Multiple Ph.D./M.S. (GRA) Student Positions Open in Mechanical Engineering

Multiple Ph.D./M.S. graduate student positions, with full GRA supports, are immediately available for Fall 2017 (or as early as Spring 2017) in the Soft Tissue Biomechanics and Biomaterials Design Laboratory within the School of Aerospace and Mechanical Engineering (AME) at the University of Oklahoma (OU), in the areas of Cardiovascular Heart Valve Biomechanics, Multiscale Soft Tissue Modeling, and Patient-Specific Modeling & Diagnosis, by integrating advanced computational modeling methods, experimental techniques, and clinical medical imaging.

Candidates holding a B.S. degree in Mechanical Engineering, Bioengineering/Biomedical Engineering, Civil Engineering, Electrical Engineering or other relevant disciplines are encouraged to apply. For Ph.D. applications, M.S. degree and research experience are preferred. Qualifications and relevant background/skills below are required:
- Concrete knowledge in programming and scripting languages in FORTRAN, MATLAB, and/or C++
- Experience in finite element modeling and analysis
- Experience in tissue biomechanical testing and statistical data analysis would be a plus
- Strong problem solving, analytical, and interpersonal skills
- Meeting or exceeding Graduate Admission Criteria: [http://www.ou.edu/content/coe/ame/graduate/apply.html](http://www.ou.edu/content/coe/ame/graduate/apply.html)

Interested individuals should email: (1) a letter of interest, which outlines your qualifications and research experience, (2) a full CV, with a list of up-to-three published papers or manuscripts in preparation for individuals holding both B.S. and M.S. degrees, (3) transcripts of undergraduate and master studies, (4) GRE scores, (5) TOEFL scores (if applicable), and (6) contact information (email, telephone number, and the current affiliation) for at least three references, with all documents compiled as a single PDF file, to Dr. Chung-Hao Lee (ch.lee@ou.edu) at the University of Oklahoma. Please include “PhD Application 2017” in the “Subject” line of the email. Incomplete applications, missing any required materials, will not be considered. Review of applications will begin immediately and will remain open until positions are filled. More details can be found: [http://www.ou.edu/content/coe/ame/people/lee.html](http://www.ou.edu/content/coe/ame/people/lee.html) and [https://scholar.google.com/citations?hl=en&user=r3tNf78AAAAJ&view_op=list_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=r3tNf78AAAAJ&view_op=list_works&sortby=pubdate)

About the University:
OU is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement, and serving the educational, cultural, economic and health-care needs of the state, region, and nation from three campuses: Norman, Health Sciences Center in Oklahoma City (OKC) and the Schusterman Center in Tulsa. OU enrolls over 30,000 students and has more than 2700 full-time faculty members in 21 colleges. In 2014, OU became the first public institution ever to rank #1 nationally in the recruitment of National Merit Scholars, with 311 new scholars. The 277-acre Research Campus in Norman was named the No.1 research campus in the nation by the Association of Research Parks in 2013. Norman is a culturally rich and vibrant town located just outside OKC.

About the AME School and the Gallogly College of Engineering
The School of Aerospace and Mechanical Engineering (AME) currently has 25 full-time faculty members and over 900 undergraduate and 80 graduate students. Currently, AME and the Gallogly College of Engineering are experiencing a period of strong growth in scholarly research, corporate and private donations, and student enrollment. AME has maintained its historically strong student quality with more than 70 National Merit Scholars currently enrolled. AME was recently selected as one of only five schools nationwide to participate in TECAID, an NSF-funded program dedicated to enhancing diversity and inclusion in engineering programs. More information about AME is available at [http://www.ame.ou.edu](http://www.ame.ou.edu).

The Gallogly College of Engineering (GCoE) is also expected to expand considerably during the next five years in the strategic areas of biomedical research that will foster health care collaboration and discovery, and as a result of the establishment of a new Stephenson School of Biomedical Engineering (SMBE). The Gallogly College of Engineering was recently allocated more than $30 million through gifts from private donors for the construction of a new academic building, establishment of 12 new endowed positions and endowment of graduate fellowships. More information about GCoE can be found at [http://www.ou.edu/coe.html](http://www.ou.edu/coe.html)