



UNIVERSITY OF
SOUTH CAROLINA

Wake Forest University
Department of Mathematics
P.O.Box 7388
Winston-Salem, NC 27109

DEPARTMENT OF MATHEMATICS
COLLEGE OF ARTS AND SCIENCES

Dear Professors:

This letter is in regards to the formal submission of my application for the Teacher Scholar Postdoctoral Fellow position currently open at the Department of Mathematics of Wake Forest University.

I completed my doctorate in Mathematics at Purdue University in August 2007 under the direction of Prof. Bradley J. Lucier. Immediately following graduation I began a postdoctoral appointment as a Research Assistant Professor for the University of South Carolina. My research interests include both Analysis and Scientific Computing, specifically in the study and application of Approximation Theory. Recently, the subject of my dissertation (The Curvelet Transform—A Generalized Definition and Approximation Properties) has become popular and many open questions remain open.

I have a very ample experience in teaching: I have had the opportunity to fulfill various teaching assignments from basic recitation duties to my own independent classes (both at undergraduate and graduate levels). My letters of recommendation have been sent by their authors. The one written by Prof. Schep concerns teaching. Enclosed are my curriculum vitae (including a list of publications and contact information to additional reference writers), an AMS cover sheet, a research statement, and a separate list of publications with links to the online versions of each paper. All these are also available at <http://blancosilva.wordpress.com>

My dream as a Mathematician is to be able to thrive as a scientist in an environment where institutional efforts are conducive to excellence. I have always admired the commitment to teaching, technology, and research atmosphere that members of Wake Forest enjoy. I look with envy your excellent rankings among national universities, that you belong to one of the most connected campuses in the World, and especially the generous effort in providing high-performance computing to your members: For an applied Mathematician, this is a big plus. I also believe that the Department will benefit of the potential interaction of my research with the Nanotechnology Center. Dr. Robert Plemmons could be an excellent ally in this sense, and I am looking forward to discussing this possibility with him in person. I trust that, after a successful period as a postdoctoral fellow, the department of Mathematics will consider taking me as tenured-track professor. I could not imagine growing as a professional in a better environment.

I look forward to discussing the qualifications for the position further. I can be contacted at the address listed below, by e-mail at francisco.blanco.silva@gmail.com, or by phone at (803) 386-1822. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, reading "Francisco Javier Blanco-Silva".

Francisco Javier Blanco-Silva
724 Pembroke ave,
Columbia, SC 29205