Lecture Notes in Computer Science 10701

Commenced Publication in 1973
Founding and Former Series Editors:
Gerhard Goos, Juris Hartmanis, and Jan van Leeuwen

Editorial Board

More information about this series at http://www.springer.com/series/7410

Joseph K. Liu · Pierangela Samarati (Eds.)

Information Security Practice and Experience

13th International Conference, ISPEC 2017
Melbourne, VIC, Australia, December 13–15, 2017
Proceedings

Springer

Editors
Joseph K. Liu
Monash University
Clayton, VIC
Australia

Pierangela Samarati
University of Milan
Milan
Italy

ISSN 0302-9743 ISSN 1611-3349 (electronic)
Lecture Notes in Computer Science
ISBN 978-3-319-72358-7 ISBN 978-3-319-72359-4 (eBook)
https://doi.org/10.1007/978-3-319-72359-4

Library of Congress Control Number: 2017960876

LNCS Sublibrary: SL4 – Security and Cryptology

Printed on acid-free paper

This Springer imprint is published by Springer Nature
The registered company is Springer International Publishing AG
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Preface

This volume contains the papers presented at ISPEC 2017: the 13th International Conference on Information Security Practice and Experience held during December 13–15, 2017 in Melbourne, Australia.

In response to the call for papers, 105 submissions were received. Submissions were evaluated on the basis of their significance, novelty, and technical quality, with an average of three reviews per paper. Based on the review and the Program Committee discussions, 34 full and 14 short papers were accepted. The program also includes nine papers from the SocialSec (3rd International Symposium on Security and Privacy in Social Networks and Big Data) Track.

We would like to express our thanks to all Program Committee members. Without their hard effort in reviewing papers in such a short time, the conference would not have been successful. We would also like to thank our general co-chairs, Prof. Robert Deng, Prof. Yang Xiang, and Prof. Wanlei Zhou, and our publicity chair, Dr. Yu Wang. They all devoted a large amount of time for the preparation of this conference.

Finally we would like to thank our sponsor, Huawei, for their continuing support of this conference!

December 2017

Joseph K. Liu
Pierangela Samarati

Organization

Program Committee

Man Ho Au	Hong Kong Polytechnic University, Hong Kong, SAR China
Joonsang Baek	University of Wollongong, Australia
Zubair Baig	Edith Cowan University, Australia
Carlo Blundo	Università degli Studi di Salerno, Italy
Colin Boyd	Norwegian University of Science and Technology, Norway
Alvaro Cardenas	University of Texas at Dallas, USA
Aniello Castiglione	University of Salerno, Italy
Jinjun Chen	University of Technology Sydney, Australia
Liqun Chen	University of Surrey, UK
Xiaofeng Chen	Xidian University, China
Raymond Choo	University of Texas at San Antonio, USA
Sabrina De Capitani di Vimercati	Università degli Studi di Milano, Italy
Sara Foresti	Università degli Studi di Milano, Italy
Angelo Genovese	Università degli Studi di Milano, Italy
Dieter Gollmann	Hamburg University of Technology, Germany
Stefanos Gritzalis	University of the Aegean, Greece
Andreas Holzer	University of Toronto, Canada
Xinyi Huang	Fujian Normal University, China
Mitsugu Iwamoto	University of Electro-Communications, Japan
Julian Jang-Jaccard	Massey University, New Zealand
Sokratis Katsikas	Norwegian University of Science and Technology, Norway
Ryan Ko	University of Waikato, New Zealand
Noboru Kunihiro	The University of Tokyo, Japan
Miroslaw Kutylowski	Wroclaw University of Technology, Poland
Junzuo Lai	Jinan University, China
Costas Lambrinoudakis	University of Piraeus, Greece
Albert Levi	Sabanci University, Turkey
Li Li	University of Luxembourg, Luxembourg
Ming Li	University of Arizona, USA
Kaitai Liang	Manchester Metropolitan University, UK
Joseph Liu	Monash University, Australia
Shengli Liu	Shanghai Jiao Tong University, China
Zhe Liu	University of Luxembourg, Luxembourg
Giovanni Livraga	Università degli Studi di Milano, Italy

Javier Lopez	University of Malaga, Spain
Jiqiang Lu	Institute for Infocomm Research, Singapore
Rongxing Lu	University of New Brunswick, Canada
Chris Mitchell	Royal Holloway, University of London, UK
Yi Mu	University of Wollongong, Australia
Josef Pieprzyk	Queensland University of Technology, Australia
Sushmita Ruj	Indian Statistical Institute, India
Pierangela Samarati	Università degli Studi di Milano, Italy
Jun Shao	Zhejiang Gongshang University, China
Taeshik Shon	Ajou University, South Korea
Ron Steinfeld	Monash University, Australia
Chunhua Su	University of Aizu, Japan
Willy Susilo	University of Wollongong, Australia
Cong Wang	City University of Hong Kong, SAR China
Ding Wang	Peking University, China
Guilin Wang	Huawei Singapore, Singapore
Yu Wang	Deakin University, Australia
Sheng Wen	Deakin University, Australia
Qianhong Wu	Beihang University, China
Guomin Yang	University of Wollongong, Australia
Yanjiang Yang	Huawei Singapore, Singapore
Wun-She Yap	Universiti Tunku Abdul Rahman, Malaysia
Masaya Yasuda	Kyushu University, Japan
Jiangshan Yu	University of Luxembourg, Luxembourg
Yong Yu	Shaanxi Normal University, China
Tsz Hon Yuen	Huawei Singapore, Singapore

Additional Reviewers

Alptekin, Halit	Lin, Chengjun
Chen, Rongmao	Liu, Jianghua
Ciampi, Michele	Ma, Xinshu
Feng, Hanwen	Maitra, Subhamoy
Fernandez, Carmen	Mitakidis, Evangelos
Guo, Jingjing	Nieto, Ana
Hu, Ziyuan	Nuida, Koji
Karyda, Maria	Papamartzivanos, Dimitrios
Krzywiecki, Lukasz	Sakzad, Amin
Lauer, Hagen	Sengupta, Binanda
Leontiadis, Iraklis	Siniscalchi, Luisa
Li, Dawei	Su, Chunhua
Li, Zengpeng	Słowik, Marcin

Takashima, Katsuyuki
Takayasu, Atsushi
Tian, Haibo
Tsiatsikas, Zisis
Tzouramanis, Theodoros
Wang, Qin
Wang, Yujue
Wang, Yunling
Wang, Zheng
Watanabe, Yohei
Yang, Xu
Yu, Zuoxia
Yuan, Xingliang
Zhang, Lei
Zhang, Ning
Zhang, Wentao
Zhang, Xiao
Zhang, Xiaoyu
Zheng, Haibin
Zhu, Fei
Zhu, Youwen
Zuo, Cong

Contents

Social Network and QR Code Security

Software Security and Trusted Computing

SocialSec Track