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Graph-Theoretic Concepts in Computer Science

28th International Workshop, WG 2002
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Revised Papers

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Preface

The 28th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2002) was held in Český Krumlov, a beautiful small town in the southern part of the Czech Republic on the river Vltava (Moldau), June 13–15, 2002. The workshop was organized by the Department of Applied Mathematics of the Faculty of Mathematics and Physics of Charles University in Prague.

Since 1975, WG has taken place in Germany 20 times, twice in Austria and The Netherlands, and once in Italy, Slovakia, and Switzerland. As in previous years, the workshop aimed 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 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.

Altogether 61 research papers were submitted and reviewed by the program committee. The program committee represented the wide scientific spectrum, and in a careful reviewing process with four reports per submission it selected 36 papers for presentation at the workshop. 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.

The participants of WG 2002 came from universities and research institutes in various countries such as Australia, Belgium, Brazil, Canada (2), Czech Republic (6), France (7), Germany (13), Great Britain, Greece (2), Hong Kong, Ireland, Israel (2), Italy (2), Japan (2), New Zeeland, Norway (6), Poland (3), Russia, Slovakia, Spain, The Netherlands (2), U.S.A. The unusually small number of participants from the U.S.A. and Canada was most likely due to the short space of time between 11th of September, 2001 and the workshop deadline.

It is our pleasure to thank all those who contributed to the scientific success of WG 2001: all the authors of submitted and of presented papers, and in particular the speakers, the referees, and the subreferees. The organizational work of Lucie Štěpánová, Viliam Holub, and Štěpán Kučera during the workshop and the historical ambience, technical facilities, and helpful personnel of the Hotel Růže in Český Krumlov greatly contributed to the succeess of the workshop. A concert given by Olga Štěpánová (mezzosoprano), Lucie Štěpánová (violloncello), and Alexandr Zlobin (piano) in Castle Kratochvíle was a beautiful counterpart to the exhausting scientific program of the workshop.

November 2002 Luděk Kučera

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1981 J. Mühlbacher – Linz
1982 H.J. Schneider, H. Güttler – 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 – Castle Smolenice, near Bratislava
1999 P. Widmayer – Centro Stefano Franscini, Monte Verità, Ascona
2000 D. Wagner – Waldhaus Jakob, Konstanz
2001 A. Brandstädt – Boltenhagen, near Rostock
2002 L. Kučera – Český Krumlov

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