

图书基本信息

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前言

The Fourth China International Conference on Information Security and Cryptology ( Inscrypt 2008 ) was co-organized by the State Key Laboratory of Information Security and by the Chinese Association for Cryptologic Research. The conference was held in Beijing, China in mid-december, and was further sponsored by the Institute of Software, the Graduate University of the Chinese Academy of Sciences and the National Natural Science Foundations of China. Given its four year success, Inscrypt is now a tradition. It is, in fact, a leading annual international event in the area of cryptography and information security taking place in China. We are pleased to report the continuous support of the entire community: authors, attendees, committee members, reviewers, sponsors and organizers. This state of affairs reflects the fact that the research areas covered by Inscrypt are important to modern computing, where increased security, trust, safety and reliability are required. This need makes sure that the relevant research community, world wide, continues producing important fundamental, experimental and applied work in the wide areas of cryptography and information security research. It is not a surprise that the scientific program of Inscrypt 2008 covered numerous fields of research within these general areas. The International Program Committee of Inscrypt 2008 received a total of 183 submissions from 23 countries and regions, from which only 28 submissions were selected for presentation as regular papers which are published by Springer in the series of Lecture Notes in Computer Science, and 12 submissions were selected as short paper presentations which are published in this proceedings. All anonymous submissions were reviewed by experts in the relevant areas and based on their ranking, technical remarks and strict selection criteria the papers were chosen to the various tracks. The selection to both tracks was a highly " competitive process. We also note that reviews of submissions by committee members were hidden from their authors throughout the entire review process. We further noted that due to the conference format, many good papers have not been accepted regrettably. Inscrypt 2008 was made possible by the joint efforts of numerous people and organizations worldwide. We take this opportunity to thank the Program Committee members and the external experts they employed for their invaluable help in producing the conference program. We further thank the conference Organizing Committee, the various sponsors and the conference attendees. Last but not least, we express our great gratitude to all the authors who submitted papers to the conference, the invited speakers and the session Chairs.

## 内容概要

本书是2008年12月在北京召开的第四届中国密码学与信息安全国际会议(The 4th China International Conference on InformarionSecurity and Cryptology-Inscrypt 2008)的短文论文集。Inscrypt系列国际会议是由信息安全国家重点实验室发起,与中国密码学会联合举办的高水平国际会议,每年在中国举办一次,该会议论文集由Springer出版社出版。本书收录了这次会议的短文12篇。主要内容包包括密码算法、数字签名与认证、安全协议、密码实现与应用等。本书可供从事密码学、信息安全、通信与信息系统、计算机应用技术等专业的科技人员和高等院校师生参考。

书籍目录

I Stream Cipher and Elliptic Curve Algorithm Cryptanalysis of Generalized Self-shrinking Generator Fast Scalar Multiplication on a Family of Supersingular Curves over  $\mathbb{F}_{2^m}$  II Digital Signature and Authentication Scheme An Efficient Proxy Signature Scheme without Random Oracle Model Provable Secure Signature Scheme with Partial Sanitization and Disclosure " An Evaluation of Improvement Scheme for Boundary Problem in Cancelable Biometrics Based on Block Scramble III Key Management Protocols Strongly Secure Authenticated Key Exchange Protocol Based on Computational Diffie-Hellman Problem New Two-Party Identity-based Authenticated Key Agreement Protocol without Random Oracles A Multilevel Secure Key Predistribution Scheme in Wireless Sensor Networks IV Hardware Implementation and Side Channel Attack FPGA & ASIC Implementation of Differential Power Analysis Attack on AES ..... V Applications and Steganography Author Index

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