

Introduction

This is a volume of proceedings for the conference “Applications of K-theory and Cohomology”, which was held March 30 to April 2, 2004 at the University of Southampton to honour the sixtieth birthday of Professor Victor Snaith. This conference was generously supported by a grant from the London Mathematical Society. The meeting was organized by Jacek Brodzki, Bernhard Koeck and Ian Leary.

The meeting addressed recent developments on the boundaries where Algebraic K-Theory meets with arithmetic, algebraic geometry and algebraic topology. The interplay between these topics has been and continues to be a major theme of Professor Snaith’s research career.

The main themes of the workshop included motivic homotopy theory, K-theory, algebraic cobordism, recent progress on the Bloch-Kato and Beilinson conjectures, and applications of algebraic K-theory to the Kummer-Vandiver conjecture.

The papers in this volume reflect these themes, and they reflect the high quality of the conference. I would like to take this opportunity to thank the organizers for putting together an excellent meeting, and I thank the authors of the papers appearing in this volume for their contributions.

J.F. Jardine