

Preface

The papers appearing in this volume are based on invited talks given at the 6th International Congress of Industrial and Applied Mathematics, held in Zurich from July 16 to 20, 2007. In addition, it contains the *Euler Lecture* held to celebrate Euler's 300th anniversary. The extended abstracts of the minisymposia and contributed talks can be found in Volume 7 of the web based journal PAMM.

The congress, hosted by the Swiss Mathematical Society, was organised at the ETH Zürich (Swiss Federal Institute of Technology) and the University of Zurich on behalf of the International Council for Industrial and Applied Mathematics (ICIAM). It was a great success, attracting 3230 delegates from 89 countries. Overall, more than 2800 lectures were given. In addition, there were 120 poster presentations. Following the tradition of the Sydney congress in 2003 seven *Industry Days* took place.

The main Industrial and Applied Mathematics theme of the ICIAM07 congress was further enriched by four 'embedded' submeetings. The GAMM (Gesellschaft für Angewandte Mathematik und Mechanik) held their 2007 annual meeting during the congress. The invited plenary GAMM lectures can be found in regular issues of ZAMM. The following three organisations, the African Mathematical Union (AMU), the Chinese Society for Industrial and Applied Mathematics (CSIAM) and the European Society for Mathematical and Theoretical Biology (ESMTB), held special meetings.

Planning started in 2000 and needed the work of many people. A list of all the committees, then members and other persons involved is given in this book. Our deepest gratitude and the heartiest thanks go to all persons who helped us with all their abilities to create the event. The congress could not have happened without the support of many sponsors. We can mention here only the *Congress Partners*: ETH Zurich, its Mathematical Research Institute (FIM) and the Department of Mathematics; the University of Zurich and its Institute for Mathematics; the Swiss National Science Foundation (SNF), Comsol Multiphysics, Man Investments and Springer. A complete list is given in this book of the Gold, Silver and Bronze sponsors as well as the societies who helped in various forms to make this congress a success.

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