Exposure: the key to your dream job after graduate school

Dr. Bo Kong
Ames Laboratory—USDOE, Ames, IA
Host—MEGSO

April 11, 2019 at 3:10 pm in 2004 Black

Abstract

As graduate students, how to find a good job and build a successful career foundation is probably the most of you concern about.

As graduate students, finding a good job and building a successful career foundation is probably your main concern. The career examples you encounter in graduate school will mainly be professors in academia, a position you may not want in the end. In this seminar, I will first briefly introduce my own career path so far, and then I will talk about my experience of job hunting in industry and academia. After that, I will talk about the most important lesson I learned through my own experience, and what you can do as a graduate student right now. In the end, I will probably discuss my experience in a national lab, how it is different from working in academia and in industry.

Biography

Dr. Bo Kong is an assistant scientist at Ames Laboratory—USDOE. He graduated from Iowa State University with a Ph.D. in Mechanical Engineering. After 5 years as a postdoc in Chemical Engineering at ISU, he joined Ames Lab as an assistant scientist at 2016. He has over 15 years of research experience in developing large-scale simulation CFD models and software for prediction and design of the complex multi-physics and multiphase flows relevant to energy, manufacturing, and the environment. Dr. Kong has developed several robust and scalable numerical methods to leverage world-class supercomputing resources. His current research projects are focused on performing CFD simulations of gas atomization process of metal powder production, developing multiphase turbulence models for strongly-coupled particle-laden flows, and developing novel numerical algorithms for polydisperse multiphase flows using Quadrature-Based Moments Method (QBMM). Dr. Kong has over 30 publications in journals and conference proceedings.

This seminar counts towards the ME 600 seminar requirement for Mechanical Engineering graduate students.

www.me.iastate.edu