Foreword

Since its inauguration in 2006 in Taipei, ASIACCS, the ACM Asia Conference on Computer and Communications Security, has become an integral part of scientific community in the field of security and privacy. It has been held in Singapore (2007), Tokyo (2008), Sydney (2009), Beijing (2010), Hong Kong (2011), Seoul (2012), Hangzhou (2013), Kyoto (2014), Singapore (2015), and Xi'an (2016).

ASIACCS 2017 takes place in Abu Dhabi and is organized by the New York University Abu Dhabi, UAE. We received 359 submissions, a new record in the conference's decade-long history. This year's Program Committee comprising 108 security researchers from 26 countries, evaluated submissions through a rigorous review procedure. For the first time in the conference's history, a Shadow Program Committee (SPC), composed of 27 security researchers from 14 countries, was introduced. The task of the SPC members was to comment on the reviews made by the PC members, in addition to reviewing the corresponding papers. On the one hand, the SPC comments greatly helped to significantly enhance the quality the many reviews. On the other hand, to provide the anonymity for SPC members, they could not directly debate with the PC members, which was largely due to technological limitations: HotCRP (or any review software for that matter) is not designed to have some accounts only seeing some information. We had a discussion of double-blind vs. single-blind requirements. One of our main goals when designing the system was to ensure that junior reviewers in the SPC could raise criticism of senior reviewers with impunity. Despite the management effort, we believe that implementing the SPC concept was successful. We also learned useful lessons on how to improve it.

After the review process concluded, 67 full papers were accepted to be presented at the conference, representing an acceptance rate of about 18%. In addition, 4 short papers and 10 posters/demos were also included in the program.

We have a strong technical program along with 5 specialized pre-conference workshops, three tutorials and an invited talk track that is introduced this year.

The pre-conference workshops are 4th ACM ASIA Public-Key Cryptography Workshop (APKC 2017), ACM Workshop on Blockchain, Cryptocurrencies and Contracts (BCC'17), 3rd ACM Cyber-Physical System Security Workshop (CPSS 2017), 3rd International Workshop on IoT Privacy, Trust, and Security (IoTPTS 2017), 4th International Workshop on Security in Cloud Computing (SCC).

We are fortunate to have distinguished keynote and invited speakers as well as tutorial lecturers who will present insights into current and future security and privacy research trends. There are three keynotes: Ross Anderson (University of Cambridge, UK), Christof Paar (Ruhr-University Bochum, Germany), and Gregory Neal Akers (Senior Vice President, Cisco Systems). Additionally, there are six invited talks by Mustaque Ahamad (Georgia Institute of Technology, US), Srdjan Capkun (ETH, Switzerland), Ivan Martinovic (Oxford University, UK), David Naccache (ENS, France), Matthias Payer (Purdue, US) and Gene Tsudik (UC Irvine, US). Finally, the conference features three tutorial lectures given by N. Asokan and Andrew Paverd (Aalto University, Finland), Johannes Buchmann (TU Darmstadt, Germany), Ghassan Karame (NEC) and Alexandra Dmitrienko (ETH, Switzerland).

Putting together *ASIACCS 2017* was a team effort. We would like to first thank the authors of all submitted papers, and the attendees for their participation in the technical discussion during the

conference. We are grateful to the Program Committee and the Shadow Program Committee who worked very hard on reviewing papers and providing feedback to authors. On average, each PC/SPC member reviewed 10.0 papers, and some members generously volunteered to help shepherd conditionally accepted papers toward improved presentations. We are also indebted to the external reviewers whose focused expertise significantly helped authors improve their submissions and provided substantial value to the feedback for authors.

We also want to thank the organization team: Ramesh Karri (Tandon School of Engineering, NYU, US), Ozgur Sinanoglu (NYU Abu Dhabi, UAE), and Hoda Alkhzaimi (NYU Abu Dhabi, UAE); Workshop Committee: Ernesto Damiani, (KUSTAR, Abu Dhabi, UAE) and Kapil K Singh (IBM, USA); Publication Committee: Fadi Aloul, (American University of Sharjah, UAE), Michail Maniatakos, (NYU Abu Dhabi, UAE); Tutorials Committee: Nasir Memon (NYU, US), Husrev Taha Sencar (TOBB University, Turkey); Posters Committee: Lucas Davi (University of Duisburg-Essen, Germany) Alexandra Dmitrienko (ETH Zurich, Switzerland); Conference Registration: Christina Popper (NYU Abu Dhabi, UAE); Publicity Committee: Mauro Conti (University of Padua, Italy) and Debin Gao (SMU Singapore); Web Committee: Jeyavijayan (JV) Rajendran (University of Texas at Dallas, US), and Tommaso Frassetto (TU Darmstadt, Germany).

Last but not least we would like to thank for the support by the Centre for Cyber Security of NYU (Abu Dhabi), Dubai Electronic Security Center, and Huawei.

We hope we were able to make ASIACCS greater, and wish all the participants a pleasant (oriental) experience at ASIACCS 2017 in Abu Dhabi.

Ahmad-Reza Sadeghi, *PC co-chair*   **William Enck,** *SPC co-chair*

Xun Yi, *PC co-chair*   **Long Lu,** *SPC co-chair*