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Education

1998 - 2003	Ph.D. in Information Technology Center for Secure Information System, Department of Information and Software Engineering George Mason University
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Position(s) Held

Jan 2011 - Now	Associate Professor
Aug 2003 - Dec 2010	Assistant Professor School of Information Systems Singapore Management University
May 1999 - Aug 2003	Graduate Research Assistant George Mason University
Aug 1998 - Apr 1999	Graduate Teaching Assistant George Mason University

Research Interests

1. RFID Security and Privacy
2. Mobile and System Security
3. Applied Cryptography and Cloud Security
4. Data Application Security and Privacy

Journal Article

1. "A study on a feasible no-root approach on Android", by CHENG, Yao; LI, Yingjiu; DENG, Robert; YING, Lingyun; HE, Wei, 11/2016, *Journal of Computer Security*, Preprint, Preprint, 1 - 23, <http://doi.org/10.3233/JCS-16866>. (Advance Online, Peer-Reviewed)
2. "Efficient and Expressive Keyword Search Over Encrypted Data in the Cloud", by CUI, Hui; WAN, Zhiguo; DENG, Robert; WANG, Guilin; LI, Yingjiu, 08/2016, *IEEE Transactions on Dependable and Secure Computing*, <http://doi.org/10.1109/TDSC.2016.2599883>. (Advance Online, Peer-Reviewed)

3. "ICCDetector: ICC-Based malware detection on Android", by XU, Ke; LI, Yingjiu; DENG, Robert H., 06/2016, *IEEE Transactions on Information Forensics and Security*, 11, 6, 1252 - 1264, <http://dx.doi.org/10.1109/TIFS.2016.2523912>. (Published, Peer-Reviewed)
4. "Empirical study of face authentication systems under OSNFD attacks", by LI, Yan; LI, Yingjiu; XU, Ke; YAN, Qiang; DENG, Robert, 04/2016, *IEEE Transactions on Dependable and Secure Computing*, PP, 99, 1 - 14, <http://doi.org/10.1109/TDSC.2016.2550459>. (Advance Online, Peer-Reviewed)
5. "Efficient Privacy-Preserving Outsourced Computation over Public Data", by LIU, Ximeng; QIN, Baodong; DENG, Robert; LI, Yingjiu, 12/2015, *IEEE Transactions on Services Computing*, <http://doi.org/10.1109/TSC.2015.2511008>. (Advance Online, Peer-Reviewed)
6. "A secure, usable, and transparent middleware for permission managers on Android", by WANG, Daibin; YAO, Haixia; LI, Yingjiu; JIN, Hai; ZOU, Deqing; DENG, Robert, 09/2015, *IEEE Transactions on Dependable and Secure Computing*, <http://doi.org/10.1109/TDSC.2015.2479613>. (Advance Online, Peer-Reviewed)
7. "Universally composable RFID mutual authentication", by SU, Chunhua; SANTOSO, Bagus; LI, Yingjiu; DENG, Robert; HUANG, Xinyi, 05/2015, *IEEE Transactions on Dependable and Secure Computing*, PP, 99, 1 - 12, <http://doi.org/10.1109/TDSC.2015.2434376>. (Advance Online, Peer-Reviewed)
8. "Privacy Leakage Analysis in Online Social Networks", by LI, Yan; LI Yingjiu; YAN, Qiang; DENG, Robert H., 03/2015, *Computers and Security*, 49, 239 - 254, <http://dx.doi.org/10.1016/j.cose.2014.10.012>. (Published, Peer-Reviewed)
9. "Leakage-resilient Password Entry: Challenges, Design, and Evaluation", by YAN, Qiang; HAN, Jin; LI, Yingjiu; ZHOU, Jianying; DENG, Robert H., 02/2015, *Computers and Security*, 48, 196 - 211, <http://dx.doi.org/10.1016/j.cose.2014.10.008>. (Published, Peer-Reviewed)
10. "Statistical Database Auditing Without Query Denial Threat", by LU, Haibing; VAIDYA, Jaideep; ATLURI, Vijay; LI, Yingjiu, 09/2014, *INFORMS Journal on Computing*, 27, 1, 20 - 34, <http://dx.doi.org/10.1287/ijoc.2014.0607>. (Published, Peer-Reviewed)
11. "A Novel RFID Tag Identification Protocol: Adaptive n-Resolution and k-Collision Arbitration", by YEH, Kuo-Hui; LO, Nai-Wei; TSAI, Kuo-Yu; LI, Yingjiu; WINATA, Enrico, 08/2014, *Wireless Personal Communications*, 77, 3, 1775 - 1800, <http://dx.doi.org/10.1007/s11277-014-1608-3>. (Published, Peer-Reviewed)
12. "Permission Based Android Security: Issues and Countermeasures", by FANG, Zheran; HAN, Weili; LI, Yingjiu, 06/2014, *Computers and Security*, 43, 205 - 218, <http://dx.doi.org/10.1016/j.cose.2014.02.007>. (Published, Peer-Reviewed)
13. "Towards Semantically Secure Outsourcing of Association Rule Mining on Categorical Data", by LAI, Junzuo; LI, Yingjiu; DENG, Robert H.; WENG, Jian; GUAN, Chaowen; YAN, Qiang, 05/2014, *Information Sciences*, 267, 267 - 286, <http://dx.doi.org/10.1016/j.ins.2014.01.040>. (Published, Peer-Reviewed)
14. "Risk balance defense approach against intrusions for network server", by MU, Chengpo; YU, Meng; LI, Yingjiu; Zang, Wanyu, 06/2013, *International Journal of Information Security*, 13, 3, 255 - 269, <http://dx.doi.org/10.1007/s10207-013-0214-9>. (Published, Peer-Reviewed)
15. "A Secure Platform for Information Sharing in EPCglobal Network", by Shi, Jie; LI, Yingjiu; DENG, Robert H.; He, Wei; LEE, Eng Wah, 01/2013, *International Journal of RFID Security and Cryptography*, 2, 1/4, 107 - 118. (Published, Peer-Reviewed)
16. "New Findings on RFID Authentication Schemes against De-synchronization Attack", by YEH, Kuo-Hui; LO, Nai-Wei; LI, Yingjiu; CHEN, Yung-Chun; WU, Tzong-Chen, 07/2012, *International Journal of Innovative Computing, Information and Control*, 7, 7A, 4431 - 4449,

