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Proceedings

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Preface

The 11th Information Security Conference (ISC 2008) was held in Taipei, Taiwan, September 15–18, 2008. ISC is an annual international conference covering research in theory and applications of information security. It was first initiated as a workshop (ISW) in Japan in 1997. This was followed by ISW 1999 in Malaysia and ISW 2000 in Australia. ISW became ISC when it was held in Spain in 2001 (ISC 2001). The latest conferences were held in Brazil (ISC 2002), UK (ISC 2003), USA (ISC 2004), Singapore (ISC 2005), Greece (ISC 2006), and Chile (ISC 2007). This year the event was sponsored by the Chinese Cryptology and Information Security Association (Taiwan), the Taiwan Information Security Center of the Research Center for IT Innovation (Academia Sinica, Taiwan), the National Taiwan University of Science and Technology (Taiwan), the NTU Center for Information and Electronics Technologies (Taiwan), Academia Sinica (Taiwan), the National Science Council (Taiwan), the Ministry of Education (Taiwan), the Taipei Chapter of the IEEE Computer Society (Taiwan), BankPro E-service Technology Co., Ltd. (Taiwan), Exsior Data & Information Technology, Inc. (Taiwan), Giga-Byte Education Foundation (Taiwan), Hewlett-Packard Taiwan, Hivocal Technologies, Co., Ltd. (Taiwan), Microsoft Taiwan, Paysecure Technology Co., Ltd. (Taiwan), Symlink (Taiwan), and Yahoo! Taiwan Holdings Limited (Taiwan Branch).

In order to cover the conference's broad scope, this year's main Program Committee consisted of 61 experts from 22 countries. Additionally, the conference also featured a special AES Subcommittee, chaired by Vincent Rijmen (Graz University of Technology, Austria).

The conference received 134 submissions from 31 countries, 33 (including 4 in the AES special session) of which were selected by the committee members for presentation at the conference, based on quality, originality and relevance. Each paper was anonymously reviewed by at least three committee members. In order to encourage and promote student participation, the ISC 2008 Program Committee selected three student-coauthored papers for the Best Student Paper award, one from each region: Asia, Europe, and the Americas. The papers were, respectively, "Deterministic Constructions of 21-Step Collisions for the SHA-2 Hash Family," by Somitra Sanadhya and Palash Sarkar (Indian Statistical Institute, India), "Collisions for RC4-Hash," by Sebastiaan Indestege and Bart Preneel (Katholieke Universiteit Leuven, Belgium), and "Proxy Re-signatures in the Standard Model," by Sherman S.M. Chow (New York University, USA) and Raphael Phan (Loughborough University, UK). The program also included invited speeches by Doug Tygar (UC Berkeley, USA) and Tatsuaki Okamoto (NTT, Japan).

Many people helped to make ISC 2008 successful. We would like to thank all those who contributed to the technical program and to organizing the conference. We are very grateful to the Program Committee members and the external referees for their efforts in reviewing and selecting the papers. We would like to express our

special thanks to all the organizing committee members for making the conference possible. We also give our thanks to all the authors of the submitted papers and the invited speakers for their contributions to the conference.

July 2008

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Chin-Laung Lei

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Table of Contents

Trusted Computing

Property-Based TPM Virtualization	1
<i>Ahmad-Reza Sadeghi, Christian Stübke, and Marcel Winandy</i>	
A Demonstrative Ad Hoc Attestation System	17
<i>Endre Bangerter, Maksim Djakov, and Ahmad-Reza Sadeghi</i>	
Property-Based Attestation without a Trusted Third Party	31
<i>Liqun Chen, Hans Löhr, Mark Manulis, and Ahmad-Reza Sadeghi</i>	
The Reduced Address Space (RAS) for Application Memory Authentication	47
<i>David Champagne, Reouwen Elbaz, and Ruby B. Lee</i>	

Database and System Security

An Efficient PIR Construction Using Trusted Hardware	64
<i>Yanjiang Yang, Xuhua Ding, Robert H. Deng, and Feng Bao</i>	
Athos: Efficient Authentication of Outsourced File Systems	80
<i>Michael T. Goodrich, Charalampos Papamanthou, Roberto Tamassia, and Nikos Triandopoulos</i>	
BotTracer: Execution-Based Bot-Like Malware Detection	97
<i>Lei Liu, Songqing Chen, Guanhua Yan, and Zhao Zhang</i>	

