Preface

This volume contains the papers presented at NordSec 2017, the 22nd Nordic Conference on Secure IT Systems. The conference was held during November 8–10, 2017, in Tartu, Estonia.

The NordSec conferences started in 1996 with the aim of bringing together researchers and practitioners in computer security in the Nordic countries, thereby establishing a forum for discussions and cooperation between universities, industry, and computer societies. NordSec addresses a broad range of topics within IT security and privacy and over the years it has developed into an international conference that takes place in the Nordic countries. NordSec is currently a key meeting venue for Nordic university teachers and students with research interests in information security and privacy.

NordSec 2017 received 42 submissions, with all valid submissions receiving three reviews by the Program Committee (PC). After the reviewing phase, 18 papers were accepted for publication and are all included in these proceedings. Furthermore, we had a poster session that encouraged discussions and brainstorming on current topics of information security and privacy.

We were honored to have had three brilliant invited speakers with talks on current topics in information security focusing on machine learning, blockchains, and verifiable computation. More precisely, Dr. Ananth Raghunathan from Google gave a talk on "Security and Privacy Challenges in Machine Learning," Prof. Aggelos Kiayias from the University of Edinburgh gave a talk on "Proof of Stake Blockchain Protocols," and Dr. Dario Fiore from IMDEA Software Institute gave a talk on "Homomorphic Authentication for Computing Securely on Untrusted Machines."

We sincerely thank everyone involved in making this year's instance a success including but not limited to: the authors who submitted their papers, the presenters who contributed to the NordSec program, and the PC members and the additional reviewers for their thorough and very helpful reviews. Last but not least, we sincerely thank the Cybernetica AS company for the support given to the NordSec 2017 conference.

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