

FACULTY POSITION IN MODEL-BASED SYSTEMS ENGINEERING

The Institute for Systems Research (ISR) and A. James Clark School of Engineering at the University of Maryland, College Park, invite applications for a tenure-track faculty position in Model-Based Systems Engineering (MBSE). We seek applicants with a doctoral degree who have research expertise in model-based systems engineering, formal approaches to engineering design and validation, requirements engineering, and multi-objective optimization and trade-off analysis, with appropriate connections to an engineering and/or biological domain.

The position provides a tenure track position in a Clark School department (Aerospace, Electrical and Computer, Mechanical, Civil and Environmental, Chemical and Biomolecular, or BioEngineering) with a joint appointment to the Institute for Systems Research. The position holder will contribute to teaching systems engineering, advise systems engineering students for their theses, and develop new systems engineering courses. With regard to research responsibilities, the position holder will propose and conduct systems engineering methodology and tools research and collaborate with other ISR faculty researchers to incorporate MBSE methods into ISR multi-disciplinary research. This is an assistant professor position.

The Clark School's (www.eng.umd.edu) graduate programs collectively rank 18th in the nation according to the U.S. News & World Report "America's Best Graduate Schools 2013." The Clark School is ranked 9th in the nation among public universities. In 2011 the Institute of Higher Education and Center for World-Class Universities ranked the Clark School 11th in the world among all engineering programs. The Institute for Systems Research (www.isr.umd.edu), an original and only surviving NSF ERC, celebrates 27 years of multi-disciplinary research in cooperation with universities, government, and industry. With annual research expenditures exceeding \$19M, it conducts interdisciplinary research and provides education in systems engineering and sciences; and devises basic solution methodologies and tools for systems problems in a variety of application domains. ISR has 41 joint appointment faculty; 27 affiliate faculty; and 10 research scientists from four colleges and 14 units across the University of Maryland.

Prospective candidates should demonstrate the required expertise and apply with:

- A cover letter
- Curriculum vitae and copies of degree certificates/transcripts
- Teaching and research statements
- Three writing samples/ copies of relevant scientific papers
- List of references

TO APPLY: Please visit the UMD employment website (jobs.umd.edu) and search for posting #118611. For best consideration, please submit applications by January 15, 2013; the position will remain open until filled. The University of Maryland is an EEO/AA employer. Women and minorities are strongly encouraged to apply.



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SYSTEMS RESEARCH
A. JAMES CLARK SCHOOL OF ENGINEERING