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Foreword

This special issue, which constitutes the proceedings of a conference "Applied Non-Linear Dynamics: from Semiconductors to Information Technologies", has tried to create a forum for the exchange of information and experience in the exciting interdisciplinary field of applied chaotic dynamics. The expectation of the organizers concerning international resonance of the conference has been more than fulfilled: ~200 scientists from 24 different countries ranging from USA, EU to India and Kamchatka-Siberia, have participated. The largest groups came from Japan, Belgium, Greece and Germany, followed by participants from former Soviet Union countries. In these countries application-oriented non-linear dynamics, traditionally, has been carried out very extensively. This large potential of know-how in non-linear science has been explored and brought together in communication in an appropriate way during the conference. Good relations to research institutes of these countries might be of great importance for science and applications. We have to mention here the contributions concerning Internet traffic and secure communications.

On behalf of the Organizing Committee I would like to express my thanks to the Advisory Committee, the Programme Committee, the sponsors and to all who have contributed to this conference for their support and advice. Special thanks are due to Prof. G.L. Bleris and to Dr. Habil. A. Cenys for their advice and encouragement. Our thanks are also due to the Aristotle University of Thessaloniki, which was hosting this conference and provided some of its facilities.

We are grateful to the Editor-in-Chief, Prof. M.S. EL Naschie and to the publisher for accepting this volume for publication in *Chaos, Solitons & Fractals*.

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