Preface

This special issue of Theoretical Computer Science contains a selection of papers presented at the International Workshop on Computing by Graph Transformation that took place in Bordeaux from March 21 to March 23, 1991 and was organized by the ESPRIT Basic Research Working Group COMPUGRAPH.

The main sessions of the workshop were: Foundations, Algorithmic and Implementational Aspects, Graph Grammars for Specifications and Programming, and Concurrent Computing. They reflect the main research streams of the COMPUGRAPH project. There was also a session presenting the directions of research of the ESPRIT Basic Research Action SEMAGRAPH, which cooperates with COMPUGRAPH.

Altogether, 25 papers were presented during the workshop. Out of these, 11 papers were chosen for a possible presentation in this special issue. The papers went through an independent refereeing process, which resulted in eight papers presented in this issue. We are indebted to the referees for their help in the selection process.

This issue also contains a presentation of the COMPUGRAPH project prepared by H. Ehrig and M. Löwe from the managing team of the working group. It gives the reader an insight into the aims and achievements of the project, and also allows the reader to see the papers from this issue in a broader perspective of research on computing by graph transformation.

We thank all the authors for their cooperation in preparing this issue.

B. Courcelle and G. Rozenberg
Guest Editors