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Education: Ph.D., Aerospace Engineering, Virginia Polytechnic Institute & State University (Virginia Tech), Blacksburg, VA, Nov, 2006; M.S., Aerospace Engineering, Virginia Polytechnic Institute & State University, Blacksburg, VA, Dec, 2003; B.E., Engineering Mechanics, Tianjin University, Tianjin, China, July, 2000

His primary areas of expertise are computation fluid mechanics, experimental fluid mechanics, optical velocity measurement system design and application to fluid mechanics, and environment fluid mechanics. During his graduate study, he gained five years research experience in experimental study of the flow inside axial compressor and in support of the design and design verification of turbomachinery elements. His work at AUR involves using the open source CFD software, OpenFoam, to carry out design-motivated computational fluid analyses of highly vortical incompressible flows. He is also experienced in 3D meshing for complex geometry, parallel computing, turbulence model implement at code level and 3D flow visualization. He is also an expert in wind tunnel and water tunnel testing including test planning, design, setup, execution, and data analysis; in addition he is familiar with an array of instrumentation and data acquisition systems. He is a senior member of the American Institute of Aeronautics and Astronautics (AIAA) and member of Sigma Xi. He was the recipient of CAST (China Aerospace Science Technology) Scholarship. He is a reviewer of *Journal of AIAA*, *Journal of Fluid Engineering*, *Journal of Renewable and Sustainable Energy*, and the *International Journal of Heat and Fluid Flow*.

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