Tenure-Track Faculty Position – Data Analytics and Data-Driven Optimization The Ohio State University

por webadmin - Sábado, septiembre 26, 2015

http://www.biometricsociety.net/2015/09/26/tenure-track-faculty-position-data-analytics-and-data-driven-optimization-the-ohio-state-university/

Tenure-Track Faculty Position:

Data Analytics and Data-Driven Optimization

Industrial and Systems Engineering Program

Department of Integrated Systems Engineering

The Ohio State University

Philip Smith, Professor and Chair

The Department of Integrated Systems (ISE) at The Ohio State University, one of the nation's top ten public universities, invites applications for a senior-level tenure-track position focusing on data analytics, data mining and data-driven optimization (Associate or Full Professor). ISE offers degrees (BS, MS and Ph.D.) in Industrial and Systems Engineering.

This position is partially funded by Ohio State's Discovery Themes Initiative, a significant faculty hiring investment in key thematic areas in which the university can build on its culture of academic collaboration to make a global impact. It builds upon the department's long history of leadership in operations research and engineering statistics. The position is part of a University-wide initiative in Data Analytics, created in recognition of the fact that traditional approaches to decision making under uncertainty are inadequate when confronted with access to massive amounts of data, especially when such data becomes available over time. These challenges require core research focusing on *domain-independent* modeling, data mining, simulation, data-driven optimization and decision making techniques that provide coherent solutions across a wide variety of application domains, as well as a focus on the challenges offered by specific application areas.

The successful applicant will provide leadership by creating interdisciplinary research teams, bringing together faculty within ISE and across the University with a focus on data analytics, data-driven optimization, computer science and statistics. This will include a focus on specific application areas in order to develop new programs of research that have a tangible impact on the data analytics community. The faculty member will be expected to seek research funding from federal, state and industry sources, supervise graduate student research, and disseminate research results through high quality peer-reviewed publications. The faculty member will also expand course offerings in data analytics, data-driven optimization, systems modeling and data mining, at both the undergraduate and graduate levels.

Interested candidates should submit a complete curriculum vitae, a separate statement of current and future research interests, a statement of teaching philosophy, and contact information for five references electronically, to the following email address: freitas.6@osu.edu. The search committee will start reviewing new applications for this position on October 1, 2015. The position will remain open until it is filled.

The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies. We are an NSF Advance Institution and a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium.

The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Applications from women and other underrepresented or minority groups are encouraged. Columbus is a thriving metropolitan community, and the University is responsive to the needs of dual career couples.

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