



Preface

The present volume contains a selection of some of the best papers presented at the international conference on Engineering Turbulence Modelling and Measurement held in Mallorca from September 16–18, 2002. The complete original proceedings is available as *Engineering Turbulence Modelling and Experiments 5*, W. Rodi, N. Fueyo (Eds.), Elsevier, Amsterdam, 2002. The papers included here are more than just a re-print of the conference version, however. Authors were invited to expand their papers beyond the inevitably tight page limits of the conference volume, both to give greater detail where that improved clarity and to include newer results obtained since the conference submission. These revised manuscripts have then been reviewed according to the Journal's standard procedure and further edited in response to the referees' advice.

The Conference was the fifth in an increasingly popular series for which 280 abstracts were initially received and from among which 95 were finally selected for presentation at the Conference itself. A new subject area included in this year's Conference was a session on the use of LES to predict acoustic effects; two papers on this theme appear in this 'Special Issue'. More than half of the other computational studies selected for this volume also employed techniques where the turbulence was either fully or partly resolved by the numerical solver, including two contributions exploring, via DNS, two different techniques for drag reduction. The increasing shift to numerical solutions seems an inevitable evolution as the cost of computational resource continues to decline. This shift of emphasis is not complete, however, since three from our selection of papers report experiments while many others refer to earlier experiments against which to compare their results.

Of course, the key to providing a successful post-conference special issue is to mount a very successful conference from which the papers are to be drawn. For this reason it is appropriate here to commend the exceptional work of Dr. Noberto Fueyo of the University of Zaragoza who, from the very first eye-catching announcement, took responsibility for making the 5th ETMM Conference the outstandingly successful event that it did, indeed, prove to be.

Nobuhide Kasagi
Brian Launder
Editors in Chief

Wolfgang Rodi
Guest Editor