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WALCOM: Algorithms and Computation

4th International Workshop, WALCOM 2010
Dhaka, Bangladesh, February 10-12, 2010
Proceedings

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Preface

WALCOM 2010, the 4th International Workshop on Algorithms and Computation, held during February 10–12, 2010 in Dhaka, Bangladesh, covered the areas of approximation algorithms, combinatorial algorithms, combinatorial optimization, computational Biology, computational geometry, data structures, graph algorithms, graph drawing, parallel and distributed algorithms, parameterized complexity, network optimization, online algorithms, randomized algorithms and string algorithms. The workshop was organized jointly by the Bangladesh Academy of Sciences (BAS) and Bangladesh University of Engineering and Technology (BUET), and the quality of the workshop was ensured by a Program Committee comprising 25 researchers of international repute from Australia, Bangladesh, Canada, France, Germany, Greece, Hong Kong, Hungary, India, Italy, Japan, Switzerland, Taiwan, UK and USA.

This volume contains 23 contributed papers and four invited papers presented at WALCOM 2010. The Call for Papers received an enthusiastic response, resulting in 60 submissions from 21 countries. The Program Committee thoroughly reviewed each of the 60 submissions and accepted 23 of them for presentation in the workshop after elaborate discussions on review reports. The image of the workshop was highly enhanced by the four invited talks of eminent and well-known researchers Tetsuo Asano of JAIST, Japan, Subir Kumar Ghosh of TIFR, India, Giuseppe Liotta of University of Perugia, Italy and János Pach of EPFL Lausanne, Switzerland and Rényi Institute Budapest, Hungary.

As editors of this proceedings, we would like to thank all the authors who submitted their papers to WALCOM 2010. Our sincere appreciation goes to the invited speakers for joining us and presenting their talks on recent research areas of computer science from which researchers of this field will be immensely benefited. We thank the members of the Program Committee and external reviewers for their wonderful job in reviewing the manuscripts. We acknowledge the Steering Committee members for their continuous encouragement. We also thank the advisory committee members M. Shamsheer Ali, Naiyyum Choudhury and A.M.M. Safiullah for their inspiring support to this workshop. We are indebted to the Organizing Committee led by M. Kaykobad and Md. Monirul Islam for their excellent services that made the workshop a grand success. We thank M.A. Mazed for his prompt organizational support and appreciate Debajyoti and Rahnuma for their tireless effort for the workshop.

We would like to thank Springer for publishing these proceedings in their prestigious LNCS series. This workshop is in cooperation with Technical Committee on Computation, IEICE, and Special Interest Group for Algorithms, IPSJ. We acknowledge the EasyChair conference system—a free conference management

system that is flexible, easy to use, and has many features to make it suitable for various conference models. Finally, we thank our sponsors for their assistance and support.

February 2010

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