was a massive success, with more than 100 attendees. Daniel Bolin of Bojo Tools was the first recipient of our distinguished alumnus award.

Following the success of the 2022 event, we are excited to announce our 2023 Alumni Recognition and Scholarship Awards Night to be held on May 11th (Thursday) from 6 to 9 pm in Student Union 1A/1B. This year, we have increased the scale of the event and hope you can join us for this celebration. This is an occasion for us to celebrate our alumni and donors; your support is critical for the success of this event. We proudly announce that Mr. Mark Pasquale, Vice President, and General Manager at Lockheed Martin Space, will be our Distinguished Alumnus of the Year. At the celebration, Dean Sheryl Ehrman will present this award to Mark.

We would also like to request your support! Please consider donating to the Mechanical Engineering Department. Your donations will support the maintenance of lab equipment, student projects, publications, student and faculty professional development, and updating our learning spaces to match the needs of the current generation of students. You may use the link of QR code below to send your donations directly.

Beyond money, you can give back to the ME department by supporting our student projects at the undergraduate and graduate levels. We are always looking for your technical expertise and guidance to help our current students. We want to keep in touch with you – please keep us posted about your career trajectory through out [LinkedIn](#), [Facebook](#), or Email (mechanical-engineering@sjsu.edu).

Yours truly,
Dr. Vimal Viswanathan, ME Department Chair



Alumnus of the Year

Mark A Pasquale

Vice President and General Manager
Lockheed Martin Space



Mark A. Pasquale is the Vice President and General Manager for Lockheed Martin Space, a \$12B company providing end to end mission, space and missile systems to the US Department of Defense, NASA and Commercial Companies. In this senior role, he drives day-to-day execution at the enterprise level, motivating positive impact in cost and performance at the company and for its customer missions.

Mark began his career at Lockheed Martin directly after graduating from San Jose State as a mechanisms designer on the MILSTAR Air Force Communications program and has held successive positions of increasing leadership over his career.

Mark earned his Bachelor's degree in Mechanical Engineering from San Jose State University in 1984. Mark is the Chair of the San Jose State Engineering Department Industry Advisory Board and is also a Department Advisory Council (DAC) member of the ME department. Previously he served over 10 years on the San Jose State MESA Engineering Industry Advisory council. He is a recipient of the San Jose State University College of Engineering Distinguished Alumni Award, and is a member of the Silicon Valley Engineering Council Hall of Fame.

Staff Recognition

Lydie Rashel



It is with great pleasure that we recognize Lydie Rashel, the Administrative Analyst from the Mechanical Engineering Department of San Jose State University, for her exceptional work and dedication. Lydie was recently awarded an honorable mention in the "Staff of the Year" category by SJSU, a well-deserved recognition of her hard work and contributions.

Lydie joined the ME department in the Fall of 2018 and quickly became an integral part of the team. Her dedication to her work, her colleagues, and students is unparalleled, and she has played a key

role in ensuring the smooth running of the department during a leadership transition. Lydie's tireless efforts have not gone unnoticed, and her colleagues speak highly of her work ethic and positive attitude.

For Lydie, the ME department is more than just a workplace; it is a family. She takes pride in being a part of this family and is always willing to go the extra mile to help her colleagues and students. Her commitment to excellence and her unwavering support for her team is truly inspiring.

Lydie's contributions to the ME department have not only been invaluable but have also set a high standard for excellence. We are proud to have her as a member of our team and are thrilled to see her receive this well-deserved recognition. Congratulations to Lydie for this outstanding achievement, and we look forward to seeing her continue to make a positive impact in the ME department and beyond.

Stay Connected!

If you are looking for a way to stay up to date with what's new from the Mechanical Engineering Department or looking for labs information.

Scan the QR Code or visit linktr.ee/sjsu.mechanical.engineering and connect with us!



Spartan Racing's Success Continues!

