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# Graph-Theoretic Concepts in Computer Science

24th International Workshop, WG'98  
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# Preface

The International Workshop on Graph-Theoretic Concepts in Computer Science is one of the most traditional and high quality conferences in Computer Science. Previous conferences were organized at various places in Austria, Germany, Italy, and the Netherlands. 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 of future research. The workshop is well-balanced with respect to established researchers and young scientists.

The 24<sup>th</sup> International Workshop on Graph-Theoretic Concepts in Computer Science (WG '98) was held at Smolenice Castle, near Bratislava, Slovak Republic, June 18–20, 1998. It was organized by the Slovak Academy of Computer Science in cooperation with the Department of Computer Science I at RWTH Aachen (Germany) and with Slovak Society for Computer Science. For the first time in its history, WG took place in a country of the former eastern block, in the Slovak Republic.

The program committee of WG'98 consisted of:

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The call for papers for WG'98 was mailed and posted on several electronic bulletin boards. As a consequence, 61 papers were submitted and reviewed by the program committee. All submissions were carefully refereed by four or more members of the program committee. We would like to thank very much all members of the program committee and all subreferees for their cooperation and for exhaustive and detailed reports and comments.

After collecting, combining, and weighting all reports the program committee selected 30 papers for presentation at the workshop. The average level of submissions was high, with 38 papers scoring above the average, and we were sorry to have to reject some of them. We were impressed by the scientific quality of the graph-theoretic applications they covered. Thanks to all authors for their submissions.

The workshop took place June 18–20, 1998, and was attended by 66 scientists from the following countries: Brazil, Canada, Czech Republic, France, Germany, Greece, Hungary, Israel, Italy, Japan, The Netherlands, Russia, Slovakia, United Kingdom, and United States of America.

This volume contains all contributed papers from the workshop. They have all undergone careful revision after the meeting, based on the discussions and comments from the audience and the referees.

Special thanks have to go to Martin Bečka, Sylvia Gavorová, Tomáš Hrůz, Robert Szelepcsényi, and Imrich Vrto for the excellent organization of the workshop in Smolenice castle as well as for the nice social program in the forest around the castle. We would like to thank Walter Unger for the organization of the electronic program committee meeting and for the help with  $\text{\LaTeX}$  during the whole time, starting with submissions and finishing with the preparation of this volume.

Aachen, August, 1998

Juraj Hromkovič, Ondrej Šýkora

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