

Dr. Zhaorui Li

Texas A&M University-Corpus Christi
Science & Engineering, Engineering

Office: Engineering Building 316R, Office Phone: (361) 825-4170, Email: zhaorui.li@tamucc.edu

Education

PhD, Michigan State University, 2008.

MS, Beijing University of Aeronautics & Astronautics, 2002.

BS, Beijing University of Aeronautics & Astronautics, 1999.

Licensures and Certifications

Certificate of Professional Development in Best Practices for Online Course Design, Texas A&M University-Corpus Christi. (2016 - Present).

Professional Employment

Assistant Professor, Texas A&M University-Corpus Christi. (August 2015 - Present).

Postdoctoral Research Associate, Los Alamos National Laboratory. (October 2012 - August 2015).

Research Associate, Michigan State University. (September 2008 - September 2012).

Professional Memberships

American Physical Society
American Institute of Aeronautics and Astronautics

TEACHING

Teaching Experience

ENGR 2316, THERMODYNAMICS
ENTC 3420, THERMODYNAMICS

SCHOLARLY AND CREATIVE ACTIVITIES

Publications

Refereed

Conference Proceedings

Livescu, D., Li, Z. (2016). *Subgrid-scale analysis of turbulence after the shock turbulence interaction.*

Livescu, D., Li, Z. *Subgrid-scale backscatter after the shock-turbulence interaction* (pp. 5). Proceedings of the 19th Biennial APS Conference on Shock Compression of Condensed Matter.

Journal Articles

Fang, J., Yao, Y., Zheltovodov, A., Li, Z., Li, L. Direct Numerical Simulation of Supersonic turbulent flows around a tandem expansion-compression corner. *Physics of Fluids*, 27(12), 28.

Presentations

Tian, Y. (Author & Presenter), Jaber, F. (Author), Livescu, D. (Author), Li, Z. (Author), "Shock-Capturing Simulations of Multi-Fluid Shock-Turbulence Interactions," APS 69th Annual DFD meeting, American Physical Society, Portland, Oregon. (November 21, 2016).

Gao, T. (Author & Presenter), Li, Z. (Author), "Self-Driven Droplet Powered By Active Nematics," APS 69th Annual DFD meeting, American Physical Society, Portland, Oregon. (November 20, 2016).

Li, Z. (Author & Presenter), Livescu, D. (Author), "Direct Numerical Simulations of Immiscible Rayleigh-Taylor Instability," APS 68th Annual DFD meeting, APS, Boston, Massachusetts. (November 22, 2015).

SERVICE

Department

University Library Liaison. (May 2016 - Present).
Committee Member, Lecture Committee. (September 2015 - Present).
Committee Member, Thermo-Fluid Curriculum Committee. (September 2015 - Present).
Faculty Mentor, Islander Day. (October 2015).

Professional

Editor, Associate Editor, Journal of Applied Fluid Mechanics. (November 2014 - Present).
Reviewer, Journal Article, International Journal of Heat and Fluid Flow. (February 2014 - Present).
Reviewer, Journal Article, Journal of Aerospace Engineering. (August 2013 - Present).
Reviewer, Journal Article, International Journal of Multiphase Flow. (August 2012 - Present).
Reviewer, Journal Article, ASME Journal of Fluid Engineering. (August 2010 - Present).

Public

Faculty Mentor, Islander Day. (November 2016 - Present).
Judge, FTC Competition. (January 2016).