Call for Papers
SIROCCO'2006

13th Colloquium on Structural Information and Communication Complexity
July 3-5, 2006, Chester, United Kingdom

Conference Chair:

David Peleg
Department of Computer Science
and Applied Mathematics
Weizmann Institute of Science

Program Committee:

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Shlomi Dolev (Ben-Gurion)
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Tomasz Radzik (Kings College)
Violet R. Syrotiuk (Arizona State)
Roger Wattenhofer (ETH)
Masafumi Yamashita (Kyushu)
Shmuel Zaks (Technion)

Invited Speakers:

Hagit Attiya (Technion)
Danny Krizanc (Wesleyan)
Roger Wattenhofer (ETH)

Organizing Committee:

Christoph Ambühl
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Leszek Gąsieniec (chair)
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Conference: The Colloquia on Structural Information and Communication Complexity (SIROCCO) focus on the relationship between computing and communication, i.e., the study of those factors that are significant for the computability and the communication complexity of problems and on the interplay between structure, knowledge and complexity. The Colloquia provide an opportunity to bring together specialists interested in the fundamental principles underlying all computing through communication.

SIROCCO prides itself on being a lively venue, which encourages the emergence of new research areas (related to distributed computing in a broad sense) and the dissemination of original ideas. This is achieved by dedicating ample time for informal discussions and open problem sessions in addition to regular conference activities. Original papers are solicited from all those areas where the interplay between complexity and communication takes place. In particular from: distributed computing, high-speed networks, interconnection networks, mobile computing, optical computing, parallel computing, sensor networks, wireless networks, and related areas.

Topics of interest include (but are not limited to): communication complexity, distributed algorithms and data structures, information dissemination, mobile agent computing, models of communication, network topologies, routing protocols, sense of direction, structural properties.

Submissions: Authors are invited to submit their work in one of the three acceptable formats: *novel research contributions*, *position papers*, and *surveys*. A Postscript/PDF version of the paper (not exceeding 12 pages) together with at most 20 lines of abstract in ASCII format, via the conference web page http://sirocco06.csc.liv.ac.uk/ (preferably) or by e-mail to sirocco06@csc.liv.ac.uk, no later than *February 17*, 2006. Authors who are unable to submit electronically should contact the organisers. No simultaneous submission to other conferences with published proceedings is allowed.

The proceedings of the conference are published by Springer Verlag. Selected papers will be invited to the special issue of a high quality journal devoted to SIROCCO 2006 (in the past three years it has been with Theoretical Computer Science).

Important dates:

Deadline for submission:	February 17, 2006
Notification to authors:	March 20, 2006
Final version:	April 14, 2006
Symposium:	July 3-5, 2006

More information: SIROCCO will be co-located with CAAN (*3rd Workshop on Combinatorial and Algorithmic Aspects of Networking and the Internet*), which will take place on July 2nd.

One of our goals is to keep the costs of the conference on the lowest possible level. We are happy to announce that with kind generosity of the EPSRC we will be able to provide several grants for young researchers and postgraduate students. For more up to date information check the url of SIROCCO'06 http://sirocco06.csc.liv.ac.uk/ regularly.