Curriculum Vitae (October 2020)

Yingjiu Li

First Name: Yingjiu; Last Name: Li
Also known as: Joe Li
Email: yingjiul@uoregon.edu; Web: https://ix.cs.uoregon.edu/~yingjiul/

Citizenship: Singapore

Highest Degree: PhD in Information Technology, George Mason University

Positions Held

<table>
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<tr>
<th>Dates</th>
<th>Position</th>
<th>Institution</th>
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<tr>
<td>Dec. 2019 – Present</td>
<td>Ripple Professor (tenured Full</td>
<td>University of Oregon</td>
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<td></td>
<td>Professor)</td>
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<tr>
<td>Aug. 2003 – Dec. 2010</td>
<td>Assistant Professor</td>
<td>Singapore Management University</td>
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<tr>
<td>May. 1999 – Aug. 2003</td>
<td>Graduate Research Assistant</td>
<td>George Mason University</td>
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<tr>
<td>Aug. 1998 – Apr. 1999</td>
<td>Graduate Teaching Assistant</td>
<td>George Mason University</td>
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Research Interests


Refereed Journal Articles


Refereed Conference Publications

1. Yangguang Tian, Nan Li, Yingjiu Li, Pawel Szalachowski, Jianying Zhou, “Policy-Based Chameleon Hash for Blockchain Rewriting with Black-Box Accountability,” accepted by the 36th Annual Computer Security Applications Conference (ACSAC), Austin, Texas, December 7-11, 2020.


41. Yan Li, Yingjiu Li, Qiang Yan, Robert Deng, “Think twice before you share: Analyzing privacy leakage under privacy control in online social network (short paper),” *the 7th International Conference on Network and System Security (NSS)*, 671-677, Madrid, Spain, June 3-4, 2013.


43. Shaoying Cai, Yingjiu Li, Yunlei Zhao, “Distributed Path Authentication for Dynamic RFID-Enabled Supply Chains,” *the 27th IFIP International Information Security and Privacy Conference (SEC)*, 501-512, Heraklion, Crete, Greece, June 4-6, 2012 (*Nomination for Best Student Paper Award*).


47. Qiang Yan, Jin Han, Yingjiu Li, Robert Deng, “On Limitations of Designing Usable Leakage-Resilient Password Systems: Attacks, Principles and Usability,” *the 19th Network & Distributed System Security Symposium (NDSS)*, San Diego, California, USA, February 5-8, 2012 (*Distinguished Paper Award*).


76. Xintao Wu, Ying Wu, Yongge Wang, Yingjiu Li, “Privacy Aware Market Basket Data Set Generation: A Feasible Approach for Inverse Frequent Set Mining,” 2005 SIAM International Conference on Data Mining (SDM), 103-114, Newport Beach, CA, USA, April 2005.


Authored Books


Government Funding (Singapore dollar S$1 ≃ US dollar US$0.72 as of 9 March 2020)
1. Albert Ching (PI from i-Sprint Innovations), Yingjiu Li (Co-PI and lead from Singapore Management University), Robert Deng (Co-PI from Singapore Management University), “Building next-generation secure environments on smartphones for critical mobile applications,” S$879,886.08 (≃ US$ 633,518) allocated to Singapore Management University, National Research Foundation Singapore (NCR2016NCR-NCR002-022), 1 October 2017 - 30 September 2019.


Patents


Technical Contributions to Industry

1. Android Security Flaws (Google 2016): A series of Android framework vulnerabilities (unprotected APIs) and attacks on Android 5.1.0 and 4.4.4 (including CVE-2016-0831) discovered by Su Mon Kywe, Yingjiu Li, Tieyan Li, and Yongzheng Wu were reported to Google in 2015 and 2014, respectively. The findings were acknowledged by Google in its Nexus Security Bulletin - March 2016 (https://source.android.com/security/bulletin/2016-03-01.html).

2. iOS Security Flaws (Apple 2013): A series of iOS framework vulnerabilities (private APIs) and attacks on iOS 5 and iOS 6 (including CVE-2013-0957, CVE-2013-5156, CVE-2013-5157) discovered by Jin Han, Qiang Yan, Su Mon Kywe under the supervision of Yingjiu Li, Robert Deng, Debin Gao, Jianying Zhou, and Feng Bao were reported to Apple’s security team and rectified by Apple in its release of iOS 7 in September 2013 (http://support.apple.com/kb/HT5934). The findings were recorded in the paper titled “Launching Generic Attacks on iOS with Approved Third-Party Applications,” authored by Jin Han, Su Mon Kywe, Qiang Yan, Feng Bao, Robert Deng, Debin Gao, Yingjiu Li, Jianying Zhou, and published in the 11th International Conference on Applied Cryptography and Network Security (ACNS), 272-289, Alberta, Canada, June 25-28, 2013.

3. Secure RFID Track and Trace (Makino Asia Pte. Ltd. 2013): Consultancy on RFID security was provided to Singapore Institute of Manufacturing Technology (SIMTech) for SIMTech track&solution developed for a company (Makino) in Singapore from November 2012 to February 2013.

Selected Professional Services


- **Conference Organization Committees**: CCS (Tutorial Co-Chair 2014), SecureComm (General Chair 2018), AsiaCCS (Publicity and Publication Chair 2007), IEEE-CNS (Publicity Co-Chair 2013), RFIDsec Asia (General Co-Chair 2013, Program Committee Chair 2010, 2012, 2014), DBSec (Program Committee Chair 2011).


- **Professional Membership**: ACM Senior Member (since 2009), ACM SIGSAC Member

**Recent Invited Talk**


**Teaching and Internal Services**


- **Internal Services**: University Tribunal (2012-2019), Digital Library Committee (2006-2007)

**Honors and Awards**

• Long Service Award in Recognition of Fifteen Years of Dedicated Service, Singapore Management University, September 2018.

• Lee Kong Chian Fellowship under the School of Information Systems, Singapore Management University, January 1 - December 31, 2015.

• Long Service Award in Recognition of Ten Years of Dedicated Service, Singapore Management University, December 2013.

• Distinguished Paper Award, the 19th Network & Distributed System Security Symposium (NDSS 2012), San Diego, California, USA, February 5-8, 2012.

• George Mason University Office of Technology Transfer 2010 Awards, George Mason University, October 18, 2010.

• Long Service Award in Recognition of Five Years of Dedicated Service, Singapore Management University, December 2008.

Appreciation Certificates Received

• In recognition of valuable contribution to the Futurescape 2025 Panel on Semantic Web of Everything, from Agency for Science, Technology and Research, Singapore, 26 November 2014.

• For successfully completing the Autonomous Universities Milestone Programme, from Ministry of Education Singapore, 10-12 December 2012.

Media Reports about Research Work Involved

• RFID security and privacy, smartphone system security, and attribute-based encryption

• Face authentication with liveness detection

• Android security vulnerabilities discovered

• iOS security vulnerabilities discovered