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Structural Information and Communication Complexity

12th International Colloquium, SIROCCO 2005
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Proceedings



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Preface

The Colloquium on Structural Information and Communication Complexity (SIROCCO) is an annual meeting focused on the relationship between algorithmic aspects of computing and communication. Over its 12 years of existence, SIROCCO has become an acknowledged forum bringing together specialists interested in the fundamental principles underlying interplay between information, communication and computing.

SIROCCO 2005 was the twelfth in this series, held in Mont Saint-Michel, France, May 24–26, 2005. Previous SIROCCO colloquia took place in Ottawa (1994), Olympia (1995), Siena (1996), Ascona (1997), Amalfi (1998), Lacanau-Océan (1999), L’Aquila (2000), Val de Nuria (2001), Andros (2002), Umeå (2003) and Smolenice Castle (2004).

SIROCCO covers topics such as distributed and parallel computing, information dissemination, communication complexity, interconnection networks, high-speed networks, wireless networks, mobile computing, optical computing, and related areas.

The 48 contributions submitted to SIROCCO 2005 were subject to a thorough refereeing process and 22 high-quality submissions were selected for publication. We thank the Program Committee members for their excellent and careful work. Our gratitude extends to the numerous subreferees for their valuable refereeing. We also acknowledge the effort of all authors who submitted their contributions.

We thank the invited speakers at this colloquium, Amotz Bar-Noy (New York) and Cyril Gavoille (Bordeaux) for accepting our invitation to share their insights on new developments in their areas of interest. Amotz Bar-Noy delivered a talk “*Cellular Networks: Where Are the Mobile Users?*” and Cyril Gavoille presented “*Distributed Data Structures: a Survey*”

We would like to express our sincere gratitude to the Steering Committee chair David Peleg (Rehovot) for his enthusiasm and invaluable consultations, and to the organizing team chaired by Elisabeth Lebreton from INRIA. Special thanks are due to Rastislav Kráľovič who, besides being a Program Committee member, helped us a lot with all technical work. Finally, we would like to thank IRISA, INRIA, the Université de Rennes 1 and the “Fondation Michel Metivier” for their support.

May 2005

Andrzej Pelc and Michel Raynal

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