Luca Melis

Curriculum Vitae

Computer Science Dept,
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🖥 *http://lucamelis.github.io*

Personal Details

Residence	London	Country	United Kingdom

Education

July 2006	**Diploma as Accountant and Book-keeper**, *Business High School "A. Maxia" Aritzo*, Italy, mark 100/100.
April 2010	**Bachelor's Degree in Computer Engineering**, *University of Florence*, mark 110/110 cum laude.
April 2013	**Master's Degree in Computer Engineering**, *University of Florence*, mark 110/110 cum laude and honorable mention.
September 2014–Present	**PhD in Applied Cryptography**, *University College of London*, London, United Kingdom.

Visits/Internships

August 2012–January 2013	**EU Erasmus**, Aarhus University, Aarhus, Denmark. Master's thesis preparation under the supervision of Claudio Orlandi and Ivan Damgård; Research on post quantum cryptography.
September–December 2015	**PhD Intern**, INRIA Rhone Alpes, Grenoble, France. Working under the supervision of Dr. Claude Castelluccia; Research on Deep Learning applied to Differential Privacy and social networks de-anonymization.

Schools/Workshops Attended

August 2011	**Computational Nanotechnology Summer School**	*Gdansk University of Technology,Poland*
13-16 October 2014	**IACR/CryptoAction School on Cryptographic Attacks**	*Porto,Portugal*
28-29 January 2015	**Privaski Workshop**	*Correncon, France*
7-9 January 2015	**Real World Cryptography Workshop 2015**	*London, United Kingdom*
31 August - 5 September 2015	**School on Foundations of Security Analysis and Design (FOSAD)**	*Bertinoro, Italy*

Research interests

○ Privacy and Applied Cryptography
○ Systems and Network Security
○ Machine learning applied to security problems

List of publications

Luca Melis, Hassan Jameel Asghar, Emiliano De Cristofaro, and Mohamed Ali Kaafar. Private Processing of Outsourced Network Functions: Feasibility and Constructions. *1st ACM Workshop on SDN-NFV Security 2016, to appear*, 2016.

Luca Melis, George Danezis, and Emiliano De Cristofaro. Efficient Private Statistics with Succinct Sketches. *23rd Network and Distributed System Security Symposium (NDSS 2016), to appear*, 2016.

Work experiences

May–June 2013   **Business Intelligence consultant**, Iconsulting S.p.A., Bologna, Italy.

July–October 2013   **Computer Vision researcher**, T3LAB, Bologna, Italy.

November 2013–August 2014   **Software Test Engineer Level II**, Gaming Laboratories International (GLI), Bologna, Italy.

Language skills

Italian   **Mothertongue**

English   **Fluent**   *Level C1, TOEFL internet based test with a score of 98 out of 120 (2014)*

Computer skills and competences

Operative Systems   **Unix/Linux, Windows**

Languages   **C/C++, SQL, Java, PHP, Flex, JavaScript, Python, Visual Basic.Net, Bash, LATEX**

London, February 4, 2016