University of Delaware

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ROBERT P. GILBERT
UNIDEL CHAIR FOR APPLIED ANALYSIS
DEPARTMENT OF MATHEMATICAL SCIENCES
UNIVERITY OF DELAWARE
NEWARK, DELAWARE 19716
e-mail gilbert@math.udel.edu
FAX 302-368-1835

(302) 831-2315

Department of Justice
Immigration and Nationalization Services

To Whom it May Concern:

Re: Letter of recommendation to grant Immigration to Dr. Zhongyan Lin under the Category of Professionals with Extraordinary Ability

This letter is written to support the application of Zhongyan Lin for immigration to the United States under a special category of professionals with extraordinary ability or outstanding researcher. I hold the Unidel Chair for Mathematics and Computer Science at the University of Delaware. I am the author of over 200 research papers, and the author of 6 research monographs. I am Editor-in-Chief of the two mathematics journals APPLICABLE ANALYSIS and COMPLEX ANALYSIS; moreover, I am on the editorial boards of 12 other research journals. I first met Lin when I was visiting China. He impressed me at that time with his sharp mind and we started a joint collaboration on a paper during my visit. I was so impressed with him that I recruited him right away to come and finish his Ph. D. with me at Delaware. He had participated in several important mathematical research and engineering design projects in China and had written several very good papers in that field before coming to work with me. We wrote one paper together on inverse problems before I started him on computational acoustics. Dr. Lin wrote an brilliant Ph. D. thesis under my direction on computational acoustics and inverse problems for mathematical physics. Dr. Lin and I collaborated subsequently on numerous research efforts and published jointly eight papers. Dr. Lin's research was mainly concerned with computational acoustics for shallow ocean with an interactive seabed, and the undetermined coefficient problems for partial differential equations. These are ill-posed problems, and very difficult. He is working in areas that are very important to industry and national security. The direct application of his work is for the detection of mines that might be placed in a harbor. The same technology developed in his research is of use in determining the nature of the sea-bed, which can be used in the many areas such as prospecting for off-shore petroleum and gas, and constructing drilling platforms. His research, which is related to non-destructive evaluation (NDE), has numerous commercial, defense, and health applications. For