

Preface

This book presents the majority of the contributions to the Tenth German-Vietnamese Seminar on Physics and Engineering (GVS10) that took place in the Gustav-Stresemann-Institut (GSI) in Bonn from June 6 to June 9, 2007. In the focus of these studies are the preparation and basic properties of new material systems, related investigation methods, and practical applications. Accordingly the sections in this book are entitled *electrons: transport and confinement, low-dimensional systems, magnetism, oxidic materials, organic films, new materials, and methods*.

The series of German-Vietnamese seminars was initiated and sponsored by the Gottlieb Daimler- and Karl Benz -Foundation since 1998 and took place alternately in both countries. These bilateral meetings brought together top-notch senior and junior Vietnamese scientists with German Scientists and stimulated many contacts and co-operations. Under the general title “Physics and Engineering” the programs covered, in the form of keynote-lectures, oral presentations and posters, experimental and theoretical cutting-edge material-physics oriented topics. The majority of the contributions was dealing with modern topics of material science, particularly nanoscience, which is a research field of high importance also in Vietnam. Modern material science allows a quick transfer of research results to technical applications, which is very useful for fast developing countries like Vietnam. On the other hand, the seminars took profit from the strong cross-fertilization of the different disciplines of physics.

This book is dedicated to the tenth anniversary of the seminars and nicely shows the scientific progress in Vietnam and the competitive level reached. Because of that and since also leading scientists present their actual studies we hope that the readers will enjoy studying this book.

The editors, i.e. the organizers of the seminar series Annemarie Pucci (Heidelberg) and Do Tran Cat (Hanoi) and the local organizer of GVS10, Klaus Wandelt (Bonn), would like to express their thanks to all contributors to this book. Financial support of the 10th anniversary seminar by the Gottlieb Daimler- and Karl Benz -Foundation and, in addition, by the Deutsche Forschungsgemeinschaft is gratefully acknowledged. Many thanks go also to Conrad Becker and Anneliese Kirschfink (Bonn) for their great help in the organization of the meeting and in the preparation of this book.

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