

# LORETTA ILARIA MANCINI

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Address	13 Oxford Street Stirchley Birmingham, UK B30 2LH	Mobile	+44 7939320806
		E-mail	<a href="mailto:lorettailaria@gmail.com">lorettailaria@gmail.com</a>
		Webpage	<a href="http://www.cs.bham.ac.uk/~lxm619">http://www.cs.bham.ac.uk/~lxm619</a>
Gender	Female	Nationality	Italian
Date of birth	24/06/1978		

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My research mainly focuses on the verification of privacy related properties more specifically anonymity and unlinkability. Although the development of formal methods for the verification of security protocols is the main goal of my research, I draw inspiration and motivation from real world case studies. In particular, mobile telephony protocols proved to be interesting and challenging from the privacy verification point of view and for the development of the theoretical tools needed for the verification of unlinkability and anonymity in stateful systems.

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## PUBLICATIONS:

Myrto Arapinis, Loretta Mancini, Eike Ritter, Mark Ryan, Nico Golde, Kevin Redon, Ravishankar Borgaonkar. *New privacy issues in mobile telephony: fix and verification*. Proceedings of the 19th ACM Conference on Computer and Communications Security. CCS 2012. <http://markryan.eu/research/mobile/UMTS>

Myrto Arapinis, Loretta Mancini, Eike Ritter, Mark Ryan. *Formal Analysis of UMTS Privacy*. Eprint.

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## WORKSHOPS:

Myrto Arapinis, Loretta Mancini, Eike Ritter, Mark Ryan. *Pseudonyms in mobile telephony systems: good principles but weak implementations*. HotSpot 2013. <http://markryan.eu/research/mobile/tmsi-reallocation>

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## EDUCATION:

### *University of Birmingham*

2010/now **PhD Computer Science.**

2006/2007 **Computer Science and Software Engineering Exchange Student.**

### *Università degli Studi di Roma "La Sapienza"*

2006 **Degree in Computer Science. Final mark: 107/110.**

Title of thesis: **"Formalizzazione di Proprietà di sicurezza in  $\pi$ -Calcolo"**  
(Formalisation of Security Properties in  $\pi$ -Calculus)

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## LEADERSHIP:

### *University of Birmingham.*

2010/2011 *First Year Workshop Small Group Tutor* - School of Computer Science.

2010/now *Founder and Chair* - Black Dragon Kung Fu Society

2011/now *International Students Representative* - SRSCC (Staff Research Students Consultative Committee) School of Computer Science

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## LANGUAGES:

**Italian:** mother tongue, **English:** intermediate, **French:** basic

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