

Editorial

Collective phenomena in mesoscopic systems

The realm between the atomic scale and bulk materials is a topic that has attracted the attention of an increasing number of researchers over last few years. There has been a flood of papers published on related subjects, and many conferences have been devoted to this topic. Mesoscopic Physics is actually one of the faster growing fields in Physics.

In this special issue on “Collective phenomena in mesoscopic systems” the reader will find 21 original articles dealing with theoretical and applied problems, from semiconductors to superconductors, and covering topics, which range from quantum computing to magnetic nanostructures. The issue is not intended to give an exhaustive review of the activity in Mesoscopic Physics, although we feel that it is representative of the many ways in which the different problems are being tackled today. We hope that it will encourage the interest of other researchers in the field.

The issue celebrates the 100th anniversary of the Spanish Physical Society, and most of the articles were presented during the celebration of this centennial.

Finally, we wish to thank Professor B. Kramer (University of Hamburg) who supervised the reviewing process for the articles in this special issue, Professor P. Rudolf, Editor-in-chief of the Journal, and Mrs V. Condé whose constant supervision was crucial to the smooth processing of this issue.

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Guest Editors