Preface

Proceedings of ICCAM-2002

The Tenth International Congress on Computational and Applied Mathematics was held at the University of Leuven (Belgium) from July 22 to July 26, 2002.

The Congress concentrated on the analysis of computational techniques for solving real scientific problems. In the tradition of the Congress also a social program was offered to the participants, including a guided walk through Leuven and a visit to Brussels.

The invited speakers were: Chris Budd (UK), Adhemar Bultheel (Belgium), Volker Schulz (Germany), Ben Sommeijer (The Netherlands), Masaaki Sugihara (Japan) and Paul Van Dooren (Belgium). The contributed papers were presented in parallel sessions on topics such as:

- constructive techniques for solving ordinary and partial differential equations,
- numerical quadrature,
- techniques for solving integral equations,
- computational methods in optimization, statistics and mathematical finance,
- approximation theory,
- computational complex analysis.

This volume represents the Proceedings of the Congress. It contains the text of 52 presented papers. We thank the referees who helped us in doing the editorial work. Their efforts and suggestions made it possible to publish scientific papers of high quality.

We thank the University of Leuven for the hospitality. Also the support of Dr. Keith Jones of Elsevier (North-Holland) and his staff is gratefully acknowledged. Last but not least we express our gratitude to all participants for their contribution and for making the Congress an interesting and pleasant event.

The success of the meeting encourages us to create further possibilities for contact between scientists, to exchange ideas and to stimulate research on computational and applied mathematics.

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