



## MECHANICAL ENGINEERING

The University of Alabama

### THREE TENURE-TRACK ASSISTANT PROFESSOR POSITIONS

**Position 1- Thermal-Science Engineering:** The Department of Mechanical Engineering at the University of Alabama is seeking applicants for a tenure-track assistant professor position with research strength in thermal-sciences, to be filled by August 16, 2012. Candidates should be able to collaborate with research faculty in the department. Specific areas of interests are building energy, energy systems, power generation, and alternative energy. Candidates with a background in building energy systems are particularly encouraged to apply. An earned doctoral degree in Mechanical Engineering or a closely-related field is required, and the successful candidate must have high potential for sustainable funded research. The University is committed to being a student-centered research university; therefore, excellence in both undergraduate and graduate teaching will be expected.

**Position 2- Computational Engineering:** The Department of Mechanical Engineering at the University of Alabama is seeking applicants for a tenure-track assistant professor position with research strength in computation/ simulation relevant to automotive engineering. Candidates are expected to develop a strong, funded research program, collaborate with other faculty members, teach undergraduate and graduate courses, advise students, and provide service to the profession, university, college and department. The ideal candidate will have high expertise and documented accomplishments in computation and multi-physics modeling and simulation. Candidates with a demonstrated commitment to significant and innovative applications in automotive structures, CAD/CAM of freeform components, CAx technologies, biomechanics, and CFD/combustion are particularly encouraged to apply. An earned doctoral degree in Mechanical Engineering or a closely-related field is required, and the successful candidate must have high potential for sustainable funded research. The University is committed to being a student-centered research university; therefore, excellence in both undergraduate and graduate teaching will be expected.

**Position 3- Dynamics/Controls Engineering:** The Department of Mechanical Engineering at The University of Alabama is seeking applicants for a tenure-track assistant professor position, to be filled by August 16, 2012, with research strength in Dynamics/Controls. Candidates should be able to collaborate with research faculty in the department, teach undergraduate and graduate courses, advise students, and provide service to the profession, university, college and department. Preference will be given to candidates that have research experience with applications in automotive-related areas, particularly with regard to dynamic systems and controls. An earned doctoral degree in Mechanical Engineering or a closely-related field is required, and the successful candidate must have high potential for sustainable funded research. Highly

qualified applicants may be considered for appointment to a higher level. The University is committed to being a student-centered research university; therefore, excellence in both undergraduate and graduate teaching will be expected.

Review of applications will begin on January 3, 2012 and continue until the position is filled. To apply, submit an application including a letter of application, a detailed CV, statements of research and teaching interests, and a list of at least 3 professional references to the **“Thermal/Fluids Engineering” position, posting #0806086**, or the **“Computational Engineering” position, posting #0806110**, or the **“Dynamics/Controls Engineering” position #0806096**, on The University of Alabama job search website, <https://facultyjobs.ua.edu>. Inquiries should be addressed to Dr. Clark Midkiff, Department of Mechanical Engineering, Box 870276, The University of Alabama, Tuscaloosa, AL 35487-0276, or sent by email to [cmidkiff@eng.ua.edu](mailto:cmidkiff@eng.ua.edu) for either position or to [computationme@eng.ua.edu](mailto:computationme@eng.ua.edu) for the Computational position.

The department currently enrolls approximately 650 undergraduates and 60 graduates in the MS and Ph.D. programs and has 20 faculty members. The University of Alabama was founded in 1831 and the engineering program began in 1837. The University is located in Tuscaloosa, Alabama, with a metropolitan population close to 200,000. The state of Alabama has a large industrial base with concentrations in primary metals, automotive, paper, and energy. In addition, the NASA Marshall Space Flight Center and Redstone Arsenal are located in state. Please refer to the website <http://ua.edu> for more information on the university and department.

Qualified women and minorities are encouraged to apply. The University of Alabama is an equal opportunity, affirmative action, Title IX, Section 504, ADA employer. Salary is competitive and commensurate with experience level. The University of Alabama is an Equal Opportunity Affirmative Action Employer. Women and minorities are encouraged to apply.