

Preface

The 26th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2000) was held at Waldhaus Jakob, in Konstanz, Germany, on 15–17 June 2000. It was organized by the Algorithms and Data Structures Group of the Department of Computer and Information Science, University of Konstanz, and sponsored by Deutsche Forschungsgemeinschaft (DFG) and Universitätsgesellschaft Konstanz.

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. The goal is to present recent research results and to identify and explore directions for future research. The workshop looks back on a remarkable tradition of more than a quarter of a century. Previous Workshops have been organized in various places in Europe, and submissions come from all over the world.

This year, 57 attendees from 13 different countries gathered in the relaxing atmosphere of Lake Constance, also known as the Bodensee. Out of 51 submissions, the program committee carefully selected 26 papers for presentation at the workshop. This selection reflects current research directions, among them graph and network algorithms and their complexity, algorithms for special graph classes, communication networks, and distributed algorithms. The present volume contains these papers together with the survey presented in an invited lecture by Ingo Wegener (University of Dortmund) and an extended abstract of the invited lecture given by Emo Welzl (ETH Zürich).

It is my pleasure to thank all the people whose contributions made WG 2000 a successful event: the authors of papers for submitting their work and presenting accepted papers at the workshop; the invited speakers for their remarkable lectures; all reviewers for their careful reports; the members of the program committee for their timely evaluations and intensive discussion during the selection process, and in particular Peter Widmayer for coming to Konstanz for the final discussion; the DFG, the Universitätsgesellschaft Konstanz, and Springer-Verlag for financial support; the Friedrich-Naumann-Stiftung for funding the organization of the workshop at Waldhaus Jakob and Andrea Stern for supporting us during the workshop.

Special thanks go to Sabine Cornelsen, Dagmar Handke, Annegret Liebers, Barbara Lüthke, and Thomas Willhalm. They were responsible for the excellent preparation and perfect organization of the workshop. Furthermore, I would like to express my gratitude to Ulrik Brandes. While I had only to make decisions about insignificant details, he had “a finger in every pie,” including the organization of the workshop, the electronic submission and discussion, and the preparation of this volume.

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

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<http://www.springer.com/978-3-540-41183-3>

Graph-Theoretic Concepts in Computer Science
26th International Workshop, WG 2000 Konstanz,
Germany, June 15-17, 2000 Proceedings
Brandes, U.; Wagner, D. (Eds.)
2000, X, 313 p., Softcover
ISBN: 978-3-540-41183-3