



Department of Industrial and Systems Engineering Lehigh University

The department invites applications for a senior faculty position at the level of Full or Associate 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 healthcare, bioinformatics, bioengineering or similar application areas are especially encouraged to apply. The candidate must demonstrate a strong commitment to undergraduate and graduate education, conduct an active research program with strong external support, and be willing to explore interdisciplinary research opportunities within the college and university.

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) supply chain management, (3) manufacturing, production, and logistics, (4) financial engineering, (5) healthcare systems, and (5) stochastic processes. Recent hires at the junior level have joined the Department in these and related areas with specializations in computational optimization, parallel and grid computing, robust optimization, financial engineering, and supply chain analysis.

Established in 1926, the ISE Department currently has 17 full-time faculty members, 150 undergraduate and 165 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, nonlinear optimization, interior point methods, conic linear optimization, high performance computing, financial engineering, and a variety of topics in logistics and supply chain analysis.

The Department maintains excellent computational and laboratory facilities, including a parallel computing cluster and other associated computing infrastructure housed in a brand new state-of-the-art facility maintained as part of 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 be done on a rolling basis and will continue until the position is filled. **Please visit our department Web site <http://www.lehigh.edu/ise> and follow the application submissions link 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 Associate Professor Ted Ralphs, Search Committee Chair, ted@lehigh.edu.

Lehigh University is an affirmative action/equal opportunity employer and provides equal opportunity on the basis of merit without discrimination because of race, color, religious creed, ancestry, national origin, age, handicap, gender, sexual orientation, or union membership.