Preface

The 31st International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2005) was held on the campus “Ile du Saulcy” of the University Paul Verlaine-Metz in France. The workshop was organized by the Laboratoire d’Informatique Théorique et Appliquée (LITA) and it took place June 23 – 25 2005. The 94 participants of WG 2005 came from universities and research institutes of 18 different countries.

The WG 2005 workshop continues the series of 30 previous WG workshops. Since 1975, WG has taken place 20 times in Germany, four times in The Netherlands, two times in Austria as well as once in Italy, in Slovakia, in Switzerland and in Czech Republic, and has now been held for the first time in France. 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 talks were given in the “Petit Théâtre”. They 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. There were two fascinating invited lectures by Georg Gottlob (Vienna, Austria) and Gregory Kucherov (Nancy, France).

The number of submitted papers was an all-time record of 125. In a careful reviewing process with four reports per submission, the Program Committee selected 38 papers for presentation at the workshop. The Program Committee decided to accept more papers than usual due to the quality of the submissions. Nevertheless, a number of good submissions had to be rejected.

With much pleasure, I thank all those who contributed to the great succes of WG 2005: the authors who submitted their work to the workshop, the speakers, the Program Committee members and the referees. I am indebted to the members of the Local Organization Committee: Michaël Rao, Mathieu Liedloff and Damien Aignel. Without their engagement and the help of various students during the meeting, WG 2005 could not have been such a great success.


Metz, September 2005

Dieter Kratsch
The Tradition of WG

1975  U. Pape - Berlin, Germany
1976  H. Noltemeier - Göttingen, Germany
1977  J. Mühlbacher - Linz, Austria
1978  M. Nagl, H. J. Schneider - Castle Feuerstein, Germany
1979  U. Pape - Berlin, Germany
1980  H. Noltemeier - Bad Honnef, Germany
1981  J. Mühlbacher - Linz, Austria
1982  H. J. Schneider, H. Göttler - Neuenkirchen, Germany
1983  M. Nagl, J. Perl - Haus Ohrbeck, Germany
1984  U. Pape - Berlin, Germany
1985  H. Noltemeier - Castle Schwanberg, Germany
1986  G. Tinhofer, G. Schmidt - Bernried, Germany
1987  H. Göttler, H. J. Schneider - Kloster Banz/Staffelstein, Germany
1988  J. van Leeuwen - Amsterdam, The Netherlands
1989  M. Nagl - Castle Rolduc, The Netherlands
1990  R. Möhring - Berlin, Germany
1991  G. Schmidt, R. Berghammer - Fischbachau, Germany
1992  E. W. Mayr - Wiesbaden-Naurod, Germany
1993  J. van Leeuwen - Utrecht, The Netherlands
1994  G. Tinhofer, E. W. Mayr, G. Schmidt - Herrsching, Germany
1995  M. Nagl - Aachen, Germany
1996  G. Ausiello, A. Marchetti-Spaccamela - Como, Italy
1997  R. Möhring - Berlin, Germany
1998  J. Hromkovič - Smolenice, Slovak Republic
1999  P. Widmayer - Ascona, Switzerland
2000  D. Wagner - Konstanz, Germany
2001  A. Brandstädt - Boltenhagen near Rostock, Germany
2002  L. Kučera - Cesky Krumlov, Czech Republic
2003  H. L. Bodlaender - Elspeet, The Netherlands
2004  J. Hromkovič, M. Nagl - Bad Honnef, Germany
2005  D. Kratsch - Metz, France
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Tübingen, Germany  
Prague, Czech Republic  
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Leeds, UK  
Tohoku, Japan  
Nashville, USA  
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Bayreuth, Germany

Additional Reviewers

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