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Graph-Theoretic Concepts in Computer Science

20th International Workshop. WG '94
Herrsching, Germany, June 16-18, 1994
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Preface

The 20th International Workshop on Graph-Theoretic Concepts in Computer Science (WG'94) was held in Herrsching (Bavaria), in the conference facilities of the *Bildungsstätte des Bayerischen Bauernverbandes*, June 16–18, 1994. In addition to the wonderful surroundings of Lake Ammersee and a hike to the old monastery of Andechs (once a powerful center of clerical and worldly might, nowadays better known for the potent output of its brewery), it featured sessions on Graph Grammars, Treewidth, Special Graph Classes, Algorithms on Graphs, Broadcasting and Architecture, Planar Graphs and Related Problems, and Special Graph Problems.

The WG'94 represents a cornerstone in the immensely successful WG series, in particular, since it was number 20 in a row. For the historically minded and all those proud of this important annual event for many scientists all around the world interested in the study and application of graph-theoretic concepts in computer science, the table on the next page lists some of the data to remember. At the end of this volume, there is also a bibliography of the proceedings of these twenty workshops.

Sixty-six papers were submitted to WG'94, and the program committee consisting of

G. Engels (Leiden)
A. Marchetti-Spaccamela (Roma)
E.W. Mayr (München)
R. Möhring (Berlin)
M. Nagl (Aachen)
G. Schmidt (München)
P. Spirakis (Patras)
G. Tinhofer (München, chair)
J. van Leeuwen (Utrecht)
P. Widmayer (Zürich)
J. Wiedermann (Praha)

selected 32 of these. This volume contains all these contributions, which have been carefully revised based on the comments and suggestions by the program committee and attendants at the workshop. It thus provides an up-to-date snapshot of the research performed in the various areas represented at the workshop, and it can be a starting point for continued work in the computer science oriented parts of graph theory.

The WG'94 meeting took place in a very relaxed atmosphere in the facilities of the *Bildungsstätte des Bayerischen Bauernverbandes* in Herrsching, right next to Lake Ammersee. Its excellent conference facilities provided for an enjoyable stay and many opportunities for discussions, be it on the talk just heard, on a future joint paper, or simply on the destination of the excursion. The organizers would like to thank the Bayerische Bauernverband for hosting the workshop, and they would also like to express their gratitude to the Deutsche Forschungsgemeinschaft (DFG) for sponsoring WG'94.

München, January 1995

Ernst W. Mayr
Gunther Schmidt
Gottfried Tinhofer

The first 20 WG's

1	Berlin	1975	U. Pape
2	Göttingen	1976	H. Noltemeier
3	Linz	1977	J. Mühlbacher
4	Castle Feuerstein near Erlangen	1978	M. Nagl, H.-J. Schneider
5	Berlin	1979	U. Pape
6	Bad Honnef	1980	H. Noltemeier
7	Linz	1981	J. Mühlbacher
8	Neunkirchen near Erlangen	1982	H.-J. Schneider, H. Göttler
9	Haus Ohrbeck near Osnabrück	1983	M. Nagl, J. Perl
10	Berlin	1984	U. Pape
11	Castle Schwanberg near Würzburg	1985	H. Noltemeier
12	Monastery Bernried near München	1986	G. Tinhofer, G. Schmidt
13	Castle Banz near Bamberg	1987	H. Göttler, H.-J. Schneider
14	Amsterdam	1988	J. van Leeuwen
15	Castle Rolduc near Aachen	1989	M. Nagl
16	Johannesstift Berlin	1990	R. H. Möhring
17	Richterheim Fischbachau near München	1991	G. Schmidt, R. Berghammer
18	Wilhelm-Kempf-Haus Wiesbaden-Naurod	1992	E.W. Mayr
19	Sports Center Papendal near Utrecht	1993	J. van Leeuwen
20	Herrsching near München	1994	G. Tinhofer, E.W. Mayr, G. Schmidt

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