

## Preface

This special issue includes invited and selected articles of the VIIth Brazilian Meeting on Simulational Physics (BMSP), held in João Pessoa, Paraíba, Brazil, from the 5th to 10th August, 2013. This is the seventh such meeting, and the first one to have contributed papers published in the Journal of Physics: Conference Series.

The previous meetings in the BMSP series took place in the mountains of Minas Gerais and in the region of the Brazilian Pantanal. Now, for the first time, the Meeting was held in the pleasant shores of João Pessoa, the capital of the Paraíba state.

The VIIth BMSP brought together more than 50 researchers from all over the world for a vibrant and productive period. As in the previous meetings, the talks and posters highlighted recent advances in applications, algorithms, and implementations of computer simulation methods for the study of condensed matter, materials, out of equilibrium, quantum and biologically motivated systems. We are sure that this meeting series will continue to provide a valuable venue for people working in simulational physics to exchange ideas and discuss the state of art of this always expanding field.

We are very glad to realize this special issue, and are most appreciative to the editors of the Journal of Physics: Conference Series for making this publication possible. We are grateful for the outstanding work of the João Pessoa team, for the financial support of the Brazilian agencies CNPq, CAPES, FAPESQ, and of the Federal Universities UFPB and UFMG. At last, but not least, we would like to acknowledge all of the authors of this special issue for their contributions.

**João Antonio Plascak**

**Alexandre Rosas**

*Guest Editors*

