



# The 6<sup>th</sup> Workshop on RFID Security (RFIDsec'10 Asia)

22<sup>nd</sup>-23<sup>rd</sup> February 2010, Singapore

<http://rfidsec2010.i2r.a-star.edu.sg>

## Call for Papers

### Description

RFIDSec is the earliest workshop devoted to security and privacy issues in Radio Frequency Identification (RFID). Starting in 2005, RFIDSec has been organized as a series of workshops held in Graz (2005/06), Malaga (2007), Budapest (2008), and Leuven (2009). RFIDSec aims to bridge the gap between cryptographic researchers and RFID developers through invited talks and contributed presentations. The RFIDSec Asia workshop is aligned with RFIDSec, and in 2010, the Workshop on RFID Security 2010 Asia (RFIDsec'10 Asia) will be hosted at the Singapore Management University, which is the second edition of the series of workshops held in Asia followed by RFIDsec'09 Asia in Taipei (2009). RFIDsec'10 Asia is to provide a major forum to address the fundamental issues in theory and practice related to security and privacy issues, designs, standards, and case studies in the development of RFID systems and EPCglobal network. Submissions from both academia and industry are welcome and appreciated.

### Important Dates

Submission Deadline: 09-Oct-2009

Acceptance Notification: 16-Nov-2009

Camera-Ready Version Due: 30-Nov-2009

Workshop Dates: 22-23-Feb-2010

### Topics

Topics of the conference include but not limited to:

- New applications for secure RFID systems
- Data protection and privacy-enhancing techniques for RFID
- Cryptographic protocols for RFID
  - Authentication protocols
  - Key update mechanisms
  - Scalability issues
- Integration of secure RFID systems
  - Middleware and security
  - Public-key infrastructures
- Resource-efficient implementation of cryptography
  - Small-footprint hardware
  - Low-power architectures
- Attacks on RFID systems such as RFID malwares.
- RFID security hardware such as RFID with PUF.
- Trust model, data protection and sharing for EPCglobal Network

### Workshop Proceedings

The workshop proceedings will be published in the book series Cryptology and Information Security by IOS. The proceedings will

be available at the workshop. Selected papers (after significant extension) will be invited for a special issue of Journal of Computer Security after the workshop.

### Submission Instructions

Authors are invited to submit papers of at most 12 pages with IOS templates ([http://www.iospress.nl/authco/instruction\\_cr\\_c.html](http://www.iospress.nl/authco/instruction_cr_c.html)). Each submitted paper should be original work, has not previously published and does not contain anything that is libelous, illegal or that infringes any copyright.

### Honorary Chair

Steven Miller (SMU, Singapore)

### General Co-Chairs

Robert Deng (SMU, Singapore)

Lee Eng Wah (NRC, Singapore)

### Program Chairs

Yingjiu Li (SMU, Singapore)

Jianning Zhou (I2R, Singapore)

### Program Committee

Manfred Aigner (TU-Graz, Austria)

Mike Burmester (FSU, US)

Colin Boyd (QUT, Australia)

Jingde Cheng (Saitama Univ, Japan)

Hung-Yu Chien (NCNU, Taiwan)

Shuo-Yan Chou (NTUST, Taiwan)

Chao-Hsien Chu (PSU, US)

Tassos D. Dimitriou (AIT, Greece)

Juan Estévez-Tapiador (York Univ, UK)

Jinsong Han (HKUST, China)

Julio C. Hernandez-Castro (Univ of Portsmouth, UK)

Ari Juels (RSA Laboratories, US)

Florian Kerschbaum (SAP Research, Germany)

Kwangjo Kim (KAIST, Korea)

Marek Klonowski (Wroclaw UT, Poland)

Mirosław Kutylowski (Wroclaw UT, Poland)

Qun Li (College of William and Mary, US)

Tieyan Li (I2R, Singapore)

Nai-Wei Lo (NTUST, Taiwan)

Li Lu (HKUST, China)

Changshe Ma (SMU, Singapore)

Masahiro Mambo (Univ of Tsukuba, Japan)

Yi Mu (UOW, Australia)

Pedro Peris-Lopez (TU-Delft, Netherlands)

Raphael Phan (Loughborough Univ, UK)

Reihaneh Safavi-Naini (Univ of Calgary, Canada)

Kazuo Sakiyama (Univ of Electro-Communications, Japan)

Kouichi Sakurai (Kyushu Univ, Japan)

Willy Susilo (UOW, Australia)

Guilin Wang (Univ of Birmingham, UK)

Yanjiang Yang (I2R, Singapore)

Chan Yeob Yeun (KUSTAR, UAE)

Hosted by:

Co-Hosted by:

In participation of:

Supported by:



NATIONAL RFID CENTRE

