Preface

The 27th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2001) was held in Boltenhagen (Mecklenburg-Vorpommern) June 14–16, 2001. It was organized by the Theoretical Computer Science group of the Department of Computer Science at the University of Rostock. The organizers gratefully acknowledge the support by the German Research Community (Deutsche Forschungsgemeinschaft - DFG) and the state Mecklenburg-Vorpommern.

As was the case for previous WG workshops, this workshop was devoted to the theoretical and practical aspects of graph concepts in computer science, and its contributed talks showed how recent research results from algorithmic graph theory can be used in computer science and which graph-theoretic questions arise from new developments in computer science. Moreover, the workshop gave an impression of the impact of computer science on the efficiency of graph algorithms and on structural aspects of graphs and graph decomposition.

The workshop looks back to a remarkable tradition of 27 years; all previous WG conferences took place in the middle of Europe (Germany, The Netherlands, Italy, Switzerland, Slowakia). The participants of WG 2001 came from various countries such as Canada, China, Czech Republic, France, Great Britain, Greece, Italy, Norway, Russia, Sweden, Syria, Taiwan, The Netherlands, U.S.A., and, of course, Germany.

The program committee represented the wide scientific spectrum and the aims of the conference. In a careful reviewing process with at least four reports per submission, the program committee selected 27 papers from the submissions. All accepted papers were presented at the conference, and the referees' comments as well as the numerous fruitful discussions during the workshop have been taken into account by the authors of these conference proceedings. Moreover, there were two fascinating invited talks by

H.-J. Bandelt (University of Hamburg) on some connections between graph concepts such as median hulls and Steiner trees on one hand and molecular biology on the other hand,

and by

F. Meyer auf der Heide (University of Paderborn) on data management in networks, giving a survey on strategies for distributing and accessing shared objects in large parallel and distributed systems.

It is our pleasure to thank all those who contributed to the scientific success of WG 2001:

- all authors of submitted and of presented papers, and in particular the speakers
- the referees and subreferees
- the invited speakers

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- the DFG
- the state of Mecklenburg-Vorpommern, and last but not least
- the organizers Katrin Erdmann, Thomas Szymczak, Ernst de Ridder, supported by Roswitha Fengler before and Tilo Klembt, Suhail Mahfud, and Hans-Jörg Schulz during the conference.

August 2001

Andreas Brandstädt and Van Bang Le

The Tradition of WG

Hosts - Location

1975 U. Pape – Berlin

- 1976 H. Noltemeier Göttingen
- 1977 J. Mühlbacher Linz
- 1978 M. Nagl, H.J. Schneider Schloß Feuerstein, near Erlangen
- 1979 U. Pape Berlin
- 1980 H. Noltemeier Bad Honnef
- 1981 J. Mühlbacher Linz
- 1982 H.J. Schneider, H. Göttler Neunkirchen, near Erlangen
- 1983 M. Nagl, J. Perl Haus Ohrbeck, near Osnabrück
- 1984 U. Pape Berlin
- 1985 H. Noltemeier Schloß Schwanenberg, near Würzburg
- 1986 G. Tinhofer, G. Schmidt Stift Bernried, near München
- 1987 H. Göttler, H.J. Schneider Schloß Banz, near Bamberg
- 1988 J. van Leeuwen Amsterdam
- 1989 M. Nagl Schloß Rolduc, near Aachen
- 1990 R.H. Möhring Johannesstift Berlin
- 1991 G. Schmidt, R. Berghammer Richterheim Fischbachau, München
- 1992 E.W. Mayr Wilhelm-Kempf-Haus, Wiesbaden-Naurod
- 1993 J. van Leeuwen Sports Center Papendal, near Utrecht
- 1994 G. Tinhofer, E.W. Mayr, G. Schmidt Herrsching, near München
- 1995 M. Nagl Haus Eich, Aachen
- 1996 G. Ausiello, A. Marchetti-Spaccamela Cadenabbia
- 1997 R.H. Möhring Bildungszentrum am Müggelsee, Berlin
- 1998 J. Hromkovič, O. Sýkora Smolenice-Castle, near Bratislava
- 1999 P. Widmayer Centro Stefano Franscini, Monte Verità, Ascona
- 2000 D. Wagner Waldhaus Jakob, Konstanz
- 2001 A. Brandstädt Boltenhagen, near Rostock

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