

Preface

The field of Cryptology witnessed a revolution in the late seventies. Since then it has been expanded into an important and exciting area of research. Over the last two decades, India neither participated actively nor did it contribute significantly towards the development in this field. However, recently a number of active research groups engaged in important research and developmental work have crystallized in different parts of India. As a result, their interaction with the international crypto community has become necessary. With this backdrop, it was proposed that a conference on cryptology – INDOCRYPT, be organized for the first time in India. The Indian Statistical Institute was instrumental in hosting this conference. INDOCRYPT has generated a large amount of enthusiasm amongst the Indians as well as the International crypto communities. An INDOCRYPT steering committee has been formed and the committee has plans to make INDOCRYPT an annual event.

For INDOCRYPT 2000, the program committee considered a total of 54 papers and out of these 25 were selected for presentation. The conference program also included two invited lectures by Prof. Adi Shamir and Prof. Eli Biham.

These proceedings include the revised versions of the 25 papers accepted by the program committee. These papers were selected from all the submissions based on originality, quality and relevance to the field of Cryptology. Revisions were not checked and the authors bear the full responsibility for the contents of the papers in these proceedings.

The selection of the papers was a very difficult and challenging task. I wish to thank all the Program Committee members who did an excellent job in reviewing the papers and providing valuable feedback to the authors. Each submission was reviewed by at least three (only a few by two) reviewers. The program committee was assisted by many colleagues who reviewed submissions in their areas of expertise. The list of external reviewers has been provided separately. My thanks go to them all.

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In organizing the scientific program and putting together these proceedings I have been assisted by many people. In particular I would like to thank Subhamoy Maitra, Sarbani Palit, Arindom De, Kishan Chand Gupta, and Sandeepan Chowdhury.

Finally I wish to thank all the authors who submitted papers, making this conference possible, and the authors of successful papers for updating their papers in a timely fashion, making the production of these proceedings possible.

December 2000

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