



VirginiaTech
Invent the Future



SEVEN (7) TENURED/TENURE-TRACK FACULTY POSITIONS AT VIRGINIA TECH

MECHANICAL ENGINEERING The Department of Mechanical Engineering (ME) at Virginia Tech is in the midst of an exciting period of aggressive growth begun in 2004 in all areas of Mechanical Engineering, with 19 new faculty hired over the past three years. This year we seek to fill six (6) new faculty positions at all ranks, to begin in August 2008. Three positions will be located at the Blacksburg campus and three will be located at the Institute for Advanced Learning and Research (IALR) in Danville, VA. Applicants across all areas of Mechanical Engineering with strong interdisciplinary interests are encouraged to apply. Preference will be given to candidates in the areas of Energy, Materials, and the Environment (energy supply, distribution, and utilization in clean coal technologies, fuel cell, bio-renewable fuels, solar, wind, and nuclear energy) and Innovative Technologies and Complex Systems (nanotechnology, biomaterials, biotechnology, bioinformatics, robotics, materials research and high performance computing). Core mechanical engineering competencies in design, advanced materials, acoustics, thermofluid sciences, gas turbines, propulsion, dynamics and controls, sensors, mechatronics, autonomous systems, and robotics are sought. We are particularly interested in candidates who can interface mechanical engineering fundamentals with micro/nano, molecular, biological and biomedical systems, or who can develop virtual systems based on multi-scale modeling and computational sciences. Successful applicants must have an earned doctorate in mechanical engineering or a related field, and will be expected to develop a strong research program and contribute to the educational mission of the department at both the graduate and undergraduate levels.

Currently, the ME Department has 50 faculty members with an enrollment of approximately 900 undergraduate students and 210 graduate (105 Ph.D.) students. The Department's current U.S. News and World Report rankings are 15th for the graduate program and 14th for the undergraduate program. External research support is over \$14 million per year. Further information about the ME Department and details regarding each position and the application process can be found at <http://www.me.vt.edu>. The screening of applicants is expected to begin on February 15, 2008 and will continue until each position is filled. Applicants should submit a curriculum vitae, the names of five references, separate statements of research and teaching interests, and a cover letter. These items must be submitted electronically at <https://jobs.vt.edu>.

MINING AND MINERALS ENGINEERING The ME Department seeks to strengthen interdisciplinary research and collaboration with VT's Department of Mining and Minerals Engineering (MME) in the area of Energy, Materials, and the Environment, and also invites qualified candidates to apply for an energy-related tenure-track faculty position in MME at the Assistant Professor level. A Ph.D. in mining engineering, mineral processing, or a closely related field is required, and candidates are expected to have, or seek, professional engineering registration. Candidates who wish to be considered for this position should apply online at <https://jobs.vt.edu> to posting number 071141.

Virginia Tech has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates including women, minorities, and people with disabilities. Virginia Tech is a recipient of the National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers (<http://www.advance.vt.edu>).