

JIAHE WANG

Arizona State University, Tempe, AZ 85281, USA

jwang810@asu.edu | (480)616-9467 | <https://kokohekmaytar.github.io/jiahewang/>

RESEARCH

Soft robots; Physics-informed data-driven modeling; Real-time control

EDUCATION

Ph.D. Mechanical Engineering Advisor: Dr. Jiefeng Sun <i>Arizona State University</i>	2024 - Present <i>Tempe, USA</i>
M.S. Mechanical Engineering Advisor: Prof. Delun Wang <i>Dalian University of Technology</i>	2021 - 2024 <i>Dalian, China</i>
B.S. Mechanical Engineering (with distinction) <i>Dalian University of Technology</i>	2017 - 2021 <i>Dalian, China</i>

HONOR AND SELECTED AWARDS

ASU JumpStart Research Grant (\$ 750)	2025, 2026
ASU GPSA Research Grant (\$ 750)	2025

PUBLICATIONS

Journal Articles

2. J. Wang, E. Ristich, E. Weissman, Y. Ren and J. Sun, "Data-Efficient Real-Time Control of an Artificial-Muscle-Driven Continuum Robot With Physics-Informed Koopman Operator," in *IEEE Robotics and Automation Letters*, vol. 11, no. 4, pp. 5080-5087, April 2026. [\[PDF\]](#)
1. J. Wang, E. Ristich, S. H. Ali, E. Weissman, L. Zhang, W. Jin, Y. Ren and J. Sun, "Real-time Shape Control of Multi-segment Soft Robotic Arms Using Koopman Operators with Global and Local Observation," under review for *IEEE Transactions on Robotics* (T-RO).