Spartan Racing, San Jose State University's Formula SAE® team, made waves at the June 2022 competition at Michigan International Speedway, with the team fielding cars in both the Electric (EV) and Internal Combustion (IC) classes. In the IC class, SJSU finished 4th overall, edging UCLA's entry to be the top California team, and in the EV class, SJSU finished 8th overall, and again was the top California team in class, besting prestigious universities including University of Pennsylvania, University of Washington, Purdue University, and M.I.T.

“In 2019, the team announced a three-year plan to merge what had been separate electric and internal combustion teams, first with two separate car designs, and by the third year sharing as many components as possible, including the chassis, suspension, body and aero components.”, says Jason Do (M.E. 2022), the team's student chief engineer for the 2022 competition. “While the challenges with COVID were significant, we got support from the faculty, and put procedures in place to keep everybody healthy while designing, building and testing the cars.”



The team is now hard at work finishing a new car for the EV class competition that will take place June 14-17, 2023, at Michigan International Speedway. “We decided after the 2022 competition to end our participation in the Internal Combustion class on a high and focus on Formula SAE® Electric.”, says Ashwin Viswesvaran, 2023 student chief engineer. “Like the auto industry, we realize that EVs are the future.”

In the fourteen years that SJSU has fielded a team, it has earned respect from employers that actively recruit from top teams. In recent years, graduates have gone on to jobs with automotive manufacturers and suppliers including Bosch, Tesla, Nissan Research, Rivian, and Lucid. Others are in engineering roles working on state-of-the-art medical devices, and a sizeable contingent of SJSU alumni are at SpaceX. Others are at NASA, and Raytheon Missiles and Defense. While the majority of team members are mechanical and aerospace engineering, with the rapidly evolving EV class, computer engineering and software are increasingly important.



“The team has a two-part mission.”, says Harry Quackenboss, Mechanical Engineering professor and team advisor, “Number one, finish high at competition, because that gets students unique visibility with employers, and you can only do that if you work as a team to convince companies which provide most of the funding, and design and build a great car. Second, leave the team in better shape than when you took it over. To do that, you have to document and transfer know-how to those following in your footsteps.”

Formula SAE® competition is a part of SAE International’s University Programs, where students design, build, and compete in small Formula-type cars. Competition events are multi-day affairs and include driving events to test acceleration, cornering, and braking, in safety-first, single car timed events, along with judging of each team’s engineering knowledge, design, and fabrication skills. The top teams build a new car every year, planning and analyzing areas for improvement over the previous year’s design. To do all this between the Fall term and competition in June requires dedication, creativity, and teamwork. You can follow SJSU Spartan Racing at <https://www.sjsuformulasae.com/>, and you can learn more about Formula SAE® at SAE International’s website <https://www.sae.org/attend/student-events>.

ME News & Updates

- Among non-doctoral institutions, our Mechanical Engineering program ranked #4 among public universities and #14 overall (excluding service universities). We are very proud of our students and faculty for their hard work to achieve this status!
- Dr. Farzan Kazemifar's review paper on carbon capture, sequestration, and utilization technologies (<https://lnkd.in/g/FESXyC9>) has been recognized as a top-cited paper in the Journal of Greenhouse Gases: Science and Technology.
- Faculty, staff, and students from the ME department organized an HVAC Industry Mixer in March 2023. Several Bay Area HVAC companies including Therma, Southland Industries, ICOM Mechanical Inc., and Western Allied Mechanical have participated in the event.
- A recent press release from the Department of Energy (DOE) announced that SJSU+SFSU+SDSU will establish a Center of Excellence IAC covering the western U.S. with Drs. Farzan Kazemifar and Crystal Han.
- ME Department alumnus, Mrs. Jean Moore Crook, the first female graduate of engineering program, passed away on June 24th, 2022. Her career and journey as a woman in a predominantly male environment was exemplary.



On Feb 22, SJSU's new president Dr. Cynthia Teniente-Matson checked out our FSAE team. From the left, we have Damion Chau, Alyssa Froelich, President Teniente-Matson, Clarence Choi, Ashwin Viswesvaran, Patrick McGowan, and Aaron Hylton.

New Industrial Assessment Center Opens!

