

PREFACE

The *Fourteenth International Conference on Recent Progress in Many-Body Theories* (RPMBT14) was held at the Technical University of Catalonia (UPC), Barcelona, Spain over the period 16-20 July, 2007. The sessions of the meeting were organized according to a list of topics proposed by the Programme Committee spanning traditional fields of the Conference Series, such as Quantum Fluids and Solids and Nuclear Physics, and newer fields like Quantum Computation or Cold Quantum Gases, all of them with the common link of Quantum Many-Body Physics. During the Conference, some 45 invited papers were presented orally and approximately 40 contributed papers were presented as posters. All the speakers were requested to submit a paper for this Proceedings Volume and around ninety per cent of them submitted the paper by the tight deadline imposed. Moreover, the Editors made a selection among the poster contributions and offered to some of the authors the opportunity of including their contributions in the present Volume.

Some of the papers are quite interdisciplinary and therefore difficult to classify into a numbered list of topics. Nevertheless, we have decided to group the papers according to the topic session in which they were classified by the Programme and Organizing Committees. The Editors suggest to consider this classification as a guide to the readers, and recommend that they go through the entire Volume to get a deeper insight on the recent progress in the field.

We would like to thank all the people who have made it possible for this Volume to arrive to your hands. First, we warmly thank all the authors contributing to this Volume for their accurate work and close collaboration, and for amending any format problem that emerged during the edition. Second, we would like to thank Siu Chin, Chair of the International Advisory Committee of the Conference Series, for enriching this Volume with a clever preface, to John Clark for his warm remembrance of Eugene Feenberg at the centenary of his birth. We are also grateful to Gerardo Ortiz, Artur Polls and Mikko Saarela for their Laudations of the 2007 Kuemmel Award and Feenberg Medal winners. Finally, we are indebted to the rest of the members of the Organizing Committee, Joaquim Casulleras, Muntsa Guilleumas, Jesús Navarro and Artur Polls, for their invaluable advices and help in the organization of the RPMBT14 Conference.

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