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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 less 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 in information 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.

Masakatsu Nishigaki Audun Jøsang
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Trust Management IV

4th IFIP WG 11.11 International Conference, IFIPTM 2010
Morioka, Japan, June 16-18, 2010
Proceedings

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Preface

This volume contains the proceedings of IFIPTM 2010, the 4th IFIP WG 11.11 International Conference on Trust Management, held in Morioka, Iwate, Japan during June 16-18, 2010.

IFIPTM 2010 provided a truly global platform for the reporting of research, development, policy, and practice in the interdependent areas of privacy, security, and trust. Building on the traditions inherited from the highly successful iTrust conference series, the IFIPTM 2007 conference in Moncton, New Brunswick, Canada, the IFIPTM 2008 conference in Trondheim, Norway, and the IFIPTM 2009 conference at Purdue University in Indiana, USA, IFIPTM 2010 focused on trust, privacy and security from multidisciplinary perspectives. The conference is an arena for discussion on relevant problems from both research and practice in the areas of academia, business, and government.

IFIPTM 2010 was an open IFIP conference. The program of the conference featured both theoretical research papers and reports of real-world case studies. IFIPTM 2010 received 61 submissions from 25 different countries: Japan (10), UK (6), USA (6), Canada (5), Germany (5), China (3), Denmark (2), India (2), Italy (2), Luxembourg (2), The Netherlands (2), Switzerland (2), Taiwan (2), Austria, Estonia, Finland, France, Ireland, Israel, Korea, Malaysia, Norway, Singapore, Spain, Turkey. The Program Committee selected 18 full papers for presentation and inclusion in the proceedings. In addition, the program and the proceedings include two invited papers by academic experts in the fields of trust management, privacy and security, namely, Toshio Yamagishi and Pamela Briggs.

In the IFIPTM 2010 conference, as well as the tutorials and the demonstration sessions, we had newly established short paper sessions and poster paper sessions. In addition, five related workshops were held with IFIPTM 2010. We believe the deep and wide profiles produced by all of the events helped to solidify IFIPTM 2010 as an international, multidisciplinary trust conference.

Running an international conference requires 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 submitted papers. We would also like to thank the Workshop, Tutorial, Poster and Demonstration, Publications, Local Organization, Registration, Publicity, Liaison, Website Chairs, and Advisory Committee, for having provided great help organizing the conference.

We are also grateful to the Japan Society for the Promotion of Science (JSPS), Japan, National Institute of Information and Communications Technology (NICT), Japan, Information-Technology Promotion Agency (IPA), Japan, and Iwate Prefectural University, Japan for their financial support of IFIPTM 2010.

We hope you enjoy the proceedings.

June 2010

Masakatsu Nishigaki
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