

COLLEGE OF ENGINEERING
WICHITA STATE UNIVERSITY

Faculty of Distinction Position in Advanced Composite Materials

The College of Engineering at Wichita State University seeks candidates with interdisciplinary interests in the field of advanced composite materials to become the newly created *College of Engineering Faculty of Distinction in Advanced Composite Materials*. The distinguished individual chosen for this new position will be the leader in developing a nationally recognized center of research excellence within the College of Engineering that will dovetail with the current composite materials research within the College and the other units of the University. The College has a solid foundation of first-rate equipment and a nucleus of faculty and research associates with skills and interest in the full spectrum of composite materials research. The person chosen for this position must be capable of recognizing the connections of existing talent and equipment, and have the vision to coordinate new research initiatives that will provide for expansion of the center with the steady infusion of additional equipment, talented faculty and research associates, and graduate students.

The ultimate success of this center of excellence will depend a great deal upon this leader's ability to build collaborations of trust within the elements of the University, other academic institutions, industrial partners, national research laboratories, government agencies, and the community. Equally important to its success is the development of educational programs within the College of Engineering that achieve national respect and prominence. Consequently, this faculty member will assume responsibilities that include teaching, mentoring of both students and colleagues, supervising research, and seeking funded research programs. This educational program will be the principal source of the necessary pool of exceptionally talented and creative graduate students to support the large number of basic and applied research programs of the mature center of excellence.

Wichita, a city of more than 400,000 people, is the heart of industry and commerce in the state of Kansas. It is the site of six major aerospace companies (Airbus, Boeing, Bombardier/Learjet, Cessna, Hawker Beechcraft, and Spirit AeroSystems). Aviation has been the central focus of the industry in this region since the first days of powered flight. Approximately 40,000 people are currently employed in Wichita's aircraft manufacturing industry and nearly half of the citizens of the city and surrounding metropolitan area have direct links with this industry. These aircraft manufacturers must maintain a strong progressive technology foundation, consequently continuous research and a capable engineering workforce in the areas of composite materials are essential elements of their continued success.

The faculty of distinction in composite materials is a tenured or tenure eligible position with academic rank and salary commensurate with the qualifications and experience of the chosen applicant. Applicants with no academic experience must provide a substantial record of significant research accomplishment to be eligible for consideration. Competitive applicants for the position must have an earned doctorate in an engineering discipline from an accredited university, a record of significant research funding, a demonstrated commitment to diversity, and excellent communication skills. Applicants must also have at least one academic degree in an accredited engineering area that is closely aligned with composite material research, and have a strong history of experience in composite material research. Applicants must provide evidence of their eligibility for employment in the U.S. Desirable qualifications of the applicant include the following: U.S. citizenship or permanent residency, a distinguished record of scholarly activities in experimental, analytical, or computational research of advanced composite materials, a record of directing collaborative research efforts, a demonstrated record of excellence in engineering education, industrial experience, national recognition in an engineering discipline, and demonstrated leadership abilities.

The Wichita State University campus is a beautifully landscaped architectural showplace with approximately 15,000 students. Outstanding composite research and structural testing facilities in the College and the university's National Institute for Aviation Research include an extensive array of load frames, ovens, environmental chambers, and a 3' x 5', 1000° F, 400 psi autoclave. Other engineering research facilities on campus include a crash dynamics laboratory, a computational mechanics laboratory, and six wind tunnels and a water tunnel.

Interested applicants should submit a complete resume, that includes the names, addresses (including email), and telephone numbers of three references in the United States, to The College of Engineering, Wichita State University, Wichita, Kansas 67260-0044, attn: Dr. Walter Horn. The closing date for this position is June 30, 2009, or the first day of each successive month until the position is filled. Wichita State University is an EEO/AA employer.