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Steven D. Galbraith (Ed.)

Cryptography and Coding

11th IMA International Conference
Cirencester, UK, December 18-20, 2007
Proceedings

Volume Editor

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Library of Congress Control Number: 2007940956

CR Subject Classification (1998): E.3-4, G.2.1, C.2, J.1

LNCS Sublibrary: SL 4 – Security and Cryptology

ISSN	0302-9743
ISBN-10	3-540-77271-5 Springer Berlin Heidelberg New York
ISBN-13	978-3-540-77271-2 Springer Berlin Heidelberg New York

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© Springer-Verlag Berlin Heidelberg 2007
Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India
Printed on acid-free paper SPIN: 12203093 06/3180 5 4 3 2 1 0

Preface

The 11th IMA Conference on Cryptography and Coding was held at the Royal Agricultural College, Cirencester, UK during December 18–20, 2007. As usual, the venue provided a relaxed and convivial atmosphere for attendees to enjoy the conference programme and discuss current and future research ideas.

The programme comprised three invited talks and 22 contributed papers. The invited speakers were Jonathan Katz (University of Maryland, USA), Patrick Solé (Ecole Polytechnique de l'Université de Nice-Sophia Antipolis, France) and Whit Diffie (Sun Microsystems, USA). Special thanks are due to these speakers. Two of the invited speakers provided papers, included in this volume, which highlight the connections between cryptography, coding theory and discrete mathematics.

The contributed talks were selected from 48 submissions. The accepted papers cover a range of topics in mathematics and computer science, including symmetric and public key cryptography, Boolean functions, sequences, efficient implementation and side-channel analysis.

I would like to thank all the people who helped with the conference programme and organization. First, I thank the Steering Committee for their guidance on the general format of the conference and for suggestions of members of the Programme Committee. I also heartily thank the Programme Committee and the sub-reviewers listed on the following pages for their thoroughness during the review process. Each paper was reviewed by at least three people. There was significant online discussion about a number of papers.

The submission and review process was greatly simplified by the ichair software developed by Thomas Baignères and Matthieu Finiasz. Thanks also to Jon Hart for running the submissions Web server and Sriram Srinivasan for designing and maintaining the conference Web page.

Thanks go to the authors of all submitted papers. I also thank the authors of accepted papers for revising their papers according to referee suggestions and returning latex source files in good time. The revised versions were not checked by the Programme Committee so authors bear full responsibility for their contents. I thank the staff at Springer for their help with producing the proceedings.

I thank Hewlett-Packard and Vodafone for their sponsorship of this event.

Finally, I wish to thank the conference staff of the Institute for Mathematics and its Applications, especially Lucy Nye and Sammi Lauesen, for their help with running the conference and handling the finances.

Cryptography and Coding 2007

Royal Agricultural College, Cirencester, UK
December 18–20, 2007

Sponsored by
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Table of Contents

Invited Papers

Efficient Cryptographic Protocols Based on the Hardness of Learning Parity with Noise	1
<i>Jonathan Katz</i>	
Galois Rings and Pseudo-random Sequences	16
<i>Patrick Solé and Dmitrii Zinoviev</i>	

Signatures I

Finding Invalid Signatures in Pairing-Based Batches	34
<i>Laurie Law and Brian J. Matt</i>	
How to Forge a Time-Stamp Which Adobe's Acrobat Accepts	54
<i>Tetsuya Izu, Takeshi Shimoyama, and Masahiko Takenaka</i>	

Boolean Functions

Efficient Computation of the Best Quadratic Approximations of Cubic Boolean Functions	73
<i>Nicholas Kolokotronis, Konstantinos Limniotis, and Nicholas Kalouptsidis</i>	
On the Walsh Spectrum of a New APN Function	92
<i>Carl Bracken, Eimear Byrne, Nadya Markin, and Gary McGuire</i>	
Non-linear Cryptanalysis Revisited: Heuristic Search for Approximations to S-Boxes	99
<i>Juan M.E. Tapiaador, John A. Clark, and Julio C. Hernandez-Castro</i>	

Block Cipher Cryptanalysis

Cryptanalysis of the EPBC Authenticated Encryption Mode	118
<i>Chris J. Mitchell</i>	
Blockwise-Adaptive Chosen-Plaintext Attack and Online Modes of Encryption	129
<i>Gregory V. Bard</i>	
Algebraic Cryptanalysis of the Data Encryption Standard	152
<i>Nicolas T. Courtois and Gregory V. Bard</i>	

Side Channels

Cryptographic Side-Channels from Low Power Cache Memory	170
<i>Philipp Grabher, Johann Großschädl, and Daniel Page</i>	
New Branch Prediction Vulnerabilities in OpenSSL and Necessary Software Countermeasures	185
<i>Onur Acıgmez, Shay Gueron, and Jean-Pierre Seifert</i>	

Linear Complexity

Remarks on the New Attack on the Filter Generator and the Role of High Order Complexity	204
<i>Panagiotis Rizomiliotis</i>	
Modified Berlekamp-Massey Algorithm for Approximating the k -Error Linear Complexity of Binary Sequences	220
<i>Alexandra Alecu and Ana Sălăgean</i>	

Public Key Encryption

Efficient KEMs with Partial Message Recovery	233
<i>Tor E. Bjørstad, Alex W. Dent, and Nigel P. Smart</i>	
Randomness Reuse: Extensions and Improvements	257
<i>Manuel Barbosa and Pooya Farshim</i>	
On the Connection Between Signcryption and One-Pass Key Establishment	277
<i>M. Choudary Gorantla, Colin Boyd, and Juan Manuel González Nieto</i>	

Curves

Optimised Versions of the Ate and Twisted Ate Pairings	302
<i>Seiichi Matsuda, Naoki Kanayama, Florian Hess, and Eiji Okamoto</i>	
Extractors for Jacobian of Hyperelliptic Curves of Genus 2 in Odd Characteristic	313
<i>Reza Rezaeian Farashahi</i>	
Constructing Pairing-Friendly Elliptic Curves Using Gröbner Basis Reduction	336
<i>Waldyr D. Benits Junior and Steven D. Galbraith</i>	

RSA Implementation

Efficient 15,360-bit RSA Using Woop-Optimised Montgomery Arithmetic	346
<i>Kamel Bentahar and Nigel P. Smart</i>	
Toward Acceleration of RSA Using 3D Graphics Hardware	364
<i>Andrew Moss, Daniel Page, and Nigel P. Smart</i>	

Signatures II

Multi-key Hierarchical Identity-Based Signatures	384
<i>Hoon Wei Lim and Kenneth G. Paterson</i>	
Verifier-Key-Flexible Universal Designated-Verifier Signatures	403
<i>Raylin Tso, Juan Manuel González Nieto, Takeshi Okamoto, Colin Boyd, and Eiji Okamoto</i>	
Author Index	423