<http://www.ijcic.org/ijcic-11-03059.pdf>. (Published, Peer-Reviewed)

17. "Evaluation of Different Electronic Product Code Discovery Service Models", by KYWE, Su Mon; SHI, Jie; LI, Yingjiu; Kailash, Raghuwanshi, 04/2012, *Advances in Internet of Things*, 2, 2, 37 - 46, <http://dx.doi.org/10.4236/ait.2012.22005>. (Published, Peer-Reviewed)
18. "Anti-Tracking in RFID Discovery Service for Dynamic Supply Chain Systems", by YAN, Qiang; LI, Yingjiu; DENG, Robert H., 01/2012, *International Journal of RFID Security and Cryptography*, 1, 1, 25 - 35, http://infonomics-society.org/IJRFIDSC/IJRFIDSC_Paper%204.pdf. (Published, Peer-Reviewed)
19. "SecTTS: A Secure Track and Trace System for RFID-Enabled Supply Chains", by Shi, Jie; LI, Yingjiu; He, Wei; Sim, Darren, 01/2012, *Computers in Industry*, 63, 6, 574 - 585, <http://dx.doi.org/10.1016/j.compind.2012.03.006>. (Published, Peer-Reviewed)
20. "A Survey on Privacy Frameworks for RFID Authentication", by Su, Chunhua; LI, Yingjiu; ZHAO, Yunlei; DENG, Robert H.; ZHAO, Yiming; ZHOU, Jianying, 01/2012, *IEICE Transactions on Information and Systems*, E95-D, 1, 2 - 11, <http://dx.doi.org/10.1587/transinf.E95.D.2>. (Published, Peer-Reviewed)
21. "A secure and efficient discovery service system in EPCglobal network", by Shi, Jie; LI, Yingjiu; DENG, Robert H., 01/2012, *Computers and Security*, 31, 8, 870 - 885, <http://www.sciencedirect.com/science/article/pii/S016740481200123X>. (Published, Peer-Reviewed)
22. "Adaptive Collision Resolution for Efficient RFID Tag Identification", by CHEN, Yung-Chun; Yeh, Kuo-Hui; LO, Nai-Wei; LI, Yingjiu; WINATA, Enrico, 10/2011, *EURASIP Journal on Wireless Communications and Networking*, 2011, 1, <http://dx.doi.org/10.1186/1687-1499-2011-139>. (Published, Peer-Reviewed)
23. "Cryptanalysis of Hsiang-Shih's Authentication Scheme for Multi-Server Architecture", by YEH, Kuo-Hui; LO, Nai-Wei; LI, Yingjiu, 07/2011, *International Journal of Communication Systems*, 24, 7, 829 - 836, <http://dx.doi.org/10.1002/dac.1184>. (Published, Peer-Reviewed)
24. "Privacy Risk Assessment with Bounds Deduced from Bounds", by LI, Yingjiu; LU, Haibing, 01/2011, *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, 19, 4, 685 - 715, <http://dx.doi.org/10.1142/S0218488511007180>. (Published, Peer-Reviewed)
25. "A zero-knowledge based framework for RFID privacy", by DENG, Robert H.; LI, Yingjiu; Yung, Moti; ZHAO, Yunlei, 01/2011, *Journal of Computer Security*, 19, 6, 1109 - 1146, <http://dx.doi.org/10.3233/JCS-2011-0440>. (Published, Peer-Reviewed)
26. "On two RFID privacy notions and their relations", by LI, Yingjiu; DENG, Robert H.; Lai, Junzuo; MA, Changshe, 01/2011, *ACM Transactions on Information and System Security*, 14, 4, 1 - 30, <http://dx.doi.org/10.1145/2043628.2043631>. (Published, Peer-Reviewed)
27. "Efficient discrete logarithm based multi-signature scheme in the plain public key model", by MA, Changshe; Weng, Jian; LI, Yingjiu; DENG, Robert H., 02/2010, *Designs, Codes and Cryptography*, 54, 2, 121 - 133, <http://dx.doi.org/10.1007/s10623-009-9313-z>. (Published, Peer-Reviewed)
28. "On the Potential of Limitation-oriented Malware Detection and Prevention Techniques on Mobile Phones", by YAN, Qiang; DENG, Robert H.; LI, Yingjiu; LI, Tieyan, 01/2010, *International Journal of Security and Its Applications*, 4, 1, 21 - 30, http://www.sersc.org/journals/IJSIA/vol4_no1_2010/3.pdf. (Published, Peer-Reviewed)
29. "An Intrusion Response Decision-Making Model Based on Hierarchical Task Network Planning", by Mu, Chengpo; LI, Yingjiu, 01/2010, *Expert Systems with Applications*, 37, 3, 2465 - 2472, <http://dx.doi.org/10.1016/j.eswa.2009.07.079>. (Published, Peer-Reviewed)

