



# CALL FOR PAPERS – WG 2011

37TH INTERNATIONAL WORKSHOP ON  
GRAPH-THEORETIC CONCEPTS IN COMPUTER SCIENCE  
JUNE 21 – 24, 2011, TEPLÁ, CZECH REPUBLIC

[wg2011@wg2011.cz](mailto:wg2011@wg2011.cz)

<http://www.wg2011.cz>

## Plenary Speakers:

Alberto Marchetti-Spaccamela  
(Sapienza University of Rome, Italy)  
Dániel Marx (Humboldt-Universität  
zu Berlin, Germany)

## Program Committee:

Tetsuo Asano (Ishikawa, Japan)  
Andreas Brandstädt (Rostock, Germany)  
Leizhen Cai (Hongkong, China)  
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Derek Corneil (Toronto, Canada)  
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Pinar Heggernes (Bergen, Norway)  
Juraĵ Hromkovic (Zürich, Switzerland)  
Petr Kolman (Praha, Czech Republic)  
Jan Kratochvíl (Praha, Czech Rep., chair)  
Luděk Kučera (Praha, Czech Republic)  
Ernst Mayr (München, Germany)  
Haiko Müller (Leeds, UK)  
Sang-il Oum (Daejeon, Korea)  
Christophe Paul (Montpellier, France)  
Andrzej Proskurowski (Eugene, OR, USA)  
Michal Stern (Tel Aviv, Israel)  
Dimitrios Thilikos (Athens, Greece)  
Dorothea Wagner (Karlsruhe, Germany)

## Important dates:

Submission of papers	March 5, 2011
Acceptance notification	April 30, 2011
Early registration	May 15, 2011
Final version due	July 30, 2011

## Local Organizers:

Tomáš Kaiser  
Petr Kolman (chair)  
Anna Kotěšovcová  
Martin Koutecký  
Tomáš Vyskočil

## Sponsors:

DIMATIA - Center for Discrete  
Mathematics and Theoretical  
Computer Science  
ITI - Institute for Theoretical Computer  
Science, Charles University, Prague

**Scope:** WG conferences aim to unite theory and practice by demonstrating how Graph-Theoretic concepts can be applied to various areas of Computer Science and by extracting new problems from applications. The goal is to present recent results and to identify and explore directions of future research.

Submitted papers should describe original results in any aspects and areas of Graph Theory in Computer Science, including but not restricted to

- Structural graph theory with algorithmic or complexity applications,
- Sequential, parallel, randomized, parameterized, and distributed graph and network algorithms and their complexity,
- Computational complexity of graph and network problems,
- Computational geometry,
- Graph grammars, graph rewriting systems, and graph-based modeling,
- Graph-drawing and layouts,
- Random graphs and models of the web and scale-free networks, and
- Support of these concepts by suitable implementations and applications.

**Submissions:** The submission must not exceed 12 pages in Springer-Verlag Lecture Notes  $\LaTeX$  style. A clearly marked appendix that will be read at the discretion of the program committee may be added. Simultaneous submission of papers to any other conference with published proceedings or submitting papers previously accepted for journal publication is not allowed. Only electronic submissions in PostScript or Portable Document Format (PDF) are accepted.

**Proceedings:** Invited papers and accepted contributions will be published in the conference proceedings in Lecture Notes in Computer Science, Springer-Verlag.

**Location:** The conference will take place in the premises of a Premonstratensian Monastery in Teplá in West Bohemia. The monastery was founded in 1193 and for centuries it was a cultural and scientific center of the region – one of the abbots was a former rector of Charles University, and the monastery played an important role in founding a first spa near a mineral spring in the area, nowadays the well known spa town Mariánské Lázně (Marienbad). After a hiatus in the second half of the 20th century (when the monastery was used as military barracks) it is now returning to its originally intended use and is again becoming a center of spiritual life. The newly restored meeting halls will host the scientific program of WG 2011 and the participants will have a chance to enjoy the large park for morning or afternoon strolls. An excursion is planned to the spa town Mariánské Lázně and a nearby Chodovar brewery.