First Call For Papers – SIROCCO '99

6th International Colloquium on Structural Information and Communication Complexity

Lacanau, France
July 1 – 3, 1999

Important Dates

Submission of Papers	:	February 12, 1999
Notification	:	March 29, 1999
Camera-ready	:	April 23, 1999
Colloquium	:	July 1-3, 1999

Information

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Aims and Scope

The *6th Colloquium on Structural Information and Communication Complexity* is organized by LaBRI (Laboratoire Bordelais de Recherche en Informatique). This conference will focus on the relationship between computing and communication, i.e., the study of those factors which are significant for the computability and the communication complexity of problems, and on the interplay between structure, knowledge and complexity in systems of communicating agents.

The Colloquium is designed to bring together researchers interested in the fundamental principles underlying all computing through communication. The Colloquium will be held close to Bordeaux, France.

Original papers are solicited on the interplay between structure, algorithmics, knowledge and complexity in distributed computing, high-speed networks, interconnection networks, mobile computing, optical computing, parallel computing, wireless networks, ...

Topics of interest include (but are not limited to):

- communication complexity
- complexity of constructing and maintaining structural information
- models of communication
- network topologies
- routing schemes
- sense of direction
- structural properties and computability
- topological awareness and metric information
- topology-dependent communication, broadcasting and gossiping

The colloquium will be comprised of position papers (outlining open problems, research directions, etc.), research papers, and three invited talks.

Submission

Manuscripts consist of an extended abstract of **at most** 15 pages, clearly indicating the type of submission (i.e., *position*, or *research*).

- Electronic submissions consisting of a readable PostScript™ file are strongly encouraged. The PostScript™ file of at most 15 pages should be sent via the SIROCCO '99 home page: http://dept-info.labri.u-bordeaux.fr/sirocco99/
- Authors who are unable to submit electronically should send 12 hard copies of their manuscript to arrive by February 12, 1999 or earlier and sent airmail to:

Cyril Gavoille
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The **deadline** for submission of papers is **February 12**. Authors will be notified regarding the acceptance of their papers by electronic mail by March 29. Authors should include their electronic address.

Proceedings

The official proceedings will be published by **Carleton Scientific** and distributed during the conference. A selection will be proposed for a special issue of the journal of **Theoretical Computer Science**.