

Dr. Zhai is an assistant professor in the Department of Civil, Environmental and Architectural Engineering (CEAE) at The University of Colorado at Boulder. He has a unique background in both mechanical and architectural engineering. He received his first Ph.D. degree in Fluid Mechanics from Tsinghua University and his second Ph.D. in Building Technology from Massachusetts Institute of Technology (MIT). Dr. Zhai has been engaged in research activities in the field of fluid/thermal science and building/energy/environment technology since 1989. His particular research interests and expertise include integrated building design, experimental and numerical study of building system performance, indoor environmental quality optimization (thermal comfort and indoor air quality), and sustainable building design. As a principal researcher, Dr. Zhai has completed a number of notable research and consulting projects and published dozens of technical papers in reputed journals and conferences. Dr. Zhai is an active member of ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers) and ASEE (American Society for Engineering Education). He teaches “Sustainable Building Design” and “Building Energy Laboratory” at CU.