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Proceedings

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Preface

On behalf of the Program Committee, it is our pleasure to present the proceedings of the 22nd Information Security Conference (ISC 2019), which took place in New York City, USA, during September 16–18, 2019. ISC is an annual international conference covering research in theory and applications of information security. Both academic research with high relevance to real-world problems, as well as developments in industrial and technical frontiers fall within the scope of the conference.

The 22nd edition of ISC was organized by Stony Brook University and was held at the SUNY Global Center in Manhattan. Professor Michalis Polychronakis (Stony Brook University) served as the general chair, and Professors Zhiqiang Lin (Ohio State University) and Charalampos Papamanthou (University of Maryland) served as the program co-chairs. The Program Committee comprised 41 members from top institutions around the world. Out of 86 submissions, the Program Committee eventually selected 23 papers (8 of which were accepted after a shepherding process) for presentation in the conference and publication in the proceedings, resulting in an acceptance rate of 26.7%. The submission process was double-blind, and the review process was organized and managed through the HotCRP online reviewing system, with all papers receiving at least three reviews. The final program was quite balanced in terms of topics, containing both theoretical/cryptography papers, as well as more practical/systems security papers. Beyond the research papers, the conference program also included two insightful keynote talks by Professors Engin Kirda (Northeastern University) and Elaine Shi (Cornell), on advanced malware and consensus protocols, respectively.

A successful conference is the result of the joint effort of many people. We would like to express our appreciation to the Program Committee members and external reviewers for the time spent reviewing papers, participating in the online discussion, and shepherding some of the papers to ensure the highest quality possible. We also deeply thank the members of the Organizing Committee for their hard work in making ISC 2019 such a successful event, and our invited speakers for their willingness to participate in the conference. We are wholeheartedly thankful to our sponsors, Facebook and Springer, for generously supporting ISC 2019. We also thank Springer for publishing these proceedings as part of their LNCS series, and the ISC Steering Committee for their continuous support and assistance.

Finally, ISC 2019 would not have been possible without the authors who submitted their work and presented their contributions, as well as the attendees who came to the conference. We would like to thank them all, and we look forward to their future contributions to ISC.

July 2019

Zhiqiang Lin
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