The Industrial Assessment Center at San Jose State University (SJSU) was recently launched with the aim of providing valuable services to small and medium-sized manufacturing businesses. The center was founded in 2022, and it is funded by the US Department of Energy (DOE) Office of Manufacturing and Energy Supply Chain (MESC) through a \$1.4M grant that spans over a four-year period. The founding director of the center is Dr. Farzan Kazemifar, Assistant Professor and Associate Chair of the Department of Mechanical Engineering (ME), with Dr. Crystal Han (Assistant Professor, ME) and Dr. Anil Kumar (Associate Professor, ISE) as assistant directors.

The SJSU IAC is geared towards fulfilling two primary objectives: training the next generation of energy engineers and helping small/medium manufacturing businesses lower their energy costs and reduce their carbon footprint.

The IAC team at Annie Glass Factory in Watsonville, CA.



From left to right: Erik Wolfl, Ann Morhauser, Logan Olson, Dr. Farzan Kazemifar, Dr. Anil Kumar, Austin Quach, Matthew Broyles

A team of faculty and students from the center visits local (up to ~150 miles from San Jose) manufacturing plants to assess their energy usage and identify ways in which they can reduce their energy costs and environmental impact. The team conducts a thorough analysis of the plant's energy usage and makes recommendations based on the findings. These recommendations may include

include upgrading machinery, optimizing manufacturing processes, and adopting more energy-efficient practices.

The IAC team's assessments are carried out using specialized measurement instruments and software tools that help them identify areas where energy savings can be made. The team also takes into consideration the plant's unique characteristics, such as the size of the operation, the type of products manufactured, and the plant's overall energy usage. The team then provides a detailed report to the plant's management outlining their findings and recommendations.

The SJSU IAC provides an excellent opportunity for students to gain practical, hands-on experience in the field of energy engineering. Students working with the center receive training in energy assessment techniques, data analysis, and communication skills. They are also able to work on real-world projects, which helps them to develop valuable problem-solving skills and gain experience working in a team.

For small and medium-sized manufacturing businesses, the services provided by the SJSU IAC can be a game-changer. By adopting the recommendations made by the center, these businesses can reduce their energy costs and improve their overall sustainability. This not only benefits the environment but also makes these businesses more competitive in their respective industries. In conclusion, the Industrial Assessment Center at San Jose State University is a valuable resource for both students and small/medium manufacturing businesses. With its focus on energy assessments and sustainability, the center is helping to train the next generation of energy engineers while also providing practical solutions to businesses looking to reduce their environmental impact and improve their bottom line.

Research at Thermo-Fluids CompleXity Laboratory (TFX Lab)

Our communities are facing unprecedented challenges from the changing climate and the ever-increasing demand for resources such as food, water, shelter, and energy. Although the complexity of these problems seems to grow over time, the recent advances in science and engineering, the extended availability of data, and the remarkable progress in computational and data-driven modeling methods show a promising and mature potential for reliable solutions. Our primary research and teaching goals at Thermo-Fluids compleXity Laboratory (TFX Lab) are to further our fundamental understanding of transport phenomena in problems revolving around fluid and fire dynamics and leverage this knowledge to engineer resilient and sustainable solutions that are crucial for facing future challenges. To meet the needs of a fire-resilient community in re-

sponse, mitigation, preparedness, and recovery stages, TFX is actively working on projects that aim to better understand both fire behavior and fire impacts.

One of the notable projects is modeling the generation and transport of firebrands to simulate firebrand shower scenarios at landscape scales. Firebrand shower, that is, the generation, transport, and spot fire ignition of secondary fires far ahead of the fire front due to accumulation of embers, is the fastest and most complex wildfire spread mechanism responsible for more than 50% of the losses in Wildland Urban Interface (WUI) areas. We are developing an in-house multi-physics model to simulate this phenomenon and better understand its contributions to the overall fire behavior at large spatiotemporal scales; see Figure 1. Additionally, we are working on characterizing the extended impacts of wildfires on the environment, such as watersheds and water quality, and the role of wildfire smoke as an agent of biological dispersal; see Figure 2. This research will inform questions about microbial gene flow, microbial pathogen epidemiology, and meteorological processes and will expand the fundamental understanding of fire's ecological significance. Both projects are being support-

