

## Foreword

It is my pleasure to present this special issue of the Journal of Nonlinear Mathematical Physics published in honour of Professor Francesco Calogero on the occasion of his 70th birthday on the 6th of February 2005.

Most articles published in this issue, which consists of 53 articles in total, are in one way or another related to the scientific works of Professor Calogero. A more detailed and personal reflection on Professor Calogero's scientific and other activities is given by Professor Paolo Santini directly after this Foreword under the title "*Francesco, a first class scientist and a committed intellectual*" and by Professor Robin Bullough in his article titled "*Goat cheese for breakfast in Istanbul or Why are certain nonlinear PDEs both widely applicable and integrable? Reminiscences of Francesco Calogero.*"

My hope is that this collection of papers gives the reader some idea of the subject in which Professor Calogero had and still has a significant influence in shaping Mathematical Physics as we know it today, in particular in relation to problems on integrability of nonlinear equations, many-body problems and quantization. I should add that his contributions and influence is by no means a closed chapter as Professor Calogero is as active and involved today as ever!

This issue is a collection of original research results, rather than historical, (with the exception of the contribution by Professor Bullough which does address some historical aspects of Professor Calogero's influence on the development of soliton theory) which the authors kindly submitted following a personal invitation, that aim to highlight the current state of the art on a wide range of problems in Mathematical Physics.

Finally I want to acknowledge the many persons involved in this rather challenging project. Firstly my sincere thanks goes to all authors for their contributions to make this issue possible and their kind cooperation during the reviewing process. As is usual, all submitted papers have been carefully reviewed. I thank all the referees for their hard work. In particular my gratitude goes to the members of the Editorial Board of Journal of Nonlinear Mathematical Physics who had to deal with a large flood of submissions during the second half of 2004 as a result of this special issue. In this respect my indebted thanks goes to the following members of the Editorial Board who made special efforts to assist me in many ways during this project. Those are (in alphabetical order): Professors Jose Cervero, Peter Clarkson, Adrian Constantin, Thanasis Fokas, John Harnad, Helge Holden, Boris Kupershmidt, Peter Leach, Clara Nucci, Beatrice Pelloni and Jan Sanders. My special thanks also goes to Professor Paolo Santini for writing the introductory article concerning the many activities of Professor Calogero. Last but certainly not the least I thank Professor Marianna Euler for her encouragement and advice which helped me overcome several difficulties.

Norbert Euler  
Luleå, January 3, 2005