

# Andrea Saracino, Ph.D.

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## Personal



Born on September 16, 1987.

Foggia, Italy.

## About Me

I'm currently a Post Doc researcher at Institute of Informatics and Telematics at the National Research Council of Italy as member of the Trustworthy and Secure Computing Group, supervised. My research interests are in the field of mobile security, intrusion and malware detection, access control, trust in cloud and distributed environments. I have coauthored papers published in international journal and conferences on security of mobile systems and application. I'm currently involved the activities of European Projects FP7 CocoCloud. In the past I have been involved in the activities of other European Projects, namely Aniketos and NeSSoS.

I hold a Ph.D. in computer security released from the University of Pisa, Italy, with a thesis entitled: "Enforcing Application Security on Android Mobile Devices", supervised by Prof. Gianluca Dini and Dr. Fabio Martinelli.

In my (few) spare time I'm an archery athlete and instructor and fitness amateur.

## Publications:

- Alessandro Aldini, Fabio Martinelli, Andrea Saracino, Daniele Sgandurra: Detection of repackaged mobile applications through a collaborative approach. *Concurrency and Computation: Practice and Experience* 27(11): 2818-2838 (2015)
- [To appear] Mina Sheikhalishahi, Andrea Saracino, Mohamed Mejri, Nadia Tawbi, Fabio Martinelli: Fast and Effective Clustering of Spam Emails by Structural Similarity, in *Proceedings of Foundations and Practice of Security 2015*.
- [To appear] Fabio Martinelli, Paolo Mori, Andrea Saracino: Enhancing Android Permission through Usage Control: A BYOD Use-Case, in *Proceedings of ACM Symposium on Applied Computing 2016*.
- Francesco Restuccia, Andrea Saracino, Sajal K. Das, Fabio Martinelli: Preserving QoI in participatory sensing by tackling location-spoofing through mobile WiFi hotspots. *PerCom Workshops 2015*: 81-86
- Mina Sheikhalishahi, Andrea Saracino, Mohamed Mejri, Nadia Tawbi, Fabio Martinelli: Digital Waste Sorting: A Goal-Based, Self-Learning Approach to Label Spam Email Campaigns. *STM 2015*: 3-19
- Andrea Saracino, Daniele Sgandurra, Dayana Spagnuolo: Addressing privacy issues in location-based collaborative and distributed environments. *CTS 2014*: 166-172
- Fabio Martinelli, Iliaria Matteucci, Andrea Saracino, Daniele Sgandurra: Enforcing Mobile Application Security Through Probabilistic Contracts. *ESSoS Doctoral Symposium 2014*
- Aliaksandr Lazouski, Fabio Martinelli, Paolo Mori, Andrea Saracino: Stateful Usage Control for Android Mobile Devices. *STM 2014*: 97-112
- Gianluca Dini, Fabio Martinelli, Andrea Saracino, Daniele Sgandurra: Probabilistic Contract Compliance for Mobile Applications. *ARES 2013*: 599-606
- Gianpiero Costantino, Fabio Martinelli, Andrea Saracino, Daniele Sgandurra: Towards enforcing on-the-fly policies in BYOD environments. *IAS 2013*: 61-65

- Fabio Martinelli, Andrea Saracino, Daniele Sgandurra, Alessandro Aldini: A collaborative framework for generating probabilistic contracts. CTS 2013: 139-142
- Fabio Martinelli, Andrea Saracino, Daniele Sgandurra: Classifying Android Malware through Subgraph Mining. DPM/SETOP 2013: 268-283
- Gianluca Dini, Fabio Martinelli, Ilaria Matteucci, Andrea Saracino, Daniele Sgandurra: Introducing Probabilities in Contract-Based Approaches for Mobile Application Security. DPM/SETOP 2013: 284-299
- Gianluca Dini, Fabio Martinelli, Ilaria Matteucci, Marinella Petrocchi, Andrea Saracino, Daniele Sgandurra: Evaluating the Trust of Android Applications through an Adaptive and Distributed Multi-criteria Approach. TrustCom/ISPA/IUCC 2013:1541-1546
- Gianluca Dini, Fabio Martinelli, Ilaria Matteucci, Marinella Petrocchi, Andrea Saracino, Daniele Sgandurra: A Multi-criteria-Based Evaluation of Android Applications. INTRUST 2012: 67-82
- Gianluca Dini, Fabio Martinelli, Andrea Saracino, Daniele Sgandurra: MADAM: A Multi-level Anomaly Detector for Android Malware. MMM-ACNS 2012: 240-253

## Education and Titles

Ph.D. in Computer Security

Thesis Title: Enforcing Application Security on Android Mobile Devices

University: Università di Pisa.

Beginning Year: 2012

Degree Year: 2015

Master Degree:

Title: Laurea Specialistica in Computer Engineering.

Mark: 110/110

University: Università di Pisa.

Beginning year: 2010.

Degree year: 2011.

Main Subjects: Advanced Network Architectures, QoS, System and Network Security, Databases, Operative Systems, Distributed Programming, Computational Intelligence, Real Time Systems, Electronic and Telecommunication Systems.

Bachelor Degree:

Title: Laurea in Computer Engineering.

Mark: 103/110

University: Università di Pisa.

Beginning year: 2007.

Degree year: 2010.

Main Subjects: Computer Architecture, Electronic, Networking, C and C++ Programming, Assembly Programming, Automatic Controls, Electrical Communication and Signal Theory, Enterprise Management, Optimization, Physics, Mathematics.

High School:

Maturità Scientifica

Mark 100/100

School: Liceo Scientifico Guglielmo Marconi, Foggia.

## Teaching Experience

March 2014 – January 2015

Teaching Assistant for the course of Network and System Security, Computer Engineering, Università di Pisa, Italy.

March 2014 – May 2014

Mobile Application Security as part of the course of Network and System Security, Computer Engineering, Università di Pisa, Italy.

March 2013 – May 2013

Elements of Android Programming, as part of the course of Network and System Security, Computer Engineering, Università di Pisa, Italy.

## Work Experience

Company: Intecs S.p.a. Pisa.

Type of experience: Training.

Duration: Six Months.

Project: Development of a security architecture for P2P environments.

## Language Skills

Italian: Mother Tongue.

English: TOEFL IBT score: 90.

## Other Skills

Driving License A, B.

Last updated: November, 25, 2015