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31. "Two Robust Remote User Authentication Protocols Using Smart Cards", by Yeh, Kuo-Hui; Su, Chunhua; LO, Nai-Wei; LI, Yingjiu; Hung, Yi-Xiang, 01/2010, *Journal of Systems and Software*, 83, 12, 2556 - 2565, <http://dx.doi.org/10.1016/j.jss.2010.07.062>. (Published, Peer-Reviewed)
32. "Information Technology Diffusion with Influentials, Imitators, and Opponents: Model and Preliminary Evidence", by Cavusoglu, Hasan; Hu, Nan; LI, Yingjiu; MA, Dan, 01/2010, *Journal of Management Information Systems*, 27, 2, 305 - 334, <http://dx.doi.org/10.2753/MIS0742-1222270210>. (Published, Peer-Reviewed)
33. "Achieving high security and efficiency in RFID-tagged supply chains", by CAI, Shaoying; LI, Yingjiu; LI, Tieyan; DENG, Robert H.; Yao, Haixia, 01/2010, *International Journal of Applied Cryptography*, 2, 2, 3 - 12, <http://dx.doi.org/10.1504/IJACT.2010.033794>. (Published, Peer-Reviewed)
34. "Certificate Revocation Release Policies", by Hu, Nan; Tayi, Giri Kumar; MA, Chengyu; LI, Yingjiu, 03/2009, *Journal of Computer Security*, 17, 2, 127 - 157, <http://dx.doi.org/10.3233/JCS-2009-0330>. (Published, Peer-Reviewed)
35. "Wake up or Fall Asleep -- Value Implication of Trusted Computing", by Hu, Nan; Huang, Jianhui; LIU, Ling; LI, Yingjiu; MA, Dan, 01/2009, *Information Technology and Management*, 10, 4, 177 - 192, <http://dx.doi.org/10.1007/s10799-009-0060-7>. (Published, Peer-Reviewed)
36. "Multistage Off-line Permutation Packet Routing on a Mesh: an Approach with Elementary Mathematics", by Chiew, Kevin; LI, Yingjiu, 01/2009, *Journal of Computer Science and Technology*, 24, 1, 175 - 180, <http://dx.doi.org/10.1007/s11390-009-9203-x>. (Published, Peer-Reviewed)
37. "Determining Error Bounds for Spectral Filtering Based Reconstruction Methods in Privacy Preserving Data Mining", by GUO, Songtao; Wu, Xintao; LI, Yingjiu, 11/2008, *Knowledge and Information Systems*, 17, 2, 217 - 240, <http://dx.doi.org/10.1007/s10115-008-0123-9>. (Published, Peer-Reviewed)
38. "A Multiple Bits Watermark for Relational Data", by LI, Yingjiu; GUO, Huiping; WANG, Shuhong, 01/2008, *Journal of Database Management*, 19, 3, 1 - 21, <http://dx.doi.org/10.4018/jdm.2008070101>. (Published, Peer-Reviewed)
39. "Protecting business intelligence and customer privacy while outsourcing data mining tasks", by QIU, Ling; LI, Yingjiu; Wu, Xintao, 01/2008, *Knowledge and Information Systems*, 17, 1, 99 - 120, <http://dx.doi.org/10.1007/s10115-007-0113-3>. (Published, Peer-Reviewed)
