

Curriculum Vitae

Bingsheng Zhang

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Higher Education:

2009 – 2011:	University of Tartu (UT)	(Ph.D.)	Estonia
2007 – 2008:	University College London (UCL)	(M. Sc.)	UK
2003 – 2007:	Zhejiang University of Technology	(B. Eng.)	China

Qualifications and Certificates:

- Honorable Mention Postdoc Research Award at UB 2013
- Ph.D. in Computer Science 2011
- M.Sc. in Information Security 2008
- B.Eng. in Computer Science and Technology 2007
- B.L in Law (Second Degree) 2007
- Certification for Outstanding Graduate of Zhejiang Province 2007
- Two Qualifications Certificate for Computer and Software Technology Proficiency (In 2006, participants 75,654, passing rate 16.1%) Software Engineer and Network Engineer, Intermediate Level 2006
- Second Prize in the 4th NEC Cup ACM Collegiate Programming Contest 2006
- Most Distinguished Student Award 2006

Teaching and Research Experience:

- Lecturer (Assistant Professor):
 - Employer: Lancaster University, UK
 - Supervisor/Direct line manager: Prof. Awais Rashid
 - Dates of appointment: 09/2015 - current
- Postdoctoral Research Associate:
 - Employer: National and Kapodistrian University of Athens, Greece
 - Supervisor/Direct line manager: Prof. Aggelos Kiayias
 - Dates of appointment: 07/2013 - 08/2015
 - Research description: I am one of the main investigators of the project

"Towards Fully Integrated National E-voting and Referendum Systems" (FINER). My task is to design and implement an end-to-end verifiable e-voting system (distributed system) that has no single-point failure.

- Postdoctoral Research Associate:
 - Employer: State University of New York at Buffalo, USA
 - Supervisor/Direct line manager: Prof. Kui Ren
 - Dates of appointment: 09/2012 - 10/2013
 - Research description: Main research focuses includes cyber security, secure and privacy-assured cloud computing/outsourcing, and security in contactless mobile payment system.
 - Teaching description: Daily supervision of three Ph.D. students (Zhan Qin, Zhen Xu, and Si Chen), and lead the research projects in the team. Daily instruction of one Master student's (Junfei Wang) thesis project. Course Teaching (the percentage stands for the actual amount of the course taught by me):
 - ✓ CSE 706 Seminar: Security and Privacy in Emerging Applications (25%)
 - 2013 Fall. Postgraduate level. (14 students attended)

- Lecturer/Teaching Assistant:
 - Employer: University of Tartu, Estonia
 - Supervisor/Direct line manager: Prof. Jaak Vilo
 - Dates of appointment: 07/2011 - 08/2012
 - Teaching description: Official supervision of one Master student's (Vignesh Meenakshi Sundaram) thesis project. I am in the master's thesis committee for "NordSecMob-Master's programme in Security and Mobile Computing" and an official Master thesis reviewer. Course teaching (the percentage stands for the actual amount of the course taught by me):
 - ✓ MTAT.07.025 Topics of Mathematics in Cryptology (100%)
 - 2012 Spring. Postgraduate level. (12 students attended)
 - ✓ MTAT.07.002 Cryptology I (50%)
 - 2011 Fall. Graduate level. (120 students attended)
 - ✓ MTAT.07.003 Cryptology II (TA only)
 - 2012 Spring. Postgraduate level. (7 students attended)
 - ✓ MTAT.07.014 Cryptographic Protocols (50%)
 - 2011 Fall. Postgraduate level. (9 students attended)
 - ✓ MTAT.07.024 Quantum Cryptography (TA only)
 - 2012 Spring. Postgraduate level. (6 students attended)
 - ✓ MTAT.07.004 Complexity Theory (50%)
 - 2011 Fall. Postgraduate level. (8 students attended)
 - ✓ MTAT.07.022 Research Seminar in Cryptography (one student project)
 - 2011 Fall. Postgraduate level. (Supervision of one student, Hendri Tan)

- Researcher:
 - Employer: Cybernetica AS, Estonia
 - Supervisor/Direct line manager: Prof. Peeter Laur
 - Dates of appointment: 09/2009 - 06/2011
 - Research description: Theoretical research and practical implementation on multiparty computation platform *Sharemind* for privacy preserving data mining, which was granted by the US Defense Advanced Research Projects Agency (DARPA).

- Paid Research-based Internship:
 - Employer: Centre for Information & Security Systems Research at BT, UK
 - Supervisor/Direct line manager: Dr. Paul Kearney
 - Dates of appointment: 11/2008 - 03/2009
 - Research description: I participated in the EU FP7 project MASTER (Managing Assurance, Security and Trust for Services). My research mainly focuses on the Protection and Assessment workbench of that project: I constructed a meta model (tool) for ICT system risk management using Eclipse Modeling Framework (EMF) and Graphical Modeling Framework (GMF). I used Object Constraint Language (OCL) and combined the Bayesian network with risk models to facilitate automatic risk profile generation.

- Part-time Research Assistant:
 - Employer: University College London, UK
 - Supervisor/Direct line manager: Dr. Jun Wang
 - Dates of appointment: 04/2008 - 11/2008
 - Research description: The founder of information retrieval test platform (JAVA) at information retrieval research group led by Prof. Ingemar Cox. I also assisted Dr. Nicolas Courtois to develop practical attacks on MiFare Classic RFID cards, using TI TRF7960EVM reader. (It was a very high impact research, as more than 200 million MiFare Classic RFID cards are in circulation).

Personal Details:

Date of Birth: 14 December 1984
 Nationality: Chinese
 Marital Status: Married
 Language: English (Professional), Chinese (Native)
 Membership of Professional Organizations: Member of IACR, Member of IEEE

Publications:

See <http://dblp.uni-trier.de/pers/hd/z/Zhang:Bingsheng>