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Preface

The third International Conference on Mathematical Modeling in Physical Sciences (IC-MSQUARE) took place at Madrid, Spain, from Thursday 28 to Sunday 31 August 2014.

The Conference was attended by more than 200 participants and hosted about 350 oral, poster, and virtual presentations. More than 600 pre-registered authors were also counted. The third IC-MSQUARE consisted of different and diverging workshops and thus covered various research fields where Mathematical Modeling is used, such as Theoretical/Mathematical Physics, Neutrino Physics, Non-Integrable Systems, Dynamical Systems, Computational Nanoscience, Biological Physics, Computational Biomechanics, Complex Networks, Stochastic Modeling, Fractional Statistics, DNA Dynamics, Macroeconomics etc.

The scientific program was rather heavy since after the Keynote and Invited Talks in the morning, three parallel oral sessions and one poster session were running every day. However, according to all attendees, the program was excellent with high level of talks and the scientific environment was fruitful, thus all attendees had a creative time.

We would like to thank the Keynote Speaker and the Invited Speakers for their significant contribution to IC-MSQUARE. We also would like to thank the Members of the International Advisory and Scientific Committees as well as the Members of the Organizing Committee.

The Conference Chairmen

Elias Vagenas
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- **Saurya Das**, University of Lethbridge, Canada
- **Theocharis Kosmas**, University of Ioannina

Keynote Speaker

- **George Karniadakis**, Charles Pitts Robinson and John Palmer Barstow Professor of Applied Mathematics Brown University

Invited Speakers

- **Yamir Moreno**, Department of Theoretical Physics, Faculty of Sciences, University of Zaragoza, Spain
- **Ofer Lahav**, Perren Chair of Astronomy, Astrophysics Group, University College London
- **Thomas S. Hofer**, Institute of General, Inorganic and Theoretical Chemistry University of Innsbruck, Austria