

Preface

In the summer of 2012, we organized a three day “Computational Complexity” workshop at the Indian Institute of Technology, Kanpur, India, in honor of Professor Somenath Biswas to celebrate his 60th birthday. It was a fitting event for the occasion, well-attended by several well-known experts in the field from different parts of the world.

Professor Biswas is one of the first complexity theorists from India. In his teaching and research career spanning over 30 years, apart from doing quality research, he has contributed immensely to the development of the field in India. We felt that to bring out a *festschrift* volume of articles in complexity theory, based partly on the talks at the workshop, would be a lasting tribute. We are deeply grateful to the eminent researchers who enthusiastically agreed to contribute articles for this project and also helped, in a cross-refereeing process, with refereeing each other’s contributed articles. These articles span different aspects of recent complexity theory research, including the isomorphism conjecture, arithmetic circuit complexity, space-bounded complexity classes, proof complexity, applications of entropy, and the complexity of graph isomorphism. As former students of Somenath Biswas, we feel privileged to edit this volume. It is an expression, as it were, of our affection and regard for him.

We are grateful to Eric Allender for his valuable advice and support from the early stages of this book project, and for suggesting the “Progress in Computer Science and Applied Logic” Springer-Birkhäuser series. We would also like to thank Erich Grädel, the chief editor of the series for enthusiastically supporting the project.

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