

Preface

This special issue of the *International Journal for Numerical Methods in Fluids*, covering four issues of the journal, contains papers originally submitted to the most recent of the series of ICFD Conferences on Numerical Methods for Fluid Dynamics, held in Oxford in 2001 by the Institute for Computational Fluid Dynamics (ICFD). The ICFD is a joint enterprise associated with the Universities of Oxford and Reading: in Oxford it is housed at the Oxford University Computing Laboratory, in Reading at the Department of Mathematics.

The themes of the Conference were Adaptivity, Biomedical Modelling, and Innovatory Algorithms, but the range of papers is broader than that, covering a wide cross-section of numerical analysis and computational methods currently being pursued internationally. The aim of the ICFD Conference series has always been to bring together mathematicians, with primary interest in the analysis and development of methods, and engineers, principally concerned with applying such methods in various application areas, all working in the various fields of computational fluid dynamics, to review recent advances in mathematical and computational techniques and to promote cross-fertilization of ideas across the different application areas. For this Conference the Steering Committee consisted of Professor M. Giles (University of Oxford), Dr M. T. Arthur (QinetiQ), Dr M. J. P. Cullen (ECMWF) and Dr M. Rabbitt (British Energy), as well as the present Editor. The papers were originally filtered by the Committee for the Conference from submitted abstracts but have been fully refereed for this issue.

My best thanks are due to the publisher of this journal, and in particular to Jan de Landtsheer and Jake Durup, for their hard work in bringing out this special issue in good time, so that the papers have the immediacy of ongoing work and the status of standard newly published material.

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