



The Spring 2024 Faculty Spotlight is on...

## Dr. Yue Luo



Dr. Yue Luo joined San José State University (SJSU) in Fall 2023, as an Assistant Professor in the Department of Industrial and Systems Engineering (ISE). Currently, she is the lab director for the Biomechanics, and Ergonomics in Environment-Persons Interaction and Collaboration Laboratory (BE-EPIC) Lab. Dr. Yue Luo received her Ph.D. degree in ISE from the University of Florida in 2023. She also received her master's degrees in Biomedical Engineering (BME) and Industrial and Operations Engineering (IOE) from the University of Michigan in 2017 and 2019, respectively. Her research focuses on human-centered evaluation in multi-agent systems. This includes assessing physical and physiological interactions between non-human agents (e.g., robotic arms, autonomous vehicles, etc.) and human participants from diverse demographics (e.g., older adults, students with learning disability, etc.) using wearable technologies (e.g., virtual reality system, inertial sensors, etc.).

During her first year at SJSU, Dr. Luo integrated her expertise in human factors and data analytics across educational and research domains. Students in her classes, both undergraduate and graduate, gained a solid grasp of the fundamentals and advancements in probability, statistical analysis, and experimental design, crucial for a human-centered engineering approach. Her research passion for human-robot interaction, inclusive design, and occupational safety led to the submission of two articles and two conference proceedings in these fields. Based upon the efforts of Dr. Luo and her wonderful students, the research group secured three research grants from 1) Mineta Transportation Institute (funding source: U.S. Department of Transportation), 2) SJSU Research Foundation (VPRI Teaming Award), and 3) Charles W. Davidson College of Engineering (Small Group Project). Dr. Luo and her team are dedicated to forging ahead in these areas of research, aiming to contribute more to SJSU and the surrounding community.

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Dr. Luo also dedicated herself to contributing to the department, college, university, and the professional community through her efforts. As a committee member of the SJSU College of Engineering Research Committee, she reviewed and recommended more than five students and more than five faculty candidates for different levels of fellowship and grants. She also served as a track chair for an international conference (i.e., IEEE 4th International Conference on Human-Machine Systems), and the newsletter editor for the aging technical group (ATG) of the International Human Factors and Ergonomics Society (HFES). She has also been elected as the chair-elect for the ATG group next year. In addition, Dr. Luo also consistently makes contributions to the professional community, evidenced by her reviews of more than ten articles across seven international journals from publishers like IEEE, Springer, Elsevier, and MDPI.

In her personal life, Yue enjoys hiking in her free time. She aspires to leash-train her sweet little cat and take her for walks, hopefully in the near future. Additionally, she enjoys attending crowded events such as concerts and shows.