Intrusion Detection

Towards Automatically Generating Double-Free Vulnerability Signatures Using Petri Nets	114
<i>Ryan Iwahashi, Daniela A.S. de Oliveira, S. Felix Wu, Jedidiah R. Crandall, Young-Jun Heo, Jin-Tae Oh, and Jong-Soo Jang</i>	
Distinguishing between FE and DDoS Using Randomness Check	131
<i>Hyundo Park, Peng Li, Debin Gao, Heejo Lee, and Robert H. Deng</i>	

Network Security

Antisocial Networks: Turning a Social Network into a Botnet	146
<i>Elias Athanasopoulos, A. Makridakis, S. Antonatos, D. Antoniadis, Sotiris Ioannidis, K.G. Anagnostakis, and Evangelos P. Markatos</i>	

Compromising Anonymity Using Packet Spinning	161
<i>Vasilis Pappas, Elias Athanasopoulos, Sotiris Ioannidis, and Evangelos P. Markatos</i>	
Behavior-Based Network Access Control: A Proof-of-Concept	175
<i>Vanessa Frias-Martinez, Salvatore J. Stolfo, and Angelos D. Keromytis</i>	
Path-Based Access Control for Enterprise Networks	191
<i>Matthew Burnside and Angelos D. Keromytis</i>	

Cryptanalysis

Cryptanalysis of Rabbit	204
<i>Yi Lu, Huaxiong Wang, and San Ling</i>	
Algebraic Attack on HFE Revisited	215
<i>Jintai Ding, Dieter Schmidt, and Fabian Werner</i>	
Revisiting Wiener’s Attack – New Weak Keys in RSA	228
<i>Subhamoy Maitra and Santanu Sarkar</i>	
Deterministic Constructions of 21-Step Collisions for the SHA-2 Hash Family	244
<i>Somitra Kumar Sanadhya and Palash Sarkar</i>	

Digital Signatures

Proxy Re-signatures in the Standard Model	260
<i>Sherman S.M. Chow and Raphael C.-W. Phan</i>	
An RSA-Based (t, n) Threshold Proxy Signature Scheme without Any Trusted Combiner	277
<i>Pei-yih Ting and Xiao-Wei Huang</i>	
Certificate-Based Signature Schemes without Pairings or Random Oracles	285
<i>Joseph K. Liu, Joonsang Baek, Willy Susilo, and Jianying Zhou</i>	

AES Special Session

Improved Impossible Differential Attacks on Large-Block Rijndael	298
<i>Lei Zhang, Wenling Wu, Je Hong Park, Bon Wook Koo, and Yongjin Yeom</i>	
A Five-Round Algebraic Property of the Advanced Encryption Standard	316
<i>Jianyong Huang, Jennifer Seberry, and Willy Susilo</i>	

Vortex: A New Family of One-Way Hash Functions Based on AES Rounds and Carry-Less Multiplication	331
<i>Shay Gueron and Michael E. Kounavis</i>	
Comparative Evaluation of Rank Correlation Based DPA on an AES Prototype Chip	341
<i>Lejla Batina, Benedikt Gierlichs, and Kerstin Lemke-Rust</i>	
Symmetric Cryptography and Hash Functions	
Collisions for RC4-Hash	355
<i>Sebastian Indestege and Bart Preneel</i>	
New Applications of Differential Bounds of the SDS Structure	367
<i>Jiali Choy and Khoongming Khoo</i>	
Authentication	
HAPADEP: Human-Assisted Pure Audio Device Pairing	385
<i>Claudio Soriente, Gene Tsudik, and Ersin Uzun</i>	
One-Time Password Access to Any Server without Changing the Server	401
<i>Dinei Florêncio and Cormac Herley</i>	
Can “Something You Know” Be Saved?	421
<i>Baris Coskun and Cormac Herley</i>	
Security Protocols	
New Communication-Efficient Oblivious Transfer Protocols Based on Pairings	441
<i>Helger Lipmaa</i>	
A New (k, n) -Threshold Secret Sharing Scheme and Its Extension	455
<i>Jun Kurihara, Shinsaku Kiyomoto, Kazuhide Fukushima, and Toshiaki Tanaka</i>	
Strong Accumulators from Collision-Resistant Hashing	471
<i>Philippe Camacho, Alejandro Hevia, Marcos Kiwi, and Roberto Opazo</i>	
A Novel Audio Steganalysis Based on High-Order Statistics of a Distortion Measure with Hausdorff Distance	487
<i>Yali Liu, Ken Chiang, Cherita Corbett, Rennie Archibald, Biswanath Mukherjee, and Dipak Ghosal</i>	
Author Index	503