40. "Parity-Based Inference Control for Multi-Dimensional Range Sum Queries", by WANG, Lingyu; LI, Yingjiu; Jajodia, Sushil; Wijesekera, Duminda, 06/2007, *Journal of Computer Security*, 15, 4, 417 - 445, <http://dl.acm.org/citation.cfm?id=1370675>. (Published, Peer-Reviewed)
41. "Preserving Privacy in Association Rule Mining with Bloom Filters", by QIU, Ling; LI, Yingjiu; Wu, Xintao, 01/2007, *Journal of Intelligent Information Systems*, 29, 3, 253 - 278, <http://dx.doi.org/10.1007/s10844-006-0018-8>. (Published, Peer-Reviewed)
42. "Chaining Watermarks for Detecting Malicious Modifications to Streaming Data", by GUO, Huiping; LI, Yingjiu; Jajodia, Sushil, 01/2007, *Information Sciences*, 177, 1, 281 - 298, <http://dx.doi.org/10.1016/j.ins.2006.03.014>. (Published, Peer-Reviewed)
43. "Looking into the Seeds of Time: Discovering Temporal Patterns in Large Transaction Sets", by LI, Yingjiu; ZHU, Sencun; WANG, X. Sean; Jajodia, Sushil, 01/2006, *Information Sciences*, 176, 8, 1003 - 1031, <http://dx.doi.org/10.1016/j.ins.2005.01.019>. (Published, Peer-Reviewed)

44. "A Fragile Watermarking Scheme for Detecting Malicious Modifications of Database Relations", by GUO, Huiping; LI, Yingjiu; LIU, Anyi; Jajodia, Sushil, 01/2006, *Information Sciences*, 176, 10, 1350 - 1378, <http://dx.doi.org/10.1016/j.ins.2005.06.003>. (Published, Peer-Reviewed)
45. "Fingerprinting Relational Databases: Schemes and Specialities", by LI, Yingjiu; Swarup, Vipin; Jajodia, Sushil, 03/2005, *IEEE Transactions on Dependable and Secure Computing*, 2, 1, 34 - 45, <http://dx.doi.org/10.1109/TDSC.2005.12>. (Published, Peer-Reviewed)
46. "Securing Credit Card Transactions with One-Time Payment Scheme", by LI, Yingjiu; ZHANG, Xinwen, 01/2005, *Electronic Commerce Research and Applications*, 4, 4, 413 - 426, <http://dx.doi.org/10.1016/j.elerap.2005.06.002>. (Published, Peer-Reviewed)
47. "Discovering Calendar-Based Temporal Association Rules", by LI, Yingjiu; Ning, Peng; WANG, X. Sean; Jajodia, Sushil, 01/2003, *Data and Knowledge Engineering*, 44, 2, 193 - 218, [http://dx.doi.org/10.1016/s0169-023x\(02\)00135-0](http://dx.doi.org/10.1016/s0169-023x(02)00135-0). (Published, Peer-Reviewed)
48. "Enhancing Profiles for Anomaly Detection Using Time Granularities", by LI, Yingjiu; Wu, Ningning; WANG, X. Sean; Jajodia, Sushil, 01/2002, *Journal of Computer Security*, 10, 1/2, 137 - 157, <http://dl.acm.org/citation.cfm?id=597917.597923>. (Published, Peer-Reviewed)
49. "Algorithm of Data Processing of Ballistic Range Experiment", by Zeng, Shilun; LI, Yingjiu; Yi, Wenjun, 01/1998, *Progress in Natural Science*, 8, 2, 214 - 219. (Published, Peer-Reviewed)

