Theoretical Computer Science

Special Issue on
Number Theory, Combinatorics and Applications
to Computer Science
Selected Papers of the
10th "Journées Mathématiques–Informatique",
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Guest Editors

C. Mauduit and J.-L. Nicolas
Université Claude Bernard Lyon 1, Logique, Mathématiques Discrètes et Informatique,
43 bl. 11 novembre 1918, 69622 Villeurbanne Cedex, France

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Preface

Since 1982, the yearly "Journées Mathématiques-Informatique" have been bringing together mathematicians and computer scientists working within the common part of these fields. They allow people who contribute to the development of fundamental mathematical notions useful to computer science to meet, exchange views and ask questions that may initiate new mathematical methods.

The tenth "Journées", which took place at the CIRM in Luminy near Marseille from 14 to 16 October 1991, provided an interesting survey on recent results in number theory and combinatorics, as well as about some of their applications to computer science.

The present issue contains a selection of papers presented during these tenth "Journées Mathématiques-Informatique", ranging from number theory to ergodic theory, through combinatorics and automata, including computational aspects.

We sincerely hope that this special issue of Theoretical Computer Science will help to keep the cooperation between mathematicians and computer scientists to a high level.

Christian Mauduit and Jean-Louis Nicolas
Guest Editors