

# IWOCA 2010

## CALL FOR PAPERS

21ST INTERNATIONAL WORKSHOP ON COMBINATORIAL ALGORITHMS  
26–28 JULY 2010, LONDON, UNITED KINGDOM

[iwoca2010@kcl.ac.uk](mailto:iwoca2010@kcl.ac.uk)

<http://www.iwoca.org/iwoca2010>

### Invited Speakers

A. Frieze (Carnegie Mellon University)  
G. Kucherov (LIFL & CNRS & INRIA)  
M. Miller (University of Newcastle, Australia)  
D. Wagner (University of Karlsruhe)

### Steering Committee

C. Iliopoulos (King's College London)  
M. Miller (University of Newcastle, Australia)  
W. Smyth (McMaster University)

### Program Committee

S. Arumugam (Kasalingam University)  
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L. Brankovic (University of Newcastle)  
G. Brodal (Aarhus University)  
C. Colbourn (Arizona State University)  
M. Crochemore (King's College London)  
D. Donovan (University of Queensland)  
M. Fellows (University of Newcastle)  
J. Fiala (Charles University of Prague)  
A. Fraenkel (Weizmann Institute)  
A. Frieze (Carnegie Mellon University)  
D. Froncek (University of Minnesota Duluth)  
R. Grossi (University of Pisa)  
J. Holub (Czech Technical Univ. Prague)  
S.-H. Hong (University of Sydney)  
C. Iliopoulos (co-chair, King's College London)  
R. Klasing (LaBRI & CNRS)  
R. Kosaraju (Johns Hopkins University)  
J. Kratochvil (Charles University of Prague)  
M. Kubica (Warsaw University)  
M. Miller (University of Newcastle, Australia)  
L. Mouchard (University of Rouen)  
I. Munro (University of Waterloo)  
K. Park (Seoul National University)  
S. Puglisi (Royal Melbourne Inst. Technology)  
M.S. Rahman (Bangladesh U. Eng. & Tech.)  
R. Raman (University of Leicester)  
M. Smid (Carleton University)  
W. Smyth (co-chair, McMaster University)  
I. Stewart (University of Durham)  
E. Upfal (Brown University)  
K. Wada (Nagoya Institute of Technology)  
D. Wagner (University of Karlsruhe)  
S. Whitesides (University of Victoria)  
C. Zaroliagis (CTI & University of Patras)  
L. van Zijl (Stellenbosch University)  
M. Ziv-Ukelson (Ben Gurion University)

### Organizing Committee

C. Cooper, M. Crochemore, A.D. Ullah,  
C. Iliopoulos, L. Kapsokalivas, L. Mouchard,  
S. Pissis, T. Radzik (co-chair), K. Steinhöfel,  
G. Tischler (co-chair)

**Location** The conference will take place at King's College London, which is located in the heart of London within a walking distance to Houses of Parliament, St Paul's Cathedral, Trafalgar Square, British Museum and West End theatres.

**Scope** The series of IWOCA conferences grew out of a 17 year history of AWOCA - Australasian Workshops on Combinatorial Algorithms. Previous AWOCA and IWOCA meetings have been held in Australia, Indonesia, Korea, Japan and Czech Republic. IWOCA 2010 continues the long and well-established tradition of encouraging high-quality research in theoretical computer science and bringing together specialists and young researchers working in the area. The scientific program will include invited lectures covering the areas of main interest, accepted contributed talks, posters, and a problem session.

The topics of the workshop include (but are not restricted to)

- Algorithms and Data Structures
- Applications (including Bioinformatics, Music Analysis, Networking)
- Combinatorics of Words and Strings
- Combinatorial Optimization
- Combinatorial Enumeration
- Decompositions and Combinatorial Designs
- Complexity Theory (Structural and Computational)
- Computational Biology
- Discrete and Computational Geometry (including Graph Drawing)
- Databases (Security, Compression and Information Retrieval)
- Graph Theory and Combinatorics

**Submissions** The paper submission must not exceed 12 pages in Springer-Verlag LNCS 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 previously published papers is not allowed. Only electronic submissions in postscript or pdf formats are accepted. Those who wish to present a poster should submit a copy of the poster or a two-page summary of its content.

**Proceedings** The conference proceedings with invited papers and accepted contributions will be published after the conference as a volume of Springer-Verlag Lecture Notes in Computer Science.

### Important dates

<b>Papers:</b>	submission	25 April 2010
	notification of acceptance	4 June 2010
	final version for LNCS proceedings	31 August 2010
<b>Posters:</b>	submission	11 June 2010
	notification of acceptance	18 June 2010
<b>Early registration:</b>		25 June 2010
<b>Conference:</b>		26-28 July 2010

### Sponsors

King's College London  
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