

YUXUAN LI

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EDUCATION

University of California, Los Angeles 2019-2024
Ph.D. in Mechanical Engineering. Major: Fluid Mechanics GPA: 4.0/4.0
Thesis Advisors: Jeff Eldredge and Adrienne Lavine

Shanghai Jiao Tong University 2015-2019
B.S. in Aeronautics and Astronautics. GPA: 3.7/4.0

APPOINTMENTS

Simerics Inc., Novi, MI, USA
Project Engineer 2024-

JOURNAL PUBLICATIONS

1. Yuxuan Li, 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.**” *International Journal of Heat and Mass Transfer* 227 (2024): 125530.
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

Oral:

1. Yuxuan Li, 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. Yuxuan Li, 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. Yuxuan Li, 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).
4. Yuxuan Li, 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).

AWARDS

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

TEACHING EXPERIENCE

University of California, Los Angeles

- Teaching Assistant of *Intermediate Fluid Mechanics* for undergraduate students

REVIEWER EXPERIENCE

Reviewer of *ASME Journal of Heat and Mass Transfer*, *International Journal of Thermal Sciences*