

## *Preface*

This is the proceedings of the conference “Analysis and Applications,” held in May 2011 in honor of the 80th birthday of Elias M. Stein. The reader will find here an extraordinary range of deep mathematics, covering most of the main trends in harmonic analysis, partial differential equations, and allied fields. All bear the stamp of Stein’s broad and original view of the subject. It is a pleasure to dedicate this book to him.

We are grateful to the American Institute of Mathematics, the Clay Mathematics Institute, the National Science Foundation, and the Princeton University Mathematics Department for the financial support that made the conference possible.

Many people worked hard to make the conference a success. We are especially grateful to Scott Kenney, Gale Sandor, and Carol DiSanto for solving many practical problems.

Our thanks go also to Vickie Kearn, Quinn Fusting, and Nathan Carr at Princeton University Press for invaluable help in producing this book. We mourn the passing of Frances Wroblewski of the Princeton Mathematics Department; she also contributed invaluable help.

We are deeply grateful to the speakers and participants who made the conference “Analysis and Applications” a major success.

Most of all, we are grateful to Eli Stein.

C. Fefferman, A. D. Ionescu, D. H. Phong, S. Wainger  
Fall 2012