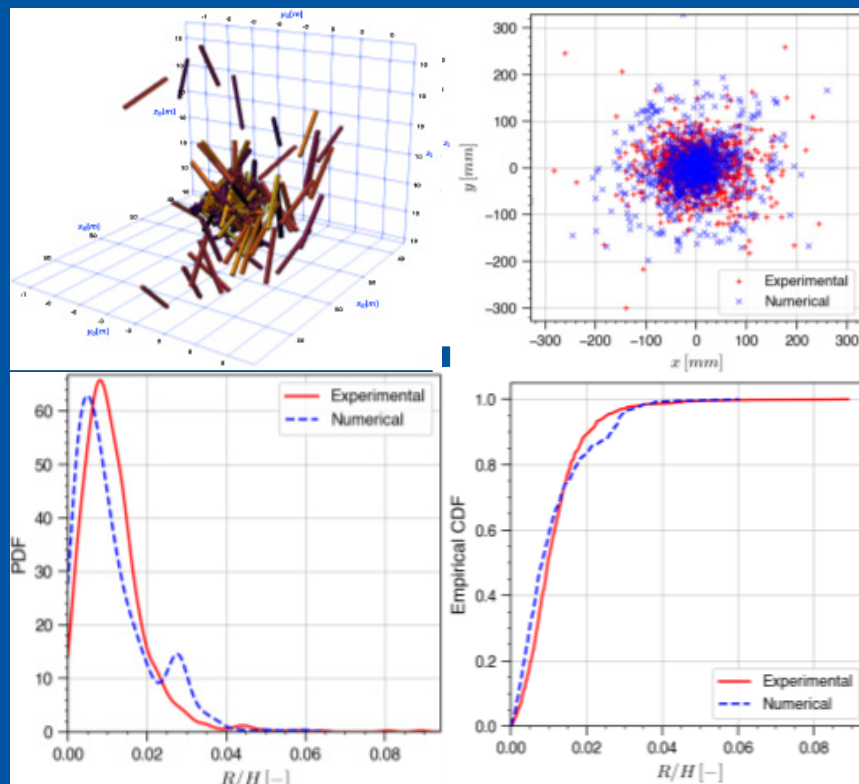


Figure 1. Validation of the firebrand transport code with experimental drop experiments; the developed code is capable of predicting the average statistics of the landing distributions up to second-order statistical moments.

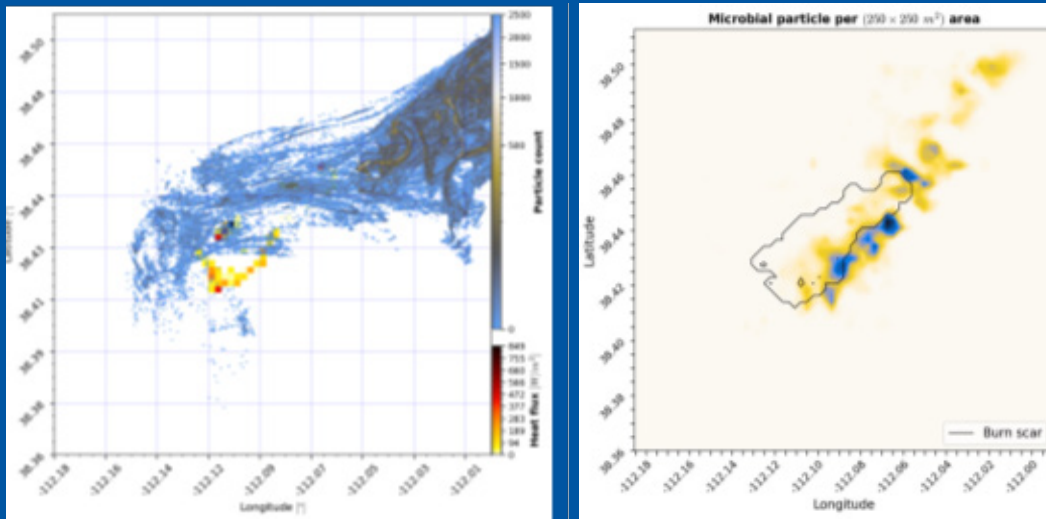
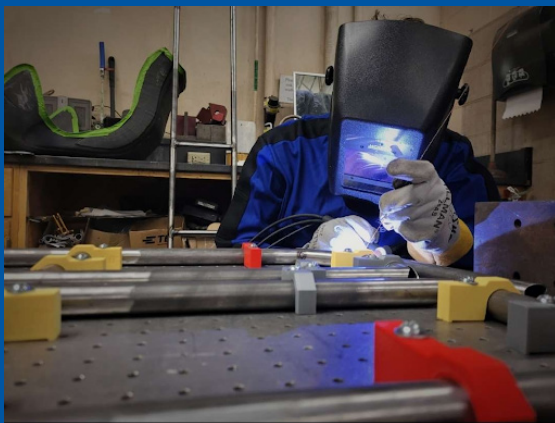


