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Michael Friedewald
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Stefan Schiffner (Eds.)

Privacy and Identity Management

Between Data Protection and Security

16th IFIP WG 9.2, 9.6/11.7, 11.6/SIG 9.2.2
International Summer School, Privacy and Identity 2021
Virtual Event, August 16–20, 2021
Revised Selected Papers

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> *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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Preface

This volume contains the proceedings of the 16th IFIP Summer School on Privacy and Identity Management, which took place during August 16–20, 2021. While planned to be held in Esch-sur-Alzette, Luxembourg, the summer school finally had to be held as a fully virtual event, due to the ongoing COVID-19 pandemic and associated uncertainties.

The 16th IFIP Summer School was a joint effort among IFIP Working Groups 9.2, 9.6/11.7, 11.6, and Special Interest Group 9.2.2, in co-operation with the European Union's cybersecurity competence network pilot projects SPARTA[1], CyberSec4Europe[2], and CONCORDIA[3]. The summer school was also supported by Forum Privatheit[4] and the EnCaViBS project[5]. This IFIP Summer School brought together more than 40 junior and senior researchers and practitioners from different parts of the world from many disciplines, including many young entrants to the field. They met to share their ideas, build a network, gain experience in presenting their research, and have the opportunity to publish a paper through these proceedings.

As in previous years, one of the goals of the IFIP Summer School was to encourage the publication of thorough research papers by students and emerging scholars. To this end, it had a three-phase review process for submitted papers. In the first phase, authors were invited to submit short abstracts of their work. Abstracts within the scope of the call were selected for presentation at the school. After the school, authors were encouraged to submit full papers of their work, which received two to three reviews by members of the Program Committee. They were then given time to revise and resubmit their papers for inclusion in these post-proceedings, and were offered in-depth shepherding where necessary.

In total, 23 abstracts were submitted, out of which 20 were presented at the virtual conference, and nine were finally accepted for publication. Insightful keynote talks were given by Kai Kimppa ("Ethical social engineering penetration testing – can it be done?"), Sebastian Pape ("Serious Games for Security and Privacy Awareness"), François Thill ("Information Security Risk Management"), and Jakub Čegan ("Training Development in KYPO Cyber Range Platform"). Finally, a total of five workshops and tutorials on topics related to privacy and identity management complemented a diverse and educational program.

We are grateful to all contributors of the summer school and especially to the Program Committee for reviewing the abstracts and papers as well as advising the

[1] https://www.sparta.eu/.

[2] https://cybersec4europe.eu.

[3] https://www.concordia-h2020.eu/.

[4] https://www.forum-privatheit.de/.

[5] https://encavibs.uni.lu/.

authors on their revisions. Our thanks also go to all supporting projects, the Steering Committee for their guidance and support, and all participants and presenters.

February 2022

Michael Friedewald
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