

Gen Fu is a PhD student in Engineering Mechanics program at Virginia Tech. Gen earned his bachelor's degree and master's degree in Mechanical Engineering from Chongqing University, China. Gen's research primarily is focusing on computational modelling and statistical design. More specifically, he has studied the simulation of turbomachinery components. He investigated the performance of fluid film bearings, foil gas bearings, the aeroelastic properties of rotating blades, and full field measurements of rotating beams. In all the computational studies, Gen is interested in combining state of art statistical methods with computational approaches in the design and analysis of the conventional mechanical components. These data driven statistical models can greatly reduce the computational time of conventional approaches. In addition, Gen has participated in many ASME activities. He is the secretary of Turbo Expo student advisory committee and also a technical committee member in Fluids Engineering division. He received FED scholar award in 2016, ASME IGTI student scholarship in 2017 and SAC travel award in 2018.