

# Preface

Welcome to the 11th International Workshop on RFID Security (RFIDsec), held at the NYIT Auditorium on Broadway in New York City, NY, USA, during June 22–24, 2015. RFIDsec has been the main venue for new results in RFID system and implementation security for over a decade. The event has travelled to many different places all over the world. Driven by the positive experience of 2014, we co-located RFIDsec for the second time with WiSec, and we created a tightly integrated program that allowed attendees to hop from one event to the other.

RFIDsec 2015 assembled four sessions with exciting results in RFID security. The four sessions collect ten regular papers, which were selected by the Program Committee after a rigorous review process out of 23 submissions. The review procedure included an individual review phase followed by a collective online discussion by the 22 members of the Technical Program Committee with the program chairs. The Program Committee members were supported by 30 external reviewers.

Besides the ten accepted papers, the workshop also included a shared keynote with WiSec, an RFIDsec keynote talk and two tutorials. The shared keynote talk was given by Srdjan Capkun from ETH Zurich. In his talk “Why We Should Build a Secure Positioning Infrastructure,” Dr. Capkun discussed the main challenges in designing and building new positioning infrastructures that offer security and privacy by design. The keynote talk of RFIDsec 2015, “Hardware Trojans for ASICs and FPGAs,” was given by Christof Paar from Ruhr University Bochum and University of Massachusetts Amherst. Hardware Trojans is a topic of rapidly increasing importance in modern complex digital electronics, especially for those that have a trustworthy function. Dr. Paar shared his insights and latest research results into this problem. The first tutorial was on Contactless Payments, and it was given by Joeri de Ruiter from the University of Birmingham. The contactless environment comes with very challenging problems in power provisioning and communications. Dr. de Ruiter explained the unique solutions that are enabled by sound cryptographic engineering. The second tutorial was on Anonymous Based Credentials (ABCs) in Theory and Practice, and it was given by Gergely Alpar from Radboud University. As explained by Dr. Alpar, ABCs handle the important issue of user authentication and authorization while at the same time ensuring the user’s privacy.

The program chairs would like to thank the general chairs, Paolo Gasti and Ramesh Karri, for their support in hosting RFIDsec 2015 in the Big Apple. We are also greatly indebted to the 22 members of the Technical Program Committee, who provided valuable technical insights in the assembly of the program. Finally, we would like to thank the RFIDsec Steering Committee members for

their guidance in setting up the 11th edition of this exciting workshop series, and for opening the path to the next decade of RFIDsec.

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