

Department of Industrial and Systems Engineering Lehigh University

The department invites applications for a tenure track position at the level of Assistant Professor. We welcome applications from individuals with strong backgrounds in any ISE-relevant discipline, including industrial engineering, operations research, systems engineering, and computer science. Candidates with strength in large-scale optimization that utilizes high-performance computing and/or expertise in energy, healthcare, bioinformatics, or similar application areas are especially encouraged to apply. The candidate must hold a Ph.D. by the time of employment in fall 2010. The candidate must demonstrate a strong commitment to undergraduate and graduate education, and the potential to develop and conduct an active research program with external support.

The department is undergoing significant growth in various areas of operations research and computing. Current research thrusts include (1) optimization, (2) high-performance computing, (3) manufacturing, production, and logistics, (4) information systems, and (5) stochastic processes. Recent hires at the junior level have joined the Department in these and related areas with specializations in parallel algorithms, grid computing, mathematical programming, robust optimization, telecommunications, and supply chain analysis.

Established in 1926, the ISE Department currently has 17 full-time faculty members, 150 undergraduate and 120 graduate students, 40 of whom are Ph.D. students. We offer comprehensive research and education programs at the B.S., M.S., and Ph.D. levels. The ISE faculty maintains an outstanding international reputation in a variety of research areas. Active research topics include discrete optimization, interior point methods, conic linear optimization, high performance computing, financial optimization, telecommunications, and a variety of topics in logistics and supply chain analysis.

The Department maintains excellent computational and laboratory facilities, including a 96-processor parallel computing cluster and other associated computing facilities housed at the Laboratory for Computational Optimization Research. The department is also linked to powerful central facilities dedicated to high performance computing through a campus-wide computational grid. Annual research expenditures exceed \$3 million. The Department has extensive interdisciplinary ties with the business school through the Center for Value Chain Research, and with the finance and mathematics departments through the Analytical Finance program.

Review of applications will begin **December 1, 2009** and will continue until the position is filled. Please visit our application submission web site www.lehigh.edu/ise/careers.html to submit an application. The application should include a cover letter, a statement of research and teaching interests, a curriculum vita, names and addresses of at least three references, and representative research paper(s). Inquiries may be addressed to Professor Robert H. Storer, Search Committee Chair, rhs2@Lehigh.edu. The department web site is www.lehigh.edu/ise.