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Advances in Security of Information and Communication Networks

First International Conference, SecNet 2013
Cairo, Egypt, September 2013
Proceedings

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Preface

Owing to its wide diversity of applications, information security is subject to intensive research by governmental and private institutes. The First International Conference on Advances in Security of Information and Communication Networks (SecNet 2013) was held at Cairo University, Cairo city, Egypt, during September 3–5, 2013. The goal of the conference is to bring together, in a friendly atmosphere, researchers and practitioners from academia and industry, and to provide a discussion forum for the sharing of knowledge and experiences.

The conference received 62 submissions in all areas of information and communication networks security from different countries such as the USA, Spain, UK, France, Australia, Canada, India, Kuwait, Malaysia, and Egypt. The conference Program Committee includes experts and recognized researchers from many countries including the UK, USA, Japan, Malaysia, India, Czech Republic, Italy, Taiwan, and Egypt. The worldwide participation in SecNet 2013 gave it a truly international scope. All submissions were reviewed by at least two independent Program Committee members. In all, 21 papers were accepted, with a total acceptance rate of 33.8%. The authors of accepted papers are thanked for revising their papers according to the suggestions of the reviewers. The revised versions were not checked again by the Program Committee, and therefore the authors bear full responsibility for their content.

This volume represents the revised versions of the 21 papers accepted for oral presentation, and it is organized into four main sections. The first section is titled “Networking Security”, and it includes six papers. The second section is reserved for documenting the general trends in security, “Data and Information Security”, and it includes five papers. The third section documents the research papers related to data authentication and user privacy, titled “Authentication and Privacy”, and it comprises five papers. Finally, the fourth section is titled “Applications”, and it includes five contributions related to the applications of information security.

The editors are indebted to the efforts of the Program Committee members in reviewing and discussing the papers. Springer’s new Online Conference Service (OCS) provided great help during the submission, the reviewing, and the editing phases of the conference proceedings, and the editors are very grateful to the OCS staff for their help. As editors, we are very thankful to Alfred Hofmann and the excellent *Communications in Computer and Information Science* (CCIS) team at Springer for their support and cooperation in publishing the proceedings as a volume in the CCIS series. The editors would like to acknowledge the Scientific Research Group in Egypt (SRGE)

as the technical sponsor of SecNet 2013. Finally, the editors are thankful to the Organizing Committee and the members of SRGE for their volunteer work during the activities of the conference.

June 2013

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