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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.

Jianying Zhou Nurit Gal-Oz Jie Zhang
Ehud Gudes (Eds.)

Trust Management VIII

8th IFIP WG 11.11
International Conference, IFIPTM 2014
Singapore, July 7-10, 2014
Proceedings



Springer

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Preface

This volume contains the proceedings of IFIPTM 2014, the 8th IFIP WG 11.11 International Conference on Trust Management, held in Singapore, during July 7–10, 2014.

IFIPTM provides a truly global platform for the reporting of research, development, policy, and practice in the interdependent areas of privacy, security, and trust. Following the tradition established by the previous successful IFIPTM conferences since 2007, IFIPTM 2014 focused on the following main areas: trust and reputation models, privacy issues and social and behavioral models of trust, the relationship between trust and security, trust under attacks, and trust in the cloud environment. This variety of topics, and the fact the authors and the participants come from different organizations around the world, show the relevance of IFIPTM as the focus of international research on trust and its related areas.

IFIPTM 2014 was an open IFIP conference. The program of the conference featured both theoretical research papers and reports of real-world case studies. IFIPTM 2014 received 36 submissions from 23 different countries, including: Australia, Belgium, Canada, France, Germany, Greece, Hong Kong, India, Ireland, Israel, Italy, Japan, Luxembourg, Malaysia, The Netherlands, New Zealand, Norway, Saudi Arabia, Singapore, Switzerland, Tunisia, UK, and USA. The Program Committee selected 12 full papers and five short papers for presentation and inclusion in the proceedings after a very careful review process in which all papers received three to four reviews. Only the top papers were accepted as full papers to maintain the high quality of the IFIPTM conference.

The program of IFIPTM 2014 included two invited keynote presentations by academic experts in the fields of trust management including the recipient of the 2014 Winsborough Award for service and research in the fields of trust and trust management, Prof. Christian Damsgaard Jensen from the Technical University of Denmark. The proceedings include an invited paper by Prof. Jensen. In addition the program included a panel organized by Prof. Stephen Marsh on “Trust and Security” and a session of posters and demonstrations, which is reported in a separate volume.

In the IFIPTM 2014 conference, as well as in previous IFIPTM conferences, we had an accompanying workshop that enabled the presentation of truly new ideas including ongoing PhD research. In addition we offered two tutorials on relevant and current research on trust management. We believe the deep and wide profiles of the events will solidify IFIPTM as an international, multidisciplinary trust conference.

Running an international conference requires an immense effort from all parties involved. We would like to thank the Program Committee members and external referees for having provided timely and in-depth reviews of the sub-

mitted papers. We would also like to thank the workshop, tutorial, poster and demonstration, publication, local organization, registration, publicity, liaison, and website chairs, and the Advisory Committee, for their great help in organizing the conference. Thanks to the authors who submitted papers and the participants for their support to the conference. We are also grateful to Nanyang Technological University for providing the venue for IFIPTM 2014.

We hope you enjoy the proceedings.

April 2014

Jiaying Zhou
Nurit Gal-Oz
Jie Zhang
Ehud Gudes

IFIP Trust Management VIII

8th IFIP WG 11.11 International Conference
on Trust Management, 2014

Singapore
7–10 July 2014

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