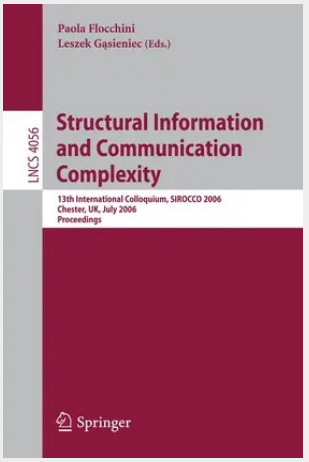
Flocchini / Gasieniec

Structural Information and Communication Complexity

13th International Colloquium, SIROCCO 2006, Chester, UK, July 2-5, 2006, Proceedings

This book constitutes the refereed proceedings of the 13th International Colloquium on Structural Information and Communication Complexity, SIROCCO 2006, held in Chester, UK, July 2006. The book presents 24 revised full papers together with three invited talks, on topics in distributed and parallel computing, information dissemination, communication complexity, interconnection networks, high speed networks, wireless and sensor networks, mobile computing, optical computing, autonomous robots, and related areas.

The Colloquium on Structural Information and Communication Complexity (SIROCCO) is an annual meeting focused on the relationship between algori- mic aspects of computing and communication. Over its 13 years of existence, SIROCCO has become an acknowledged forum bringing together specialists - terestedinthe fundamentalprinciplesunderlyingthe interplaybetweeninfor- tion,communicationandcomputing.SIROCCOcoverstopicssuchasdistributed computing, high-speed networks, interconnection networks, mobile computing, optical computing, parallel computing, sensor networks, wireless networks, - tonomous robots, and related areas. SIROCCO 2006 was the 13th in this series, held in Chester, UK, July 3–5, 2006. Previous SIROCCO colloquia took place in Ottawa (1994), Olympia (1995), Siena (1996), Ascona (1997), Amal? (1998), Lacanau-Océan (1999), L'Aquila (2000), Val de Nuria (2001), Andros (2002), Umeå (2003), Smolenice Castle (2004), and Mont Saint-Michel (2005). In the tradition of previous occasions, this year's SIROCCO was a lively event, encouraging the emergence of new research areas (related to distributed computing in a broad sense) and the dissemination of original ideas. This was achieved by dedicating ample time for informal discussions and open problem sessions in addition to regular conference activities.
The68contributionssubmittedtoSIROCCO2006weresubjecttoathorough refereeing process and 24 high-quality submissions were selected for publication. We would like to thank the authors of all the submitted papers. The excellent quality of the ?nal program is also due to the dedicated and careful work of the Program Committee members. Our gratitude extends to the numerous subr- erees for their valuable help.



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