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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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Nurit Gal-Oz · Peter R. Lewis (Eds.)

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Preface

The 12th edition of IFIPTM, the IFIP WG11.11 International Conference on Trust Management held in Toronto, Canada, continued the tradition of a technological scientific gathering that focuses on trust, an essential component of any resilient society.

Since 2007, IFIPTM conferences have provided a global platform for the reporting of research, development, policy, and practice in areas related to trust, security, and privacy. IFIPTM 2018 invited research in areas concerning trust from a broad perspective including trust and reputation models, privacy issues, social and behavioral models of trust, economic and sociological trust, trust building in large-scale systems, the relationship between trust and security, trust under attacks, and trustworthiness of adaptive systems.

The program of the conference features both theoretical research papers and reports of real-world case studies. This year we have received 22 submissions from 14 different countries and were able to accept seven full papers and three short papers. Our 33 Program Committee members produced a total of 90 reviews and were engaged in an effective discussion process. The selected papers represent the broad topical areas of the call for papers.

We are happy to include in these proceedings the paper accompanying the keynote by Theo Dimitrakos, holder of the William Winsborough Commemorative Address and Award 2018. The objective of the award is to publicly recognize an individual who has significantly contributed to the development of computational trust or trust management, especially achievements with an international perspective. The award is given in memory of Professor William Winsborough, who taught at the University of Texas at San Antonio, in recognition of his leadership in the field of trust and trust management. Theo was honored for his contribution to the scientific growth and shaping of the area with a series of relevant papers in the first decade of this millennium. He also contributed to the creation of the scientific communities through the iTrust project and conference and subsequent IFIP WG 11.11 creation and management for several years. From both a scientific and organizational perspective, Theo helped to establish the trust management field. His keynote paper discusses security controls-oriented reference architecture, an approach that extends commonly used security architecture methodologies by placing particular emphasis on how security controls are specified, refined, implemented, traced, and assessed throughout the security design and development life-cycle.

We would like to express our thanks to everyone who contributed to the organization of IFIPTM this year. We thank the general chairs, Stephen Marsh and Jeremy Pitt, for their great efforts in organizing the conference and making it an exciting event. We thank the other chairs on the committee, Sheikh Mahbub Habib, Tosan Atele-williams, Anirban Basu, Christian Damsgaard Jensen, Saghar Behrooz, and

Kelvin Ellison, who provided continual and unstinting support during the entire endeavor. Finally, we are indebted to the entire Program Committee for their commitment and enthusiasm in all phases of the reviewing process, and for the quality and insight of their reviews.

July 2018

Nurit Gal-Oz
Peter Lewis

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