Faculty Search,
Mathematics and Computer Science Dept.,
Duquesne University,
600 Forbes Ave.
Pittsburg, PA 15282-1754

Dear Professors:

I am submitting an application to be considered for the Assistant Professor position in Applied and Computational Mathematics at the tenure-track level which is opening at Duquesne University. I graduated from Purdue University with a Ph.D. in Mathematics in August 2007, under the direction of Prof. Bradley J. Lucier. Immediately after my graduation, I started working as a Research Assistant Professor for the University of South Carolina.

My research interests are in both Analysis and Scientific Computing, specifically in the study and applications of Approximation Theory. In particular, the subject of my dissertation (The Curvelet Transform—A Generalized Definition and Approximation Properties) has recently become very popular, and there are still many open questions. Significant progress in this area was achieved by Professors David Donoho and Emmanuel Candès. The next area of my research, Mathematical Imaging, could be of interest to Professors Stacey Levine and Carl Toews. It involves applications of multiscale techniques (through wavelets, curvelets, shearlets, etc) to the design of fast and reliable algorithms of image compression, edition, restoration, and analysis.

I have a very ample experience in teaching: I have had the opportunity to fulfill various teaching tasts beginning with recitation duties and ending with independent teaching assignments (both at the undergraduate and graduate level).

My letters of recommendation have been sent by their authors. The ones written by Dr. Saerens and Prof. Schep concern teaching. Enclosed are my curriculum vitae (including a list of publications and contact information to additional reference writes), an AMS cover sheet, a research statement, a teaching statement and a separate list of publications with links to the online versions of each paper. All these are also available at .

I look forward to discussing the qualifications for the position further. I can be contacted at the address listed below, by phone at (803) 237-0165, or by e-mail at `blanco@math.sc.edu`. Thank you for your consideration.

Sincerely,

Francisco Javier Blanco-Silva
900 Taylor St. Apt. 203
Columbia, SC 29201