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IFIP – The International Federation for Information Processing

IFIP was founded in 1960 under the auspices of UNESCO, following the First World Computer Congress held in Paris the previous year. An umbrella organization for societies working in information processing, IFIP's aim is two-fold: to support information processing within its member countries and to encourage technology transfer to developing nations. As its mission statement clearly states,

> *IFIP's mission is to be the leading, truly international, apolitical organization which encourages and assists in the development, exploitation and application of information technology for the benefit of all people.*

IFIP is a non-profitmaking organization, run almost solely by 2500 volunteers. It operates through a number of technical committees, which organize events and publications. IFIP's events range from an international congress to local seminars, but the most important are:

- The IFIP World Computer Congress, held every second year;
- Open conferences;
- Working conferences.

The flagship event is the IFIP World Computer Congress, at which both invited and contributed papers are presented. Contributed papers are rigorously refereed and the rejection rate is high.

As with the Congress, participation in the open conferences is open to all and papers may be invited or submitted. Again, submitted papers are stringently refereed.

The working conferences are structured differently. They are usually run by a working group and attendance is small and by invitation only. Their purpose is to create an atmosphere conducive to innovation and development. Refereeing is also rigorous and papers are subjected to extensive group discussion.

Publications arising from IFIP events vary. The papers presented at the IFIP World Computer Congress and at open conferences are published as conference proceedings, while the results of the working conferences are often published as collections of selected and edited papers.

Any national society whose primary activity is about information processing may apply to become a full member of IFIP, although full membership is restricted to one society per country. Full members are entitled to vote at the annual General Assembly, National societies preferring a less committed involvement may apply for associate or corresponding membership. Associate members enjoy the same benefits as full members, but without voting rights. Corresponding members are not represented in IFIP bodies. Affiliated membership is open to non-national societies, and individual and honorary membership schemes are also offered.

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ICT Systems Security and Privacy Protection

29th IFIP TC 11 International Conference, SEC 2014
Marrakech, Morocco, June 2-4, 2014
Proceedings

Springer

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ISSN 1868-4238 e-ISSN 1868-422X
ISBN 978-3-642-55414-8 e-ISBN 978-3-642-55415-5
DOI 10.1007/978-3-642-55415-5
Springer Heidelberg New York Dordrecht London

Library of Congress Control Number: 2014937537

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India

Printed on acid-free paper

Springer is part of Springer Science+Business Media (www.springer.com)

Preface

These proceedings contain the papers presented at the 29th IFIP International Information Security and Privacy Conference (SEC 2014). The conference, hosted for the first time in Marrakech, Morocco, June 2–4, 2014, offered outstanding research contributions to the field of security in Internet-related applications, networks, and systems.

In response to the call for papers, 151 papers were submitted to the conference. These papers were evaluated on the basis of their significance, novelty, and technical quality. Each paper was reviewed by four members of the Program Committee. The Program Committee meeting was held electronically with intensive discussion over a period of one week. Of the papers submitted, 27 full papers and 14 short papers were accepted for presentation at the conference. The conference program also included two invited talks by William Caelli Director at IISEC Pty Ltd, Brisbane, Australia, and V.S. Subrahmanian, Professor at University of Maryland, College Park, United States.

Several trends in computer security have become prominent since the beginning of the new century and are considered in the program. These include, the proliferation of intrusions that exploit new vulnerabilities, the necessity to respond to an increasing number of computer security incidents, the emergence of new security threats, and the need to adapt existing approaches, models, and metrics to handle these threats. Reflecting these trends, the conference includes sessions on intrusion detection, data security, privacy, mobile security, metrics and risk assessment, information flow control, identity management, identifiability and decision making, malicious behavior and fraud, organizational security.

The success of this conference was the result of the effort of many people who generously volunteered their time for the various organization tasks. It was a pleasure to work with such dedicated colleagues. We also thank our hosts, the staff from the ENSA Marrakesh and AMAN for their help in day-to-day running of the conference.

We gratefully acknowledge all authors who submitted papers for their efforts in continually enhancing the standards of this conference. It is also our pleasure to thank the members of the Program Committee and the external reviewers for their work and support.

Last but not least, thanks to all the attendees. We hope you will enjoy reading the proceedings.

March 2014

Nora Cuppens-Boulahia
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