Curriculum Vitae (2023)

Yingjiu (Joe) Li

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

Highest Degree: PhD in Information Technology, George Mason University, USA, 2003

Positions Held

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<tr>
<th>Dec. 2019 – Present</th>
<th>Ripple Professor</th>
<th>University of Oregon</th>
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<td>Jan. 2011 – Dec. 2019</td>
<td>Associate Professor</td>
<td>Singapore Management University</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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Research Interests


Refereed Journal Articles


8. Peizhuo Lv, Pan Li, Shengzhi Zhang, Kai Chen, Ruigang Liang, Hualong Ma, Yue Zhao, Yingjiu Li, “A Robustness-Assured White-Box Watermark in Neural Networks,” accepted by IEEE Transactions on Dependable and Secure Computing (TDSC), 2023.


**Refereed Conference Publications**

1. Nan Li, Yingjiu Li, Atsuko Miyaji, Yangguang Tian, Tsz Hon Yuen “A Practical Forward-Secure DualRing” accepted by the 22nd International Conference on Cryptology and Network Security (CANS), Augusta, Georgia, USA, October 31 - November 2, 2023.


4. Li Song, Qiongxiao Wang, Jingqiang Lin, Yingjiu Li, Shijie Jia, “Approach then connect: A Physical Location-based Wi-Fi Password Dynamic Update Scheme,” IEEE Wireless Communications and Networking Conference (WCNC), 1010 - 1015, Austin, TX, USA, April 1013, 2022.


31. Hui Cui, Robert H. Deng, Xuhua Ding and Yingjiu Li, Attribute-Based Encryption with Granular Revocation, the 12th EAI International Conference on Security and Privacy in Communication Networks (SecureComm), 165-181, Guangzhou, China, October 10-12, 2016.


40. Yan Li, Ke Xu, Qiang Yan, Yingjiu Li, Robert H. Deng, “Understanding OSN-Based Facial Disclosure against Face Authentication Systems,” *the 9th ACM Symposium on Information, Computer and Communications Security (AsiaCCS)*, 239-248, Kyoto, Japan, June 4-6, 2014.


48. 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.


50. 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).


83. 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**


**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), ICNSBT (International advisory committee member, 2024)

- **Editorial Board Member:** IEEE Transactions on Dependable and Secure Computing (TDSC), IEEE, 2021 Feb - present; IEEE Transactions on Reliability (TRel), IEEE, 2022 July - present.

School Services and Committees

- Director, Center for Cyber Security and Privacy (CCSP), University of Oregon, January 2023 - September 2023.
• Director of Graduate Studies, Department of Computer Science, University of Oregon, September 2022 - June 2023.

• Jun Li, Yingjiu Li, Reza Rejaie, Proposal for University of Oregon Bachelor’s Degree in Cybersecurity, June 2022. This degree program was approved and launched in September 2023.

• Joint Recruiting Committee for Tenure-Track Faculty in Biomedical Data Science, CIS and Math, University of Oregon, October 2021 - March 2022

• Undergraduate Education Committee (UEC), Department of Computer and Information Science, University of Oregon, September 2021 - August 2022.

• Graduate Education Committee (GEC), Department of Computer Science, University of Oregon, October 2020 - September 2021; September 2022 - present.

• Curriculum Committee (CC), Department of Computer Science, University of Oregon, October 2020 - September 2021; September 2022 - present.

• Information Security and Privacy Governance Subcommittee (ISP GC), University of Oregon, October 2020 - present.

• Committee on Sexual and Gender Based Violence, University of Oregon, May 2020 - April 2023.

Recent Talks


• Keynote talk: Robust Android Malware Detection, Information Security Conference (ISC), Bali (Indonesia), 16 - 20 December 2020


Honors and Awards

• Best Paper Award, the 5th IEEE Conference on Dependable and Secure Computing (IEEE DSC), Edinburgh, UK, June 22 - 24, 2022.

• 2021 UBRI Educator Award, Ripple’s University Blockchain Research Initiative (UBRI), UBRI Connect 2021, October 11 - 12, 2021.

• Ripple Professorship, University of Oregon, December 2019 - present.

• Lee Kong Chian Fellowship, Singapore Management University, July 1, 2018 - June 30, 2020.

• 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.

• 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.

**Media Reports about Research Work Involved**

• Decentralized exchange security
  
  – *Oregon Quarterly*: Cybersecurity Researchers Help Protect the Internet, by Rosemary Howe Camozzi, April 6, 2022 (https://around.uoregon.edu/content/cybersecurity-researchers-help-protect-internet).

• RFID security and privacy
  

• Face authentication with liveness detection
  

• Android security vulnerabilities discovered
  
  

• iOS security vulnerabilities discovered
  