

CALL FOR PAPERS WG 2007

33rd International Workshop on Graph-Theoretic Concepts in Computer Science

Dornburg near Jena, Germany
June 21 – 23, 2007

<http://www.teo.informatik.uni-rostock.de/wg2007/>

The conference WG 2007 continues the series of 32 previous WG's. Since 1975, it took place twenty times in Germany, four times in The Netherlands, twice in Austria as well as once in Italy, Slovakia, Switzerland, Czech Republic, France and in Norway.

WG 2007 will be held in Dornburg near Jena. The city of Jena is located in the East of Germany close to Weimar (about 30 km), the cultural capital of Europe in 1999. From outside Europe, the best way to Jena is via the international airports in Berlin, Frankfurt or Munich (München). From each of these airports, Jena can be reached within 2 to 4 hours by high-speed ICE trains. There are also local airports at Leipzig, Erfurt and Nuremberg (Nürnberg).

The conference center is located at the town of Dornburg 10 km outside Jena. Dornburg is more than 1000 years old and has three fascinating palaces located on the steep slope above the Saale river, namely the impressive structures of the Renaissance and rococo palaces and the old palace which is also the conference center. In the Renaissance palace one can visit the room where Goethe once stayed. The historic palace gardens are also well worth a visit.

Aims and Scope WG 2007 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. For many years now, the proceedings have been published in the LNCS series of Springer-Verlag. Accepted papers in final form will be due approximately two months after the conference.

Papers are solicited describing original results on all aspects of graph-theoretic concepts in Computer Science, e.g. structural graph theory, sequential, parallel, and distributed graph and network algorithms and their complexity, graph grammars and graph rewriting systems, graph-based modeling, graph-drawing and layout, diagram methods, and support of these concepts by suitable implementations. The scope of WG includes all applications of graph-theoretic concepts in Computer Science, including data structures, data bases, programming languages, computational geometry, tools for software construction, communication, computing on the web, models of the web and scale-free networks, mobile computing, concurrency, computer architectures, VLSI, artificial intelligence, graphics, CAD, operations research, and pattern recognition.

Important dates

Electronic Submission: March 2, 2007.

Notification of Acceptance: April 28, 2007.

Conference: June 21 – 23, 2007.

Submission Authors are invited to submit an extended abstract in English no longer than 10 pages on letter-size or a4-size paper using at least 11-point font (and preferably LaTeX article style 11pt a4paper). Proofs omitted due to space constraints must be put into an appendix to be read by the program committee members at their discretion. Simultaneous submission to other conferences with published proceedings is not allowed.

Instructions for electronic submissions will be posted at the conference web page. Authors unable to submit electronically should contact a co-chair of the Program Committee. Accepted papers are expected to be presented at the conference.

Invited Lectures

Klaus Jansen, Universität Kiel, Germany

Ming-Yang Kao, Northwestern University, Evanston, Illinois, USA

Program Committee

H. Bodlaender, Utrecht, the Netherlands

A. Brandstädt, Rostock, Germany (co-chair)

H. Broersma, Durham, United Kingdom

V. Chepoi, Marseille, France

T. Eiter, Vienna, Austria

T. Erlebach, Leicester, United Kingdom

M. Habib, Paris, France

M. Halldorsson, Reykjavik, Iceland

K. Iwama, Kyoto, Japan

M. Kaufmann, Tübingen, Germany

D. Kratsch, Metz, France (co-chair)

E.W. Mayr, Munich, Germany

R. McConnell, Fort Collins, Colorado, USA

K. Mehlhorn, Saarbrücken, Germany

H. Müller, Leeds, United Kingdom (co-chair)

R. Niedermeier, Jena, Germany

A. Proskurowski, Eugene, Oregon, USA

B. Westfechtel, Bayreuth, Germany

More information For more information, please check the conference website at <http://www.teo.informatik.uni-rostock.de/wg2007/>, e-mail to wg2007@univ-metz.fr, or write to

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