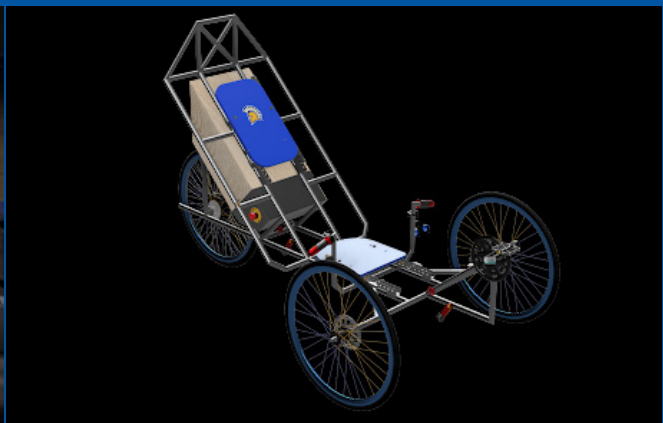
Figure 2. The aggregate spatial distribution of the microbial particle (cell) counts at one simulation timestamp (left) and the deposited cell through the entire simulation time (right). Modeled particle distribution is normalized to numbers of microbial cells using derived microbial emission factors and the measured fuel consumption during a ~1000-acre prescribed fire in the Fishlake National Forest, Utah.

ASME: SJSU Recumbent Bike Exhibition Day

The American Society of Mechanical Engineers student section here at San Jose State University is putting together a two day event at the end of this month where multiple teams from universities across the West Coast will be bringing hybrid recumbent bikes to race in an endurance competition.



Michael Kamas at work welding the HPV frame



A 3-D rendering of the HPV

The endurance competition is a 2 hour and 30 minute race around a custom track at SJSU's South Campus Park and Ride Parking Lot. This will be a rigorous course involving numerous obstacles such as slalom turns, a parcel pickup, and a rumble strip. Teams will be scored on their total lap times and deducted for any faults made. Teams will also be presenting on the advance designs they virtually conceptualize their project. This includes, but isn't limited to structural analysis, custom fairing designs, and manufacturing processes.

The event also includes programmatic content on the second day including presentations from Autodesk and the ASME Santa Clara Valley Section. If you're interested in checking out this event, feel free to check out our SJSU ASME Student Sections' website at <https://sanjosestateasme.weebly.com/event.html> or email the event planner at tyler.erwin@sjsu.edu.

New External Grants in the Department

1. A New Method for Additive Manufacturing of Silicon Carbide Parts with Superior Properties, Lam Research Unlock Ideas, \$50,000, 2022 (PI: Amir Armani).
2. Investigating Driver Safety in the Age of Autonomous Vehicles using Wearable Haptic Robots, \$25,000, Honda Research Foundation, June 2023 - July 2024. (PI: Lin Jiang)
3. Developing a Human-in-the-Loop Teleoperated Robotic System with Haptic Feedback for Cross-campus Collaborative Research, NSF KIND alliance Seed Grant, \$5,000, Aug. 2022 - July 2023. (PI: Lin Jiang).
4. Battery State-of-Health Estimation and Extension in Microgrid Operation, Grid-scale Solutions, \$50,000, 2022. (PI: Saeid Bashash).

