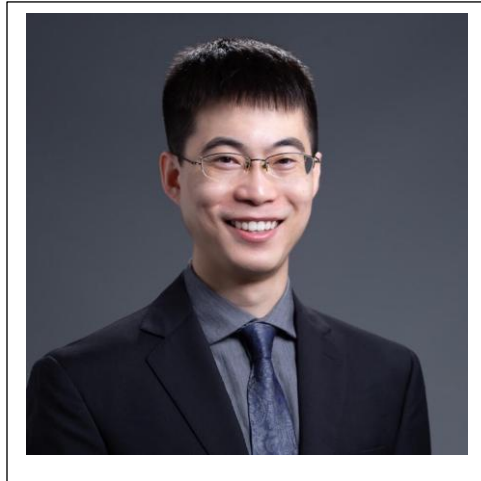


Yue Jin



Bio: Dr. Yue Jin is an Assistant Professor in the Department of Mechanical and Aerospace Engineering at the University of Missouri. His research focuses on experimental diagnostics, physics-based modeling, and data-driven approaches for thermal-fluid processes in nuclear energy systems. His work integrates advanced flow visualization, high-fidelity measurements, and predictive modeling to improve the understanding of diverse flow and heat transfer processes in nuclear reactors. These efforts support the development, safety, and performance

optimization of current and next-generation nuclear energy systems, including advanced reactors. Prior to joining the University of Missouri, he was a Postdoctoral Researcher in Nuclear Science and Engineering at the Massachusetts Institute of Technology.

Current Position and Employer Institution: Assistant Professor, Department of Mechanical and Aerospace Engineering, University of Missouri

Academic Background:

- Year of PhD Completion: 2019
- Degree Field: Nuclear Engineering
- Institutions Attended: Ph.D., Nuclear Engineering, Pennsylvania State University; M.S., Nuclear Engineering, Shanghai Jiao Tong University; B.S., Nuclear Engineering, Xi'an Jiaotong University

Research Area: Nuclear Thermal Hydraulics, Advanced Flow Visualization and Diagnostics, Multi-Phase Flow and Heat Transfer, Physics-based Theoretical and Machine Learning Modeling.