YUXUAN LI

EDUCATION

University of California, Los Angeles *2019-Present*
Ph.D. in Mechanical Engineering. major: Fluid Mechanics
Shanghai Jiao Tong University *2015-2019*
B.S. in Aeronautics and Astronautics.

JOURNAL PUBLICATIONS

1. Li, Yuxuan, Jeff D. Eldredge, Adrienne S. Lavine, Timothy S. Fisher, and Bruce L. Drolen. "A Conjugate Heat Transfer Model of Oscillating Heat Pipe Dynamics, Performance, and Dryout." *under review (minor revision) by International Journal of Heat and Mass Transfer* (2024).
2. Li, Y., Z. Wang, B. Yu, B. Zhang, and H. Liu. "Gaussian models for late-time evolution of two-dimensional shock–light cylindrical bubble interaction." *Shock Waves* 30, no. 2 (2020): 169-184.

CONFERENCES AND PRESENTATIONS

1. Li, Yuxuan, Jeff Eldredge, Adrienne Lavine, Timothy Fisher, and Bruce Drolen. *"Estimating thermofluid system parameters using a Markov chain Monte Carlo method, with an example of oscillating heat pipes."* 76th Annual Meeting of the Division of Fluid Dynamics, Washington D.C., USA (2023).
2. Li, Yuxuan, Zachary Wong, Jeff D. Eldredge, Timothy S. Fisher. "Empirically Trained Models of Oscillating Heat Pipes for Improved Performance, Limits, and Control" 2023 Spacecraft Thermal Control Workshop, Torrance, USA (2023)
3. Li, Yuxuan, Jeff Eldredge, Adrienne Lavine, Timothy Fisher, and Bruce Drolen. "Thermofluid modeling of an oscillating heat pipe." The 17th Southern California Flow Physics Symposium, San Diego, USA (2023).
4. Li, Yuxuan, Jeff D. Eldredge, Adrienne S. Lavine, Timothy S. Fisher, and Bruce L. Drolen. "A data assimilation model of oscillating heat pipe dynamics and performance." Joint 21st International Heat Pipe Conference and 15th International Heat Pipe Symposium, Melbourne, Australia (2023).
5. Li, Yuxuan, Jeff Eldredge, Adrienne Lavine, Timothy Fisher, and Bruce Drolen. "Thermofluid modeling of an oscillating heat pipe." 75th Annual Meeting of the Division of Fluid Dynamics, Indianapolis, USA (2022).
6. Li, Yuxuan, Jeff Eldredge, Adrienne Lavine, Timothy Fisher, and Bruce Drolen. "Thermofluid modeling of an oscillating heat pipe." The 16th Southern California Flow Physics Symposium, Los Angeles, USA (2022).

AWARDS

- UCLA Mechanical and Aerospace Engineering Department Fellowship *2019-2023*
- SJTU Outstanding Graduate *2019*
- UCLA-CSST Scholarship ($\sim$ 5000$) *2018*

TEACHING EXPERIENCE

University of California, Los Angeles

- Teaching Assistant of MAE150A: *Intermediate Fluid Mechanics*

SERVICE

Reviewer of **ASME Journal of Heat and Mass Transfer**