B. Sommeijer, J. Verwer, M. Arnold, R. Weiner (eds.)

Numerical Solution of Differential and Differential-Algebraic Equations Selected papers from NUMDIFF-11

Preface

This special volume is dedicated to professor Karl Strehmel (see the *Laudatum* on the next page) and contains a selection of papers based on lectures presented at the eleventh seminar on *Numerical Solution of Differential and Differential-Algebraic Equations* (NUMDIFF-11) which took place in Halle, Germany, September 4-8, 2006.

The scientific program of the conference consisted of 15 invited lectures, 4 mini-symposia entitled *Exponential Integrators, Numerical Methods in Mathematical Biology, Maxwell Equations and Electromagnetics,* and *Mesh-free Methods,* containing 25 lectures in total, and 70 short contributed talks.

This special issue contains 30 papers, which all have been subject to the regular reviewing process for APNUM. Here, we want to gratefully acknowledge the help of many referees as to guarantee the quality of the papers. We also want to thank IMACS and the Editorial Board of APNUM for offering the possibility to publish these proceedings as a special issue.

Special thanks go to the *Martin-Luther-Universität Halle-Wittenberg* for financial support and for providing infrastructure during the conference, and to the *Deutsche Forschungsgemeinschaft* and the *Amt für Wirtschaftsförderung der Stadt Halle (Saale)* for their support. We are grateful to several sponsors for their financial assistance: *INTEC GmbH Weßling, R. Manitz (IT Beratung und Softwareentwicklung),* and *Halloren Schokoladenfabrik GmbH Halle.* The organizing committee thanks in particular the dedicated secretarial assistance of *llona Tischler, Alf Gerisch,* and *Helmut Podhaisky* from the local organization.

Ben Sommeijer
Jan Verwer
Centrum Wiskunde & Informatica
Amsterdam, The Netherlands

Martin Arnold
Rüdiger Weiner
Martin-Luther-Universität Halle-Wittenberg
Halle, Germany

Contact: B.P.Sommeijer@cwi.nl