Recent Publications from ME Faculty

Journal Articles

1. Machado*, M. D., Viswanathan, V., 2023, "Design and Characterization of a Single Lever Bicycle Brake with Hydraulic Pressure Proportioning," Applied Sciences, 13, 1767, DOI: [10.3390/app13031767](https://doi.org/10.3390/app13031767).
2. Dei Rossi*, J., Keles, O., and Viswanathan**, V., 2022, "Fused Deposition Modeling with Induced Vibrations: A Study on the Mechanical Characteristics of Printed Parts," Applied Sciences. 2022; 12(18):9327. <https://doi.org/10.3390/app12189327>

3. Pham*, H.; Bandaru*, A.P.; Bellannagari, P.; Zaidi, S.; Viswanathan**, V., 2022, "Getting Fit in a Sustainable Way: Design and Optimization of a Low-Cost Regenerative Exercise Bicycle," *Designs*, 6 (3), pp. 59, DOI: <https://doi.org/10.3390/designs6030059>.
4. .S Choppala*, Z Fang*, A Allam*, A Armani, "Next Generation of Advanced Ceramic 3D Printers," *Future Technology* 2, 36-42, 2023.
5. P Nayak*, A Armani, "Optimal Design of Functionally Graded Parts," *Metals* 12 (8), 1335-1371, 2022.
6. Tran T.,* Amirkulova F., Khatami E. Broadband acoustic metamaterial design via machine learning. *J. Theoretical & Comp. Acoustics*, 30 (3), 2240005 (2022); <https://doi.org/10.1142/S2591728522400059>
7. Amirkulova F., Gerges S. and Norris N., Broadband acoustic lens design by reciprocity and optimization. *JASA Express Lett.* 2, 024005 (2022); <https://doi.org/10.1121/10.0009633>
8. Amirkulova F., Zhou L.,* Abbas A.,* Lai P.,* Qiu C.,* Shah T.* Acoustic metamaterial design framework using deep learning and generative modeling. *J. Acoust. Soc. Am.*, 151 (4), A253-A253, 2022, <https://doi.org/10.1121/10.0011233>
9. Lai P.,* Amirkulova F. Acoustic metamaterial design using Conditional Wasserstein Generative Adversarial Networks. *J. Acoust. Soc. Am.*, 151 (4), A253-A253, 2022, <https://doi.org/10.1121/10.0011234>
10. Shah T.,* Amirkulova F. Reinforcement learning for acoustic metamaterial design. *J. Acoust. Soc. Am.*, 151 (4), A255-A255, 2022, <https://doi.org/10.1121/10.0011239>
11. Qiu C.,* Abbas A.,* Amirkulova F. Pentamode metamaterial design via generative modeling and deep learning. *J. Acoust. Soc. Am.*, 151 (4), A255-A255, 2022, <https://doi.org/10.1121/10.0011241>
12. . Shah T.,* Amirkulova F. Deep reinforcement learning-based framework for the design of broadband acoustic metamaterials. *J. Acoust. Soc. Am.*, 152 (4), A170-A170 2022; <https://doi.org/10.1121/10.0015914>
13. Amirkulova F., Gerges S., Dabhade V. Broadband acoustic lens design using gradient-based
14. Yuying Li, Marlenne Lozano Valadez, David Pena, Ish K. Gulati, Lin Jiang, "Smart-Lac8: A Bio-inspired Robotic Breast Pump for Customize and Comfort Milk Expression", *Biomimetics*, accepted for publication, April 2023.
15. Lysette Zaragoza, Joshua Billman, Eric Barlog, Gaojian Huang, Etu-Egbe Etu, Lin Jiang, "A Cost-Effective and Smart Sensing Tissue-like Test Bed for Surgical Training", *McNair Scholar Journal*, in-print, May 2023.
16. Liang Ding, Hongjun Xing, Ali Torabi, Javad K. Mehr, Mojtaba Sharifi, Haibo Gao, Vivian K. Mushahwar, Mahdi Tavakoli, Intelligent assistance for older adults via an admittance-controlled wheeled mobile manipulator with task-dependent end-effectors, *Mechatronics*, Volume 85, 2022, pp. 102821.

