2017 International Conference on Cyber Security and Protection of Digital Services (Cyber Security 2017)

London, United Kingdom 19-20 June 2017



IEEE Catalog Number:

CFP17F48-POD 978-1-5090-5064-2

ISBN:

Copyright © 2017 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

 IEEE Catalog Number:
 CFP17F48-POD

 ISBN (Print-On-Demand):
 978-1-5090-5064-2

 ISBN (Online):
 978-1-5090-5063-5

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400 Fax: (845) 758-2633

Fax: (845) 758-2633 E-mail: curran@proceedings.com Web: www.proceedings.com

proceedings ...

Cyber Security 2017 - Track 1: Dynamic Analysis for Malware Detection in Mobile

Chapter 1

Improving Dynamic Analysis of Android Apps Using Hybrid Test Input Generation

Mohammed K. Alzaylaee, Suleiman Y. Yerima and Sakir Sezer

Chapter 2

Continuous Implicit Authentication for Mobile Devices based on Adaptive Neuro-Fuzzy Inference System

Feng Yao, Suleiman Y. Yerima, BooJoong Kang and Sakir Sezer

Chapter 3

Malware Detection in Android based on Dynamic Analysis *Taniya Bhatia and Rishabh Kaushal*

Cyber Security 2017 - Track 2: Machine Learning, Cloud, Crypto and Containerisation

Chapter 4

Identifying Email Threats Using Predictive Analysis

Yuanyuan Grace Zeng

Chapter 5

ROPK++: An Enhanced ROP Attack Detection Framework for Linux Operating System

Vahid Moula and Salman Niksefat

Chapter 6

An Empirical Performance and Security Evaluation of Android Container Solutions

Tianhui Meng, Zhihao Shang and Katinka Wolter

Chapter 7

A Novel Implementation of Parallel Homomorphic Encryption for Secure Data Storage in Cloud

Kamalakanta Sethi, Amartya Majumdar and Padmalochan Bera

Cyber Security 2017 - Track 3: Cyber Security in the Movie Industry

Chapter 8

Securing an US\$ 2.8B Digital Asset: The movie - Avatar

Stephen Singam

Cyber Security 2017 - Track 4: Ransomware, Reverse Engineering and Threat Intelligence

Chapter 9

Foiling Cyber Attacks

Clement Guitton

Chapter 10

PrincessLocker analysis

Yassine LEMMOU and El Mamoun SOUIDI

Chapter 11

Investigation of Cyber Crime Conducted by abusing Weak or Default Passwords with a Medium Interaction Honeypot

Daniel Fraunholz, Daniel Krohmer, Simon Duque Anton and Hans Dieter Schotten

Cyber Security 2017 - Track 5: Vulnerability Assessment, Pervasive Security and Cybercrime Law

Chapter 12

Improved Software Vulnerability Patching Techniques Using CVSS and Game Theory

Louai Maghrabi, Eckhard Pfluegel, Luluwah Al-Fagih, Roman Graf, Giuseppe Settanni and Florian Skopik

Chapter 13

When eHealth meets the Internet of Things: Pervasive Security and Privacy Challenges

Michelle Omoogun, Preetila Seeam, Visham Ramsurrun, Xavier Bellekens and Amar Seeam

Chapter 14

UAE Cybercrime Law and Cybercrimes – An Analysis

Amala V. Rajan, Rejitha Ravikumar and Mariam Al Shaer