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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.

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Lynette Drevin · Suné Von Solms ·  
Marianthi Theocharidou (Eds.)


# Information Security Education


## Information Security in Action

13th IFIP WG 11.8 World Conference, WISE 13  
Maribor, Slovenia, September 21–23, 2020  
Proceedings

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# Preface

This volume contains the papers presented at the 13th World Conference on Information Security Education (WISE 13) held during September 21–23, 2020. It was held in conjunction with the 35th IFIP TC-11 SEC 2020 International Information Security and Privacy Conference. It was initially planned to be held in May 2020 in Maribor, Slovenia, but due to the COVID-19 restrictions, it was rescheduled and successfully held online.

WISE 13 was organized by the IFIP Working Group 11.8, which is an international group of people from academia, government, and private organizations who volunteer their time and effort to increase knowledge in the very broad field of information security through education. WG11.8 has worked to increase information security education and awareness for almost two decades. This year, WG11.8 organized the 13th conference of a successful series under the theme “Information Security in Action.” We have received 28 submissions from around the world. Each submission was blind reviewed by at least three International Program Committee members. The committee decided to accept 13 full papers. The acceptance rate for the conference was thus 46%.

This conference took place thanks to the support and commitment of many individuals. First, we would like to thank all TC-11 members for continually giving us the opportunity to serve the working group and organize the WISE conferences. Our sincere appreciation also goes to the members of the Program Committee, to the external reviewers, and to the authors who trusted us with their intellectual work. We are grateful for the support of WISE11.8 Officers: Lynn Fitcher, Matt Bishop, Natalia Miloslavskaya, and Erik Moore. Finally, we would like to thank the IFIP SEC 2020 organizers for their support. As for the preparation of this volume, we sincerely thank Miriam Costales and our publisher Springer for their assistance.

August 2020

Lynette Drevin  
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