

Preface

As a satellite conference to the Fourth Congress of European Mathematics held at Stockholm University in 2004, the International Conference on Pseudo-Differential Operators and Related Topics was held at Växjö University in Sweden from June 22 to June 25, 2004. The conference was supported by Växjö University, the FIRB Research Group on Microlocal Analysis of Università di Torino, and the International Society for Analysis, its Applications and Computation (ISAAC). The conference was well attended by about 50 mathematicians from Bulgaria, Canada, Denmark, England, Finland, Germany, Italy, Japan, Mexico, Serbia and Montenegro, Russia and Sweden.

The conference covered a broad spectrum of topics related to pseudo-differential operators such as partial differential equations, quantization, Wigner transforms and Weyl transforms on Lie groups, mathematical physics, time-frequency analysis and stochastic processes. The speakers were enthusiastic about the prospect of publishing articles based on their presentations in a volume to be published in Professor Israel Gohberg's prestigious series entitled "Operator Theory: Advances and Applications".

All contributions from speakers have been carefully refereed and the articles collected in this volume give a representative flavour of the mathematics presented at the conference. This volume is a permanent record of the conference and a valuable complement to the volume "Advances in Pseudo-Differential Operators" published in the same series in 2004, which is devoted to the Special Session on Pseudo-Differential Operators at the Fourth ISAAC Congress held at York University in August 2003.