# ICT Systems Security and Privacy Protection

Lech Jan Janczewski, Miroslaw Kutylowski



# IFIP Advances in Information and Communication Technology 529

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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. A federation for societies working in information processing, IFIP's aim is two-fold: to support information processing in the countries of its members and to encourage technology transfer to developing nations. As its mission statement clearly states:

> *IFIP is the global non-profit federation of societies of ICT professionals that aims at achieving a worldwide professional and socially responsible development and application of information and communication technologies.*

IFIP is a non-profit-making organization, run almost solely by 2500 volunteers. It operates through a number of technical committees and working groups, which organize events and publications. IFIP's events range from large international open conferences to working conferences and local seminars.

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 generally smaller and occasionally 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.

IFIP distinguishes three types of institutional membership: Country Representative Members, Members at Large, and Associate Members. The type of organization that can apply for membership is a wide variety and includes national or international societies of individual computer scientists/ICT professionals, associations or federations of such societies, government institutions/government related organizations, national or international research institutes or consortia, universities, academies of sciences, companies, national or international associations or federations of companies.

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Lech Jan Janczewski · Mirosław Kutyłowski (Eds.)

# ICT Systems Security and Privacy Protection

33rd IFIP TC 11 International Conference, SEC 2018
Held at the 24th IFIP World Computer Congress, WCC 2018
Poznan, Poland, September 18–20, 2018
Proceedings

Springer

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ISSN 1868-4238 ISSN 1868-422X (electronic)
IFIP Advances in Information and Communication Technology
ISBN 978-3-319-99827-5 ISBN 978-3-319-99828-2 (eBook)
https://doi.org/10.1007/978-3-319-99828-2

Library of Congress Control Number: 2018952247



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

# Preface

This year, the annual IFIP TC-11 (International Federation for Information Processing Technical Committee) Sec 2018 conference was the 33rd in the series. This conference is part of the World Computer Congress (WCC) organized by the IFIP. Major IFIP partners in the Congress are: the Committee on Informatics of the Polish Academy of Sciences, the Polish Information Processing Society Wielkopolska Branch, Poznan University of Technology, The Polish Ministry of Digital Affairs, and the Polish Ministry of Science and Higher Education; the Mayor of Poznan provided WCC Honorary Patronage. The conference was held in the Lecture and Conference Centre of the Poznan University of Technology in the city of Poznan, Poland.

The Program Committee, consisting of 100 members, considered 89 papers. These proceedings include the revised versions of the 27 papers presented at the conference. Therefore, the overall acceptance rate for this conference is 30%. These papers were selected on the basis of originality, quality, and relevance to security and privacy. As a result, they give an accurate picture of how the field is evolving.

The selection of papers was a difficult and challenging task. Each submission was refereed usually by at least four reviewers. We used the single-blind review principle. We wish to thank the Program Committee members for their great effort. In addition, we gratefully acknowledge the help of a large number of external reviewers. All reviewers are listed in the section following this preface. We apologize for any inadvertent omission.

Many thanks to the creators of EasyChair without which the management of submissions for this conference would have been a nightmare. It would be difficult to imagine organizing and administering a conference without this valuable tool. Special thanks to Prof. Jacek Cichoń and the Department of Computer Science of Wrocław University of Science and Technology for technical support in Web communication.

Finally, we wish to thank the all authors who submitted papers for making this conference possible by providing the scientific material, and especially the authors of accepted papers. We would also like to thank the publisher, Springer, for working within a tight schedule to produce these proceedings in due time.

July 2018

Lech Jan Janczewski
Mirosław Kutyłowski

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September 18–20, 2018, Poznan, Poland
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