

IFIP AICT 650



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Information Security Education - Adapting to the Fourth Industrial Revolution

15th IFIP WG 11.8 World Conference, WISE 2022
Copenhagen, Denmark, June 13–15, 2022
Proceedings


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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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Preface

This volume contains the papers presented at the 15th World Conference on Information Security Education (WISE 15) held during June 13–15, 2022, which was co-located with the 37th International Conference on ICT Systems Security and Privacy Protection (SEC 2022)—the flagship event of the International Federation for Information Processing (IFIP) Technical Committee 11 (TC-11).

WISE 15 was organized by the IFIP Working Group (WG) 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. WG 11.8 has worked to increase information security education and awareness for almost two decades. This year, WG 11.8 organized the 15th conference of a successful series under the theme “Information Security Education – Adapting to the Fourth Industrial Revolution.” In response to our call for papers, we received 17 submissions from around the world.

Prior to the assignment of reviewers to the submissions, members of the international Program Committee (PC) were asked to indicate their conflict of interest with submissions. This was further checked by the committee to ensure that any conflicts of interest and potential bias were adequately managed. Each paper was then subject to double-blind review by at least three members of the PC over a review period of 12 days. Where deemed necessary, additional reviewers with the necessary expertise to assess the submissions appropriately were identified to assist with assessing the quality of the work. Papers were reviewed according to a set of criteria which included relevance, novelty and originality, technical strength, discussion of related work, the quality of the design and methodology, and the paper’s plausibility. After careful consideration, the committee decided to accept eight full papers. The acceptance rate for the conference was thus 47%.

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 and the external reviewers, and to the authors who trusted us with their intellectual work. We are grateful for the support of WG 11.8 Officers Erik Moore, Jacques Ophoff, and Matt Bishop. In addition, we would like to thank the SEC 2022 organizers, Christian Damsgaard Jensen, Simone Fischer-Hübner, and their team, for their efforts in helping us to host WISE 15.

Finally, we wish to acknowledge the EasyChair conference management system which was used for managing the submissions and reviews of WISE 15 papers. As for the preparation of this volume, we sincerely thank our publisher Springer for their assistance.

June 2022

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