

# Luca Melis

## Curriculum Vitae

Computer Science Dept,  
University College London  
Gower Street, London WC1E 6BT  
✉ [luca.melis.14@ucl.ac.uk](mailto:luca.melis.14@ucl.ac.uk)  
📄 <http://lucamelis.github.io>



### Education

- April 2010 **Bachelor's Degree in Computer Engineering**, *University of Florence*, mark 110/110 cum laude.  
Thesis: Implementation of a Buyer-Seller protocol based on group signatures
- April 2013 **Master's Degree in Computer Engineering**, *University of Florence*, mark 110/110 cum laude and honorable mention.  
Thesis: On the Learning Parity with Noise Problem
- September 2014–Present **PhD in Privacy Enhancing Technologies**, *under the supervision of Dr. Emiliano De Cristofaro and Dr. George Danezis*, University College of London.

### Research interests

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

### Visits/Internships

- August **EU Erasmus**, AARHUS UNIVERSITY, Aarhus, Denmark.
- 2012–January 2013 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.

### 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.

## Schools/Workshops Attended

August 2011	<b>Computational Nanotechnology Summer School</b>	<i>Gdansk University of Technology, Poland</i>
October 2014	<b>IACR CryptoAction School on Cryptographic Attacks</b>	<i>Porto, Portugal</i>
January 2015	<b>Privaski Workshop 2015</b>	<i>Correncon, France</i>
January 2015	<b>Real World Cryptography Workshop 2015</b>	<i>London, United Kingdom</i>
September 2015	<b>School on Foundations of Security Analysis and Design (FOSAD)</b>	<i>Bertinoro, Italy</i>

## Teaching experience

Teaching Assistant	<b>Privacy Enhancing Technologies</b> , MSC IN INFORMATION SECURITY, University College London, Winter 2015, Winter 2016.
Teaching Assistant	<b>Publishing Scientific Papers with LaTeX/BibTeX</b> , DOCTORAL SKILLS DEVELOPMENT PROGRAMME, University College London, Winter 2015.

## Work experience

May–June 2013	<b>Business Intelligence consultant</b> , ICONSULTING S.P.A., Bologna, Italy.
July–October 2013	<b>Computer Vision researcher</b> , T3LAB, Bologna, Italy.
November 2013–August 2014	<b>Software Test Engineer Level II</b> , GAMING LABORATORIES INTERNATIONAL (GLI), Bologna, Italy.

## Language skills

Italian	<b>Mother tongue</b>	
English	<b>Fluent</b>	<i>Level C1, TOEFL internet based test with a score of 98 out of 120 (2014)</i>

London, February 10, 2016