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# Information Security

11th International Conference, ISC 2008  
Taipei, Taiwan, September 15-18, 2008  
Proceedings

 Springer

Volume Editors

Tzong-Chen Wu  
National Taiwan University of Science and Technology  
Department of Information Management  
No. 43, Sec. 4, Keelung Road, Taipei 106, Taiwan  
E-mail: tcwu@cs.ntust.edu.tw

Chin-Laung Lei  
National Taiwan University, Department of Electrical Engineering  
No. 1, Sec. 4, Roosevelt Road, Taipei 106, Taiwan  
E-mail: lei@cc.ee.ntu.edu.tw

Vincent Rijmen  
Graz University of Technology  
Institute for Applied Information Processing and Communications (Austria)  
Katholieke Universiteit Leuven, Department of Electrical Engineering (Belgium)  
Inffeldgasse 16a, 8010 Graz, Austria  
E-mail: Vincent.Rijmen@iaik.tugraz.at

Der-Tsai Lee  
Academia Sinica, Institute of Information Science  
No. 128, Sec. 2, Academia Road, Nankang, Taipei 115, Taiwan  
E-mail: dtlee@iis.sinica.edu.tw

Library of Congress Control Number: 2008933846

CR Subject Classification (1998): E.3, E.4, D.4.6, K.6.5, C.2

LNCS Sublibrary: SL 4 – Security and Cryptology

ISSN 0302-9743  
ISBN-10 3-540-85884-9 Springer Berlin Heidelberg New York  
ISBN-13 978-3-540-85884-3 Springer Berlin Heidelberg New York

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© Springer-Verlag Berlin Heidelberg 2008  
Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India  
Printed on acid-free paper SPIN: 12517565 06/3180 5 4 3 2 1 0

# 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

Tzong-Chen Wu  
Chin-Laung Lei



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