Refereed Conference Articles

1. Bellannagari, P., Zaidi, S., and Viswanathan, V., 2022, "Design of a Biochair to Facilitate Leg Muscles Rehabilitation," *IEEE-EMBS Conference on Biomedical Engineering and Sciences*, Kuala Lumpur, Malaysia.

2. Fusilero*, P., Reyes*, A., Trejo*, R., Viswanathan**, V., Madireddy, I., Vemuri, A., and Zaidi, S., 2022, "The Design Evolution of a Lower Extremity Exoskeleton Device for Leg Muscle Rehabilitation," ASME International Mechanical Engineering Congress and Exposition (IMECE), Columbus, OH.
3. Weaver, M., Merzdorf, H., Jaison, D., Viswanathan, V., Douglas, K.A., Hammond, T., and Linsey, J., 2022, "Sketchtivity, an Intelligent Sketch Tutoring Software: Broadening Applications and Impact," ASEE Annual Conference, Minneapolis, MN.
4. Wang WC.,* Amirkulova F. The 2D-Global optimization networks (2D-GLO-nets) model for acoustic metamaterial design. Proceedings of ICA2022; the 24th International Congress on Acoustics, ICA2022, Gyeongju, Korea, October 24 to 28, 2022, paper#ABS- 0961, pp. A16: 120-129
5. Amirkulova F., Lai P.,* Soto D.* (invited) Design of acoustic metamaterials using conditional Wasserstein generative adversarial networks. Proceedings of ICA2022; the 24th International Congress on Acoustics, ICA2022, Gyeongju, Korea, October 24 to 28, 2022, paper# ABS- 0948, pp. A16:112-119.
6. Abbas A.,* Qiu C.,* Amirkulova. Deep learning assisted pentamode metamaterial design. Proceedings of ICA2022; the 24th International Congress on Acoustics, ICA2022, Gyeongju, Korea, October 24 to 28, 2022, paper# ABS-0965, pp. A16:130-133
7. Amirkulova F., Gerges S., Norris A. (invited) Broadband acoustic lens design using gradient-based optimization. Proceedings of ICA2022; the 24th International Congress on Acoustics, ICA2022, Gyeongju, Korea, October 24 to 28, 2022, paper# ABS-0959, pp. A16:177-184.
8. Wang* WC., Amirkulova F. Generative Modeling and Reinforcement Learning for Acoustic
9. L. G Oka, K. Stillmaker, S. Rosser, A. Sadrinezhad, M. Nazari, Y. Park, K. Abercromby, and F. Amirkulova. Investigating tenure experiences of foreign-born women faculty in engineering at the California State University system. ASEE Annual Conference and Exposition, Minneapolis, Minnesota, USA. June 26-29 2022, Paper ID 37802, NSF-PAR ID: 10346114, 12 pages, 2022, <https://par.nsf.gov/biblio/10346114>
10. Keegan Lammert, Gaojian Huang, Egbe Etu-Etu, David Quintero, Lin Jiang, "Human-Centered Design: A Haptic Robotic-Based Leader-Follower Driving Training System to Improve Driving Skills and Enhance Safety", in Proceedings of HFES (Human Factors and Ergonomic Society) 67th International Annual Meeting, Washington, DC, Oct 23-27, 8 pages, 2023.
11. Lin Jiang and Ish Kumar Gulati, "Breastfeeding limitations in a Trisomy 21 infant-Comparing the effects of oral biomechanics during nursing with term normal infants", in Proceedings of 31th Dysphagia Research Society (DRS) Annual Meeting, San Francisco, CA, 5 pages, Feb 2023.
12. Marlene Valadez, David Pena, Yuying Li, Jacob Pena, Aaditya Avadhani, Lin Jiang, "A Low-cost Deformable and Flexible Piezoelectric Tactile Sensor for Wearable Devices", in Proceedings of California State University's Program for Education and Research in Biotechnology (CSUPERB) 23 Symposium, Santa Clara, CA, Jan 2023.

