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Graph-Theoretic Concepts in Computer Science

23rd International Workshop, WG'97
Berlin, Germany, June 18-20, 1997
Proceedings



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Preface

The 23rd International Workshop on Graph-Theoretic Concepts in Computer Science (WG'97) was held in Berlin, Germany, June 18–20, 1997, at the facilities offered by the Bildungszentrum am Müggelsee located at the shores of Lake Müggelsee in the green outskirts of Berlin. It was organized by the Algorithmic Discrete Mathematics group of the Technische Universität Berlin.

The workshop was attended by 72 participants from several countries. The location at Lake Müggelsee and the workshop infrastructure guaranteed a familiar atmosphere with on-site accommodation and intensive exchange of ideas.

The workshop on graph-theoretic concepts has a long tradition. Predecessors were organized at various places in central Europe. The workshop aims at uniting theory and practice by demonstrating how graph-theoretic concepts can be applied to various areas in computer science or by extracting new problems from applications. This workshop is thus a rarity in computer science, as it is neither purely theoretical, nor purely practical, nor completely oriented towards applications. It is instead a vertical cut through the different fields of computer science in which graphs and graph-theoretic concepts are applied. Based on this tradition, it is one of the oldest workshops with roots in the early years when computer science was established in Germany.

The program committee consisted of

G. Ausiello, Rome (I)	R. Möhring, Berlin (D), chair
H. Bodlaender, Utrecht (NL)	M. Nagl, Aachen (D)
M. Habib, Montpellier (F)	H. Noltemeier, Würzburg (D)
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A. Marchetti-Spaccamela, Rome (I)	D. Wagner, Constance (D)
E. Mayr, Munich (D)	P. Widmayer, Zurich (CH)

The program committee selected 28 out of 42 papers after a careful refereeing process. This selection reflects several current research directions and up-to-date snapshots that are representative for the topic of the workshop. The present volume includes these papers, together with an abstract of the invited lecture by David P. Williamson (IBM-T. J. Watson Research Center).

We wish to thank the authors of submitted papers and the reviewers. Their contributions made this workshop possible. A list of reviewers is given on one of the following pages. Furthermore, I would like to express my gratitude to the sponsors of this workshop, namely the Deutsche Forschungsgemeinschaft, Elsevier

Science, Springer-Verlag, and the Technische Universität Berlin. Their support allowed us to finance parts of the travel expenses for some of the participants, as well as parts of the organizational cost.

Finally, my thanks go to my own staff for their support in organizing this workshop, in particular to Ewgenij Gawrilow, Stephan Hartmann, Ekkehard Köhler, and Sabine Marcus.

Berlin, August 1997

Rolf H. Möhring

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WG'97	R. H. Möhring, Bildungszentrum am Müggelsee, Berlin

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