

Call-for-Papers

SIROCCO 2007

14th Colloquium on Structural Information and Communication Complexity

June 6-8, 2007, Castiglioncello (LI), Italy

<http://www.di.unipi.it/SIROCCO2007>

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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.

Scope: 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, autonomous robots, 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, selfish computing.

Submission: Authors are invited to submit their work via the conference web page <http://www.di.unipi.it/SIROCCO2007>, in ps or pdf format (not exceeding 12 pages), together with an abstract (not exceeding 20 lines) in ascii format. Authors who are unable to submit their work electronically should contact the organizers. The proceedings of the conference are published in the Springer-Verlag LNCS series. No simultaneous submission to other conferences with published proceedings is allowed. Selected papers will be invited to the special issue of a high quality journal devoted to SIROCCO 2007 (in the past it has been with Theoretical Computer Science).

Important dates: *Deadline for submission:* **JANUARY 26, 2007**
Notification to authors: **MARCH 2, 2007**
Final version: **MARCH 23, 2007**
Symposium: **JUNE 6-8, 2007**

Joint events: SIROCCO 2007 will be co-located with FUN (<http://www.di.unipi.it/fun07>), June 3-5, 2007, and with a meeting of the EU GRAAL (COST 293) action (<http://www.cost293.org>), June 4-5, 2007. The sessions of the invited talks will be joined with the GRAAL meetings.

Invited speakers: Hans Bodlaender *Utrecht*
Luisa Gargano *Salerno*
S. Muthukrishnan *Google*
Alessandro Panconesi *Rome*

Location: The conference will be held in the 19th century Pasquini Castle, in the elegant town of Castiglioncello, which is one of the most beautiful localities of coastal Leghorn. It is located at the start of "Costa degli Etruschi" (the Etruscan Coast), and is one of its most desired destinations (<http://www.rivieratoscana.com/en/ct/riviera/castiglioncello.asp>). Castiglioncello is a panoramic view point, with thriving pine forests and spectacular rocks.