

**Announcement of Assistant Professor Position in Systems Engineering
Industrial and Systems Engineering and Engineering Management (ISEEM) Department
The University of Alabama in Huntsville**

RANK: Assistant Professor

ABOUT THE POSITION: The Department of Industrial and Systems Engineering and Engineering Management at The University of Alabama in Huntsville invites applications and nominations for a tenure-track faculty position in the area of Systems Engineering. The position is at the rank of tenure-track Assistant Professor. Duties include research, teaching, and service with a focus on interdisciplinary or transdisciplinary research on the design and development of complex engineered systems. Areas of interest include model-based systems engineering, artificial intelligence (AI) and machine learning (ML) in systems engineering, theory of systems engineering, and other systems-related areas. Local industries and governmental organizations have embraced the need for methodologies that include the adoption of valid digital modeling environments to design, analyze, verify, and validate complex systems incorporating AI/ML.

Applicant qualifications should include: (a) a Ph.D. in engineering or related field; (b) evidence of capability to establish a successful externally funded research program; (c) a strong commitment to teach and mentor undergraduate and graduate students in a research university; (d) interest in working in a cross-disciplinary team environment across multiple academic and research units; (e) have an interest in performing university and professional service. The ability to obtain a security clearance is preferred. Work or research experience in the defense and aerospace industries or a background in systems modeling and analysis is also desirable.

APPOINTMENT DATE: August 15, 2024

ABOUT THE COLLEGE: The College of Engineering is comprised of five departments and has the largest enrollment of the university's six academic colleges. The research focus in the college includes three of several National Academy of Engineering (NAE) grand challenge problems - secure cyberspace, restore and improve urban infrastructure, and engineer tools of scientific discovery. Our strategic Flight Plan 2032 seeks to enhance student-centered teaching and learning focused on student success, promote basic and applied research, and engage the local and regional community through outreach and workforce development.

The Industrial and Systems Engineering and Engineering Management (ISEEM) Department offers BSIE, MSE, MSOR, and Ph.D. degrees. The department has an ABET-accredited undergraduate program in Industrial and Systems Engineering. Our faculty is currently comprised of six tenure-track/tenured members and one clinical member. Our student body includes approximately 150 undergraduate and 150 graduate students. Our faculty's research interests include: complex systems engineering and design, systems science, model-based systems engineering, incorporation of end-user models and simulations in systems, design preference communication in systems engineering, quality systems design and assessment, lean manufacturing, healthcare systems, additive manufacturing, engineering management, applied statistics, and artificial intelligence/critiquing systems. Given the large engineering and scientific workforce of the NASA Marshall Space Flight Center, the Redstone Arsenal, Cummings Research Park, and other area industries, rapid growth in faculty, students, and research funding is intended in this field.

ABOUT THE UNIVERSITY: The University of Alabama in Huntsville is one of America's premier doctoral-granting, comprehensive universities known for addressing some of the world's greatest technological challenges. UAH, a part of The University of Alabama System, offers an environment where students are able to explore, discover, create, and communicate knowledge. With six academic colleges, a Graduate School, an Honors College, more than 100 areas of study, and 17 high-tech research centers, UAH is a Carnegie R1 top-tier research university. UAH is where technology and human understanding converge and prepare students to transform their future. Learn more at www.uah.edu.

ABOUT HUNTSVILLE: Defense, space, telecommunications, biotechnology, diversified manufacturing and a variety of emerging specialties provide challenging work in Huntsville, also known as the Rocket City. The area enjoys a favorable cost of living and quality of life in the Southeast. More than 1.2 million people reside in the Huntsville metro area, and it is now the largest city in Alabama. From outdoor recreational activities to an enhanced arts and entertainment community, Huntsville contributes to a wonderful way to live, work and play. Learn more at www.huntsville.org.

APPLICATION PROCEDURE AND DEADLINE: Application material (in pdf format), including a cover letter, curriculum vitae, short summary of current research interests (1-2 pages), teaching philosophy (1-2 pages), and the names of three references, should be sent to sfsearch@uah.edu. The University of Alabama in Huntsville desires to recruit and retain high-quality faculty who share the University's values. Applicants for faculty positions are required to provide a statement, a maximum of 1 page, on how their teaching, research, and service contribute to creating and sustaining a welcoming environment and advancing the University's core values.

The University of Alabama in Huntsville is an Equal Opportunity/Affirmative Action Institution. Consistent with our core values of integrity, respect, diligence, excellence, inclusiveness, and diversity, the University strongly encourages applications from members of all under-represented groups. An offer of employment at the University is contingent upon the results of a criminal background check.

Consideration of applications will begin immediately, and the search will remain open until the position is filled. The anticipated starting date is for the fall term, August 15th, 2024. Attendance in new-faculty orientation sessions prior to the official starting date is required. **Please refer to log number 23-24-270.**

The University of Alabama in Huntsville is an affirmative action/equal opportunity employer of minorities/ females/veterans/disabled.