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Preface

The lecture papers contained in this volume were presented at the International School on Physics and Technology of Semiconductor Quantum Devices, which was held in September 21-26, 1992 in Mesagne (Brindisi), Italy.

The School was organized within the Training Program on Materials Science of the Centro Nazionale per la Ricerca e lo Sviluppo dei Materiali (CNRSM).

It was organized for the personnel of the CNRSM and open also to young scientists from all over Europe with a few years of experience in the physics and technology of semiconductors.

The purpose of the School was to present overviews of the basic concepts, current research and research developments of semiconductor quantum devices to graduate and postgraduate students.

The chapters of this book are written by scientists well known for their contributions to the development of their specific research field. The book covers a wide range of the scientific research in the field of semiconductor quantum devices and focuses on links between physics and technology. Particular emphasis is given to the technology, fabrication and physics of electronic and opto-electronic devices.

The School was sponsored by: Agenzia per la Promozione dello Sviluppo del Mezzogiorno (Roma), IBM-SEMEA (Milano), and Philips Spa (Monza). The financial support of these institutions is gratefully acknowledged.

We wish to thank all lecturers for their excellent work and for their willingness to cooperate within a very limited timetable. We are particularly indebted to Prof. Paolo Cavaliere, President of the CNRSM, and to Prof. Lorenzo Vasanelli, Director of the Training Program. Our special thanks go to the School Secretary, Dr. Rosanna Cramarossa, for her never-tiring organizational activity that made our School a real success.

Klaus H. Ploog
Leander Tapfer

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