

Preface

This issue of MMA Journal contains the selected papers of the 13th International Conference "Mathematical Modelling and Analysis 2008" and the 3rd International Conference "Approximation Methods and Orthogonal Expansions" which took place on June 4-7, 2008 in Kääriku (Tartu), Estonia. Some more papers will be included also into No.2 issue of this volume.

The conference was organized by Institute of Mathematics of University of Tartu (Estonia), Estonian Mathematical Society and Vilnius Gediminas Technical University. The conference was partially sponsored by the University of Tartu, Estonian Academy of Science and Estonian Science Foundation.

96 participants from 18 countries presented talks on various aspects of mathematical modelling and usage of analytical and numerical methods for solution of modern problems of science and engineering, differential equations and parallel algorithms. The conference was dedicated to the 70th birthday of Professor Gennadi Vainikko, thus many talks presented results on numerical solution of integral equations and ill-posed problems.

My thanks go to International Organizing Committee for their very good job during preparation of the conference and colleagues from Lithuania – Prof. R. Čiegis, Prof. A. Krylovas and Dr. A. Štikonas for their excellent work in preparing these materials for publication.

Finally, I would like to thank local organizers Dr. U. Hämarik, T. Raus, K. Sander and others for their hard work at all stages of conference organization.

Professor Arvet Pedas

Guest editor of MMA Journal

2nd February 2009