13. Likhitha Yelamanchili, Egbe-Etu Etu, Lin Jiang, "A Social Media Analysis of the Prevalence of COVID-19 on Public Transit Ridership in the United States", Australian Conference on Industrial Engineering and Operations Management, Sydney, Australia, Best Paper Award, 6 pages, December 20-22, 2022.
14. Yuying Li, Marlene Valadez, Ish Kumar Gulati Lin Jiang, "A Bio-inspired Breast Pump with Soft Pneumatic Actuators to Simulate Infant's Oral Patterns in Breastfeeding", in Proceedings of Biomedical Engineering Society Annual Meeting, San Antonio, TX, October 2022.
15. S. Bashash, "Recursive Least Squares Estimation of Battery Charge Capacity and State of Charge", Proceedings of the Interdisciplinary Conference on Mechanics, Computers, and Electrics (ICMECE), Barcelona, Spain, Oct.2022.
16. S. Meszaros and S. Bashash, "Optimal Electric Vehicle Braking Control for Maximum Energy Regeneration," To appear in the proceedings of the 2023 American Control Conference, San Diego, CA, May-June 2023.
17. Pouria Faridi, Javad K. Mehr, Don Wilson, Mojtaba Sharifi, Mahdi Tavakoli, Patrick M. Pilarski, Vivian K. Mushahwar, "Machine-learned Adaptive Switching in Voluntary Lower-limb Exoskeleton Control: Preliminary Results," International Conference on Rehabilitation Robotics (ICORR), Rotterdam, Netherlands, 2022, pp. 1-6, doi: 10.1109/ICORR55369.2022.9896611.

Donate now to support the Mechanical Engineering Department

As a leading institution in engineering education, we strive to provide our students with best resources and opportunities to succeed. Your generous donation will help us to fund vital programs and initiatives that will benefit our students. including scholarships. research projects, equipment upgrades, and empower the next generation of innovators and problem-solvers.

We believe that every student deserves the chance to pursue their dreams and achieve their full potential, and with your support, we can make this a reality.



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Every contribution counts!

Giving to SJSU

Thank you for considering a donation to the SJSU Mechanical Engineering Department. Your contribution will make a real difference in the lives of our students and help us to continue providing a world-class education.

The Mechanical Engineering Department invites you to the upcoming

Alumni Recognition & Scholarship Awards Night

This special event is being held to honor our generous donors, celebrate our scholarship recipients, recognize and award our Alumni of the Year, and vote for the Senior Project Competition.

May 11th, 2023 - 6 PM to 9 PM
SJSU Student Union - Room 1A/1B

RSVP

Space is limited.

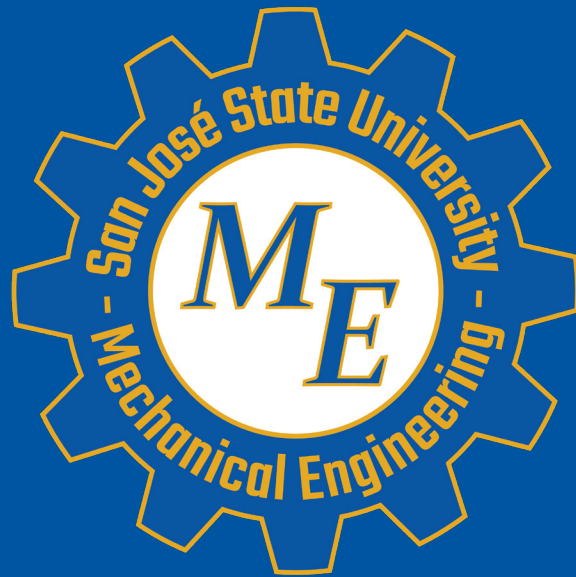
We kindly ask you to RSVP by April 28th.



Scan the QR code and fill out the form to guarantee your spot, dinner will be provided.

[Or RSVP here.](#)





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