

Preface

Welcome to the proceedings of the 12th edition of RFIDSec. Since 2005, RFIDsec has become the premier venue devoted to security and privacy of radiofrequency identification (RFID). This year RFIDsec broadened its scope to security and privacy in all application areas related to any constrained devices, with the event being renamed the Workshop on RFID and IoT Security (previously Workshop on RFID Security and Privacy). This reflects the fact that the nature of radio-enabled item identification and automatic data capture has significantly changed over the years, driven by the interest in overarching applications such as the Internet of Things and cyber-physical systems. This year also marked the first occasion of RFIDSec being held outside of Europe and the USA. We were excited to host RFIDSec in Asia's World City.

RFIDsec 2016 assembled five technical sessions with exciting results in RFID and IoT security. Eleven regular papers and three short paper were selected after a rigorous review process of 30 submissions. The review procedure included a review phase, with each paper receiving at least three reviews, followed by discussion between the Program Committee members and the program chairs. The program also included three invited talks and one tutorial. In the first invited talk "Secure Proximity Verification and Localization: Challenges and Solutions," Aanjhan Ranganathan of ETH Zurich spoke about attacks on proximity and location systems, and presented some work on countermeasures for GPS spoofing attacks. In the second invited talk "IT+OT=IoT? On Security for Industrial Control Systems," Nils Tippenhauer of the Singapore University of Technology and Design talked about industrial IoT and presented practical examples of security issues within deployed industrial control systems. In the third talk, the audience were given a industry perspective on IoT security by Duncan Wong of the Hong Kong Applied Science and Technology Research Institute (ASTRI). Finally, David Cox of the University of Birmingham presented a tutorial on the Chameleon, an RFID emulator and reader platform developed by Kasper & Oswald GmbH.

We thank all authors and participants who contributed to make this event a great success, the Technical Program Committee members and additional reviewers who worked on the program, and the volunteers who did much organization behind the scenes. We greatly appreciate the input of the RFIDSec Steering Committee, whose help and advice was invaluable, and we would like to thank the Department of Computer Science at City University of Hong Kong for supporting for this event and providing assistance with general arrangements.

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Gerhard P. Hancke
Konstantinos Markantonakis

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