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Graph-Theoretic Concepts in Computer Science

35th International Workshop, WG 2009
Montpellier, France, June 24-26, 2009
Revised Papers

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Preface

The 35th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2009) took place at Montpellier (France), June 24–26 2009. About 80 computer scientists from all over the world (Australia, Belgium, Canada, China, Czech Republic, France, Germany, Greece, Israel, Japan, Korea, The Netherlands, Norway, Spain, UK, USA) attended the conference.

Since 1975, it has taken place 20 times in Germany, four times in The Netherlands, twice in Austria, as well as once in Italy, Slovakia, Switzerland, the Czech Republic, France, Norway, and the UK. The conference 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 conference is well-balanced with respect to established researchers and young scientists.

There were 69 submissions. Each submission was reviewed by at least three, and on average four, Program Committee members. The Committee decided to accept 28 papers. Due to the competition and the limited schedule, some good papers could not be accepted.

The program also included excellent invited talks: one given by Daniel Král on “Algorithms for Classes of Graphs with Bounded Expansion,” the other by David Eppstein on “Graph-Theoretic Solutions to Computational Geometry Problems.” The proceedings contains two survey papers on these topics.

For the second year, the Best Student Paper was awarded. The recipients of the 2009 edition were Zhentao Li and Ignasi Sau for their paper “Graph Partitioning and Traffic Grooming with Bounded Degree Request Graph.”

We wish to thank all those who contributed to the success of WG 2009, especially the authors for submitting high-quality papers, the referees and the Program Committee for their work, the speakers for their pedagogical talks and all the participants. We are grateful to all those who helped in the organization, especially the members and students of the ALGCO team of the LIRMM (Laboratoire d’Informatique, Robotique et Microélectronique de Montpellier), Céline Berger and Elisabeth Greverie. Special thanks to Alexandre Pinlou, who led all the local organization.

We should thank the EasyChair team for the service they offer, which saves to the Program Committee a lot of time. Finally, we would like to thank our sponsors: the LIRMM, Montpellier 2 University, the CNRS (Centre National de la Recherche Scientifique), the town of Montpellier and the Languedoc Roussillon district.

September 2009

Christophe Paul
Michel Habib

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The Tradition of WG

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- 1976 H. Noltemeier – Göttingen, Germany
- 1977 J. Mühlbacher – Linz, Austria
- 1978 M. Nagl, H.J. Schneider – Castler 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 near Onasbrück, Germany
- 1984 U. Pape – Berlin, Germany
- 1985 H. Noltemeier – Castle Schwanberg near Würzburg, Germany
- 1986 G. Tinhofer, G. Schmidt – Bernried near Munich, Germany
- 1987 H. Göttler, H.J. Schneider – Kloster Banz near Bamberg, Germany
- 1988 J. van Leeuwen – Amsterdam, The Netherlands
- 1989 M. Nagl – Castle Rolduc, The Netherlands
- 1990 R.H. Möhring – Berlin, Germany
- 1991 G. Schmidt, R. Berghammer – Fischbachau near Munich, Germany
- 1992 E.W. Mayr – Wiesbaden-Naurod, Germany
- 1993 J. van Leeuwen – Utrecht, The Netherlands
- 1994 G. Tinhofer, E.W. Mayr, G. Schmidt – Herrsching near Munich, Germany
- 1995 M. Nagl – Aachen, Germany
- 1996 G. Ausiello, A. Marchetti-Spaccamela – Como, Italy
- 1997 R.H. Möhring – Berlin, Germany
- 1998 J. Hromkovič, O. Sýkora – Smolenice Castle, Slovak Republic
- 1999 P. Widmayer – Ascona, Switzerland
- 2000 D. Wagner – Konstanz, Germany
- 2001 A. Brandstädt, Boltenhagen near Rostock, Germany
- 2002 L. Kučera – Český Krumlov, Czech Republic
- 2003 H.L. Bodlaender – Elspeet, The Netherlands
- 2004 J. Hromkovič, M. Nagl – Bad Honnef, Germany
- 2005 D. Kratsch – Metz, France
- 2006 F.V. Fomin – Bergen, Norway
- 2007 A. Brandstädt, D. Kratsch, H. Müller – Dornburg near Jena, Germany
- 2008 H. Broersma, T. Erlebach – Durham, UK
- 2009 C. Paul, M. Habib – Montpellier, France

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