Assistant/Associate or Full Professor, Term Faculty – Department of Systems Engineering and Operations (SEOR), George Mason University

The George Mason University Department of Systems Engineering and Operations Research and the Data Analytics Engineering Program, within the Volgenau School of Engineering, invites applications for a term faculty non-tenure track position beginning August 2018. As Virginia's largest public research university, Mason has recently achieved Carnegie Research I status and is eager to build on its reputation of conducting research of consequence. The university has an institutional commitment to achieving excellence and diversity among its faculty and staff and encourages candidates who will enrich its academic and culturally inclusive environment to apply.

This individual will have a position within the Department of Systems Engineering and Operations (SEOR). This position can be at any level (instructor or assistant, associate, or full professor) commensurate with education and experience. We are seeking exceptional candidates in all areas of predictive and prescriptive analytics. We are particularly interested in candidates with strong foundations in analytics, data-driven decision making, optimization and model-based systems engineering, with a focus in emerging areas of applications such as health care, energy, sustainability, financial engineering, cybersecurity, and autonomous systems. For candidates considering a research component to their employment, we are looking for candidates to innovate new data analytics methods and develop data intensive areas of application within the context of systems engineering, industrial engineering, or operations research.

Responsibilities:

The successful candidate will be expected to teach SEOR courses supporting the Data Analytics Engineering Program. Teaching will primarily be at the graduate-level but may also include the undergraduate level where appropriate. In addition, the successful candidate will coordinate courses, manage graduate teaching assistants, participate in student advising, and perform other professional duties. A candidate with a research background (including scholarly publications and research funding) may be able to reduce the teaching course load through research activities.

Required Qualifications:

Applicants for this position must have an earned Ph.D. in operations research, systems engineering, computer science, or related field by the start date of the

position (no later than August 2018). Applicants should possess a strong commitment to and demonstrated excellence in teaching.

Preferred Qualifications:

Preference will be given to candidates with teaching experience, and especially with teaching in a distance-learning environment. Practical experience with analyzing big data in a broad range of applications is a plus.

For full consideration, applicants must apply for position number F211Az at http://jobs.gmu.edu/; complete and submit the online application; and upload a cover letter, a statement of professional goals (attach as 'Other Doc'), a perspective on teaching, a perspective on research, a complete CV with publications, and a list of four professional references with contact information (name, title, address, phone, and email). For full consideration applicants must apply by January 16, 2018; however applications will continue to be reviewed until the position is filled.

About Us: The Future of Engineering Is Here

The Volgenau School of Engineering is a fast-growing force for innovation in technology and education. The school enrolls approximately 7,300 students in 35 bachelor's, master's, and doctoral degree programs, including several first-of-their-kind offerings. As part of a nationally ranked research university, the school's faculty conducted more than $22 million in sponsored research in the last year. Located in the heart of northern Virginia's technology corridor, Mason Engineering stands out for its focus on emerging areas including big data, cybersecurity, healthcare technology, robotics and autonomous systems, sustainable infrastructure, and signals and communications. For more information about the school, visit http://engineering.gmu.edu/.

Department Highlights:

The Department of Systems Engineering and Operations Research has 22 full-time faculty members with wide-ranging research interests and a strong commitment to teaching. The department offers an ABET-accredited B.S. in systems engineering, M.S. degrees in both operations research and systems engineering, and a Ph.D. in systems engineering and operations research. It participates with other departments in the school-wide analytics masters' degree program. The SEOR programs are ranked 27th nationally in their category in the US News and World Report. For more information on the department, visit our web site: http://seor.vse.gmu.edu/.