



ELECTRICAL & COMPUTER ENGINEERING

T E X A S A & M U N I V E R S I T Y

Multiple Ph.D. and postdoctoral positions are available in the group of Prof. Yang Shen, Department of Electrical and Computer Engineering and Center for Bioinformatics and Genomic Systems Engineering, Texas A&M University, College Station, Texas. Strongly motivated candidates with algorithmic thinking and programming skills as well as solid background in applied mathematics, computer science, computational biology, computational biophysics, engineering, operation research or related fields are particularly encouraged to apply.

Our interdisciplinary research is motivated by real-world challenges arising from biological problems at multiple scales ranging from molecules and systems to big data. We develop and apply computational methods to analyze, predict, and re-engineer biomolecular interactions and biological systems. These methods often involve but are not limited to biomolecular modeling and design, systems analysis and control, optimization, machine learning, probability and statistics, signal processing and beyond. More can be found at <http://ece.tamu.edu/~yshen>.

Postdoctoral researchers are sought to develop and apply computational methods (1) involving optimization and learning for flexible protein docking and (2) to modeling and designing protein-ligand interactions, especially for deciphering and overcoming drug-resistant mutations in cancer treatment. Expected starting dates are flexible (fall 2015 preferred). Prior experiences in protein modeling would be a plus although not required. Interested candidates please send a CV, a short note on research strengths and fit, research plan and career goals, and a list of 3 references to yshen@tamu.edu.

Ph.D. students who plan to enroll in spring or fall 2016 can find detailed instructions to apply at <http://engineering.tamu.edu/electrical/academics/advising/graduate/admissions>. If you are interested in the Shen group, please choose the area of Biomedical Imaging, Sensing & Genomic Signal Processing and indicate your interests in application materials. Candidates are encouraged to apply earlier than the official deadlines and welcome to contact yshen@tamu.edu with their CVs, copies of transcripts, and brief research statements on past experiences and future plans.

“Our graduate programs are consistently ranked among the top 20 in the United States. Our high quality research program, low tuition rates, and low cost of living make graduate studies in our programs one of the best values in the world.” College Station is conveniently located in the middle of a triangle formed by 3 of the 10 largest cities in the United States: Houston, Dallas, and San Antonio. More on “Why Texas A&M” can be found at <http://www.tamu.edu/about/recognitions.html>.