

Zeyun Wu, Ph.D.

Associate Professor, Department of Mechanical and Nuclear Engineering at College of Engineering

Richmond, VA, US

Reactor physics, computational methods, sensitivity and uncertainty analysis, advanced data analytics, machine learning

Biography

Dr. Wu joined the Department of Mechanical and Nuclear Engineering at Virginia Commonwealth University (VCU) in August 2017 and directs the Computation Applied Reactor Physics Laboratory (CARPL). Prior to VCU, Dr. Wu worked at National Institute of Standards and Technology (NIST) in charge of a replacement research reactor design project. Dr. Wu received his B.S. degree in Engineering Physics from Tsinghua University at Beijing China and Ph.D. degree in Nuclear Engineering from Texas A&M University at College Station Texas. Dr. Wu's research interests encompass reactor physics, multiphysics based reactor design and analysis, computational methods on neutron transport and uncertainty and sensitivity analysis in nuclear applications, machine learning and data analytics.

Areas of Expertise

Reactor Physics, Reactor core design and analysis, Computational method for neutron transport, Uncertainty and sensitivity analysis, Advanced data analytics

Affiliations

Member, American Nuclear Society (ANS), Member, Publication Steering Committee, ANS, Member, Executive Committee, Reactor Physics Division, ANS, Member, Executive Committee, Mathematics and Computation Division, ANS

Education

Texas A&M University

Ph.D. Nuclear Engineering

Texas A&M University

M.E. Nuclear Engineering

Tsinghua University, Beijing, China

M.S.E. Engineering Physics

Tsinghua University, Beijing, China

B.S. Engineering Physics

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