Lecture Notes in Computer Science 9482

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

Joaquin Garcia-Alfaro · Evangelos Kranakis
Guillaume Bonfante (Eds.)

Foundations and Practice of Security

8th International Symposium, FPS 2015
Clermont-Ferrand, France, October 26–28, 2015
Revised Selected Papers

Springer

Editors
Joaquin Garcia-Alfaro
Télécom SudParis
Evry
France

Guillaume Bonfante
École des Mines de Nancy
Université de Lorraine
Nancy Cedex
France

Evangelos Kranakis
School of Computer Science
Carleton University
Ottawa, ON
Canada

ISSN 0302-9743 ISSN 1611-3349 (electronic)
Lecture Notes in Computer Science
ISBN 978-3-319-30302-4 ISBN 978-3-319-30303-1 (eBook)
DOI 10.1007/978-3-319-30303-1

Library of Congress Control Number: 2016932326

LNCS Sublibrary: SL4 – Security and Cryptology

Printed on acid-free paper

This Springer imprint is published by SpringerNature
The registered company is Springer International Publishing AG Switzerland

Preface

This volume contains the proceedings of the 8th International Symposium on Foundations and Practice of Security, hosted by the University of Auvergne, in Clermont-Ferrand, France, during October 26–28, 2015.

The FPS Symposium was initiated in 2008, following the Canada-France Meeting on Security held at Simon Fraser University, Vancouver, during December 6–8, 2007. Since then, FPS has been held annually, alternating between Canadian and French locations, including Montréal, Grenoble, Toronto, La Rochelle, and Paris.

This year's symposium received 58 submissions, out of which 12 papers were selected as full papers and eight as short papers. All submissions went through a careful anonymous review process (three or more reviews per submission) aided by members of the Technical Program Committee and several external reviewers. The program was completed with two keynote addresses by Evangelos Kranakis (Carleton University, Ottawa, Canada) and David Pointcheval (Ecole Normale Supérieure, Paris, France).

Many people contributed to the success of FPS 2015. First we would like to thank all the authors who submitted their research results. The selection was a challenging task and we sincerely thank all the Program Committee members, as well as the external reviewers, who volunteered to read and discuss the papers. We greatly thank the general chair, Pascal Lafourcade (University of Auvergne), and his organizing team, for their great efforts in organizing and dealing with the logistics during the symposium. We also want to express our gratitude to the publicity chairs, Giovanni Livraga (University of Milan, Italy), Zhiqiang Lin (University of Texas at Dallas, US), and Mizuhito Ogawa (Advanced Institute of Science and Technology, Japan), for their efforts at advertising the symposium. Last but by no means least we want to thank all the sponsors for making the event possible.

We hope the articles in this proceedings volume will be valuable for your professional activities in the area.

December 2015

Joaquin Garcia-Alfaro
Evangelos Kranakis
Guillaume Bonfante

Organization

General Chair

Pascal Lafourcade	University of Auvergne, France

Program Co-chairs

Guillaume Bonfante	Mines de Nancy, France
Joaquin Garcia-Alfaro	Télécom SudParis, France
Evangelos Kranakis	Carleton University, Canada

Publicity Co-chairs

Giovanni Livraga	University of Milan, Italy
Zhiqiang Lin	University of Texas at Dallas, USA
Mizuhito Ogawa	Advanced Institute of Science and Technology, Japan

Program Committee

Samiha Ayed	Télécom Bretagne, France
Michel Barbeau	Carleton University, Canada
Jordi Castella-Roca	Rovira i Virgili University, Spain
Frédéric Cuppens	Télécom Bretagne, France
Nora Cuppens-Boulahia	Télécom Bretagne, France
Mila Dalla Preda	University of Bologna, Italy
Mourad Debbabi	University of Concordia, Canada
Nicola Dragoni	Technical University of Denmark, Denmark
Josep Domingo-Ferrer	Universitat Rovira i Virgili, Spain
Jean-Luc Danger	Telecom ParisTech, France
Sara Foresti	University of Milan, Italy
Marc Frappier	University of Sherbrooke, Canada
Martin Gagne	Wheaton College, USA
Sebastien Gambs	Université de Rennes, France
Flavio D. Garcia	University of Birmingham, UK
Diala Haidar	Dar Al Hekma College, Saudi Arabia
Jordi Herrera-Joancomarti	Autonomous University of Barcelona, Spain
Bruce Kapron	University of Victoria, Canada
Hyoungshick Kim	Sungkyunkwan University, South Korea
Giovanni Livraga	University of Milan, Italy
Luigi Logrippo	Université du Quebec en Outaouais, Canada
Javier Lopez	University of Malaga, Spain

Flaminia Luccio	Ca'Foscari University of Venice, Italy
Joan Melia-Segui	Universitat Oberta de Catalunya, Spain
Ali Miri	Ryerson University, Canada
Guillermo Navarro-Arribas	Autonomous University of Barcelona, Spain
Jordi Nin	Universitat Politecnica de Catalunya, Spain
Melek Önen	Eurecom, France
Andreas Pashalidis	K.U. Leuven, Belgium
Thomas Peters	Ecole Normale Superieure, France
Marie-Laure Potet	Ensimag, France
Silvio Ranise	FBK, Security and Trust Unit, Italy
Claudio Soriente	ETH Zurich, Switzerland
Chamseddine Talhi	ETS Montréal, Canada
Nadia Tawbi	Université Laval, Canada
Emmanuel Thomé	Inria Lorraine, France
Alexandre Viejo	Rovira i Virgili University, Spain
Lena Wiese	Göttingen University, Germany
Nicola Zannone	Eindhoven University of Technology, The Netherlands
Nur Zincir Heywood	Dalhousie University, Canada
Mohammad Zulkernine	Queen's University, Canada

Additional Reviewers

Saed Alrabaee	Djedjiga Mouheb
Carles Anglès-Tafalla	David Nuñez
Khodakhast Bibak	David Oswald
Olivier Blazy	Cristina Pérez-Solà
Amine Boukhtouta	Marta Pujol
Marie-Angela Cornelie	Jordi Ribes-González
Vicenç Creus-Garcia	Ruben Rios
Guenaelle de Julis	Jean-Claude Royer
Joeri de Ruiter	Julián Salas
Mohammad Hajiabadi	Saeed Shafieian
Shahrear Iqbal	Stefan Thaler
Amrit Kumar	Sam L. Thomas
Bo Mi	Tim Waage

Steering Committee

Frédéric Cuppens	Télécom Bretagne, France
Nora Cuppens-Boulahia	Télécom Bretagne, France
Mourad Debbabi	University of Concordia, Canada
Joaquin Garcia-Alfaro	Télécom SudParis, France
Evangelos Kranakis	Carleton University, Canada
Pascal Lafourcade	University of Auvergne, France

Jean-Yves Marion	Lorraine University, France
Ali Miri	Ryerson University, Canada
Rei Safavi-Naini	Calgary University, Canada
Nadia Tawbi	Université Laval, Canada

Contents