DR. GONZALO MATEOS

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Faculty Search Committee Chair
University of
Department of Electrical Engineering and Computer Science

Dear Madam/Sir,

I am writing to express my interest in being considered for the tenure-track faculty position that you advertise in your department's web page.

I am currently doing post-doctoral work on massive-scale social network data analytics at Carnegie Mellon University's Computer Science Department, under the supervision of Prof. Christos Faloutsos. I obtained the M. Sc. and Ph.D. degrees in Electrical Engineering from the University of Minnesota, in August 2009 and May 2012. During my graduate studies I have worked in the Signal Processing in Networking and Communications (SPiNCOM) group, under the supervision of Prof. Georgios B. Giannakis. My doctoral work has been recognized with the 2013 University of Minnesota's Best Dissertation Award (Honorable Mention), and two paper awards in IEEE Signal Processing Society workshops.

My general research interest is on algorithms, analysis, and application of statistical signal processing tools to *Big Network Data* analytics. Experience, background, and current research include robust, distributed, and sparsity-aware learning from high-dimensional network data; which finds exciting applications in understanding the dynamics of emergent social-computational systems, and protecting critical infrastructure such as the Internet's backbone. I have a solid background in Signal Processing, Machine Learning, Social Network Analysis, Optimization, Wireless Communications, Networking, and Control Theory. I have significant classroom experience as teaching assistant and instructor for different courses. Prior to starting work on my Ph. D. degree, I was a Systems Engineer at Asea Brown Boveri (ABB) in Uruguay. This experience will be helpful in maintaining a fluid dialog with industry down the road, thus multiplying the funding opportunities and facilitating access to real-world data.

I am confident that my solid background, interdisciplinary research plan, and commitment to teaching will complement, blend nicely, and enhance the high-quality teaching and research atmosphere in your department. I truly appreciate your time and consideration, and would be honored to talk about our common interests. Awaiting your response I extend my kind regards.

Sincerely,

Gonzalo Mateos
November 20, 2013