

## Dr. Jiangshan Yu (B.Eng, MSc, MPhil, PhD)

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CONTACT INFORMATION	E02 0245-280, Maison du Nombre, University of Luxembourg, 2 Avenue de l'Universit, L-4365, Esch-sur-Alzette, Luxembourg.	<i>E-mail:</i> <a href="mailto:j.yu.research@gmail.com">j.yu.research@gmail.com</a>  <i>Home-page:</i> <a href="http://www.jiangshanyu.com">www.jiangshanyu.com</a>
RESEARCH INTERESTS	My research interests are in <b>cyber security and user privacy</b> . In particular, the focus of my research has been on applied crypto, secure authentication, key management, public key infrastructure, secure messaging, post-compromise security, and formal security verification.	
EDUCATION	<p><b>Ph.D</b> in Cyber Security, Oct.2012-Sept.2016. <b>University of Birmingham</b>, UK. Thesis: <i>Mitigating private key compromise</i>.</p> <p><b>M.Phil</b> in Cryptography (2011-2012). <b>University of Wollongong</b>, NSW, Australia. Thesis: <i>Remote User Authentication in Distributed Systems and Networks</i>.</p> <p><b>M.Sc.</b> in Information Security (2010-2011). <b>University of Wollongong</b>, Australia.</p> <p><b>B.Eng.</b> in Computer Science and Technology (2005-2009), <b>Northeast Agricultural University</b>, Harbin, China. (<b>Top 1 out of 82, Best Thesis Award</b>).</p>	
POSITIONS	<p><b>Research fellow</b>, Interdisciplinary Centre for Security, Reliability and Trust (SnT), University of Luxembourg, Luxembourg. (2016-Present)</p> <p><b>Honorary research fellow</b>, University of Birmingham, UK. (2016-Present)</p> <p><b>Director</b>, CloudTomo Limited, UK. (2014-2016)</p> <p><b>Tech consultant</b>, Jin Xin Tong Trust and Investment Corporation Ltd, UK. (2014-2015)</p> <p><b>President</b>, <a href="#">Endless Martial Arts Association</a>, Wollongong, Australia. (2011-2012)</p> <p><b>Manager</b>, Department of Student Service, <a href="#">Wollongong Chinese Students &amp; Scholars Association</a>, Wollongong, NSW, Australia.(2010-2012)</p>	
SELECTED PROJECTS:	<p><b>Co-Designer</b>. <i>Huawei SoC Secure Boot Solution</i>, UK. 2016. (Funded by Huawei Ltd.)</p> <p><b>Project manager</b>. <i>Innovate UK project on user-friendly security and privacy to increase confidence in cloud-based systems</i>, UK. June - September, 2015. (Funded by Innovate UK.)</p>	
GRANT:	<b>“Technology inspired feasibility study for secure email and cloud storage”</b> , GBP33,000 from Technology Strategy Board (Innovate UK), 2015.	
PROFESSIONAL ACTIVITIES:	<b>(Finalist) RAEng Enterprise Fellowship</b> , Royal Academy of Engineering, UK. 2015.	

**Chair**, *The future of digital currency and block chain technology workshop*, Birmingham, UK. September, 2015.

**PC member**, *Software Architecture for Big Data and the Cloud*, 2016.

**Invited Reviewer (Journal):**

- *IEEE Transactions on Information Forensics & Security*; *The Computer Journal*; *Journal of Information Security and Applications*; *Security and Communication Networks*; *International Journal of Information Security*.

**Invited Reviewer (Conference):**

- *ACISP 2013*; *ESORICS 2013*; *DPM 2013*; *ACNS 2014*; *SEC 2014*; *FMS 2014*; *WPES 2014*; *POST (ETAPS) 2015*; *ASIACCS 2015*; *IFIP SEC 2015*; *IEEE Euro S&P 2016*; *ESSoS 2016*; *IFIP SEC 2016*; *ESORICS 2016*; *WISTP 2016*; *EuroSys 2017*; *AsiaCCS 2017*.

**PATENTS**

**Key Usage Detection (Patent pending)**

- UK Patent Application GB 1416188.9
- US Patent Application US 14/852,342

**AWARDS**

**Scholarships:**

- Universitas 21 scholarship from the University of Birmingham, 2015.
- EPSRC project funding for PhD studies at University of Birmingham, 2012 - 2015.
- Overseas top-up scholarship from the University of Birmingham for PhD studies, 2012 - 2015.
- First class scholarship, Northeast Agricultural University, Harbin, Heilongjiang, China, 2006, 2007, and 2008.

**Other:**

- **First place award**, the Coniston poster competition, University of Birmingham, UK, 2014.
- **Outstanding Graduates of Heilongjiang Province**, Heilongjiang, China, 2009;
- **Outstanding Graduates of Northeast Agricultural University**, Harbin, Heilongjiang, China, 2009;
- **Best Undergraduate Thesis Award**, Northeast Agricultural University, Harbin, Heilongjiang, China, 2009;
- **Outstanding Academic Award**, The Northeast Agricultural University, China, 2008;
- **First National Prize** of China Contemporary Undergraduate Mathematical Contest in Modeling, China, 2007;
- **Second National Prize** of China Contemporary Undergraduate Mathematical Contest in Modeling, China, 2006;
- **Outstanding Student Award** of The Northeast Agricultural University, China, 2006;
- **Outstanding Student Leadership Award**, The Northeast Agricultural University, China, 2006.