

Preface

The 13th Smart Card Research and Advanced Application Conference was held in Paris, France, during November 5–7, 2014. The conference was organized by and held at Conservatoire national des arts et métiers (CNAM).

Since 1994, CARDIS is the foremost international conference dedicated to smart card research and applications. Smart cards and secure elements are the basis for many secure systems and play a decisive role in ID management. Established computer science areas like hardware design, operating systems, system modeling, cryptography, verification, and networking got adapted to this fast growing technology and investigate emerging issues resulting from it. Unlike events devoted to commercial and application aspects of smart cards, CARDIS conferences gather researchers and technologists who focus on all aspects of the design, development, deployment, validation, and application of smart cards and secure elements in secure platforms or systems.

CARDIS 2014 received 56 submissions from 21 countries. Each paper was reviewed by at least three independent reviewers. The selection of 15 papers to fill the Technical Program was accomplished based on 170 written reviews. This task was performed by the 26 members of the Program Committee with the help of 52 external sub-reviewers. This year the Program Committee selected a paper to award. To be eligible, the paper had to be co-authored by one full-time student who presented the paper at the conference. This year, the Best Student Paper Award was given to Christine van Vredendaal for the paper titled “Kangaroos in Side-Channel Attacks” written in collaboration with Tanja Lange and Marnix Wakker. The technical program also featured two invited talks and a panel discussion. The first invited speaker, Marc Girault, from Orange Labs, France, presented “A Chip Card Sidelight on Lightweight Crypto.” The second invited speaker, Stefan Mangard, from Graz University of Technology, Austria, spoke about “Designing Secure Smart Cards.” Further, the panel discussion with the topic of “20 years of CARDIS, 40 years of smart cards: Where do we go from there?” was moderated by David M’Raïhi from Perzo, USA.

We would like to thank the General Chair, Prof. Pierre Paradinas, and the local Organizing Committee for their management as well as the authors of all submitted papers. Moreover, we are grateful to the members of the Program Committee and the external sub-reviewers for their diligent work. We would also like to acknowledge the Steering Committee for giving us the privilege of serving as Program Chairs of CARDIS 2014. We especially thank Prof. Jean-Jacques Quisquater for organizing and publicizing this event and for his help and guidance throughout the process.

November 2014

Marc Joye
Amir Moradi

Smart Card Research and Advanced Applications
13th International Conference, CARDIS 2014, Paris,
France, November 5-7, 2014. Revised Selected Papers
Joye, M.; Moradi, A. (Eds.)
2015, X, 261 p. 76 illus., Softcover
ISBN: 978-3-319-16762-6