Yang Liu

Bio: Dr. Yang Liu is an Assistant Professor of Nuclear Engineering at Texas A&M University (TAMU). Prior to joining TAMU, he held positions as Nuclear Engineer at Argonne National Laboratory and Postdoctoral Research Associate at University of Michigan. He obtained his Ph.D. in Nuclear Engineering from North Carolina State University in 2018. Dr. Liu's research has been focused on 1) Multi-scale M&S for thermal-fluid systems using physics-informed machine learning; 2) Data assimilation and uncertainty quantification on M&S for advanced nuclear systems; 3) Intelligent modeling, optimization, and control for advanced nuclear systems using AI/ML. He has published more than 40 papers in refereed journals and conference proceedings.

Years Beyond PhD: 6

Research Area: Nuclear Thermal Hydraulics, AI/ML for Nuclear Applications, Model Uncertainty and Sensitivity Analysis.

School of Employment: Texas A&M University

Educational Background (Field of Degree): Ph.D. North Carolina State University, 2018; M.S. China Institute of Atomic Energy, 2013; B.S. Tsinghua University, 2010