Conference Proceedings Article

1. "Attacking Android Smartphone Systems without Permissions", by KYWE, Su Mon; LI, Yingjiu; PETAL, Kunal; GRACE, Michael, 12/2016, *Proceedings of the 14th Annual Conference on Privacy, Security and Trust (PST)*, Auckland, New Zealand. (Published, Peer-Reviewed)
2. "Efficient Tag Path Authentication Protocol with Less Tag Memory", by WANG, Hongbing; LI, Yingjiu; ZHANG, Zongyang; ZHAO, Yunlei, 11/2016, *Proceedings of the 12th International Conference on Information Security Practice and Experience (ISPEC)*, Zhangjiajie, China: Springer, http://doi.org/10.1007/978-3-319-49151-6_18. (Published, Peer-Reviewed)
3. "Dissecting developer policy violating apps: Characterization and detection", by KYWE, Su Mon; LI, Yingjiu; HONG, Jason; CHENG, Yao, 10/2016, *Proceedings of the 11th IEEE International Conference on Malicious and Unwanted Software (Malcon): October 18-21, Fajardo, Puerto Rico*, Fajardo, Puerto Rico: IEEE. (Published, Peer-Reviewed)
4. "Attribute-Based Encryption with Granular Revocation", by CUI, Hui; DENG, Robert; DING, Xuhua; LI, Yingjiu, 10/2016, *Proceedings of the 12th EAI International Conference on Security and Privacy in Communication Networks (SecureComm)*, Guangzhou, China. (Published, Peer-Reviewed)
5. "Server-aided revocable attribute-based encryption", by CUI, Hui; DENG, Robert H.; LI, Yingjiu; QIN, Baodong, 09/2016, *Proceedings of the 21st European Symposium on Research in Computer Security (ESORICS 2016)*, 570 - 587, Heraklion, Greece: Springer, http://doi.org/10.1007/978-3-319-45741-3_29. (Published, Peer-Reviewed)
6. "A Feasible No-Root Approach on Android", by CHENG, Yao; LI, Yingjiu; DENG, Robert, 07/2016, *Proceedings of the 21st Australasian Conference on Information Security and Privacy (ACISP)*, 481 - 489, Melbourne, Australia: Springer, http://doi.org/10.1007/978-3-319-40367-0_32. (Published, Peer-Reviewed)
7. "Seeing your Face is not Enough: An Inertial Sensor-based Liveness Detection for Face Authentication", by LI, Yan; LI, Yingjiu; YAN, Qiang; KONG, Hancong; DENG, Robert H., 10/2015, *CCS 15: Proceedings of the 22nd ACM SIGSAC Conference on Computer and Communications Security, October 12-16, Denver*, 1558 - 1569, New York: ACM, <http://dx.doi.org/10.1145/2810103.2813612>. (Published, Peer-Reviewed)

8. "Server-aided Revocable Identity-based Encryption", by QIN, Baodong; DENG, Robert H.; LI, Yingjiu; LIU, Shengli, 09/2015, *Computer Security – ESORICS 2015: 20th European Symposium on Research in Computer Security, Vienna, Austria, September 21-25, 2015, Proceedings, Part I*, 286 - 304, Vienna, Austria: Springer, http://dx.doi.org/10.1007/978-3-319-24174-6_15. (Published, Peer-Reviewed)
9. "CICC: A Fine-grained, Semantic-aware, and Transparent Approach to Preventing Permission Leaks for Android Permission Managers", by WANG, Daibin; YAO, Haixia; LI, Yingjiu; JIN, Hai; ZOU, Deqing; DENG, Robert H., 06/2015, *WiSec '15: Proceedings of the 8th ACM Conference on Security and Privacy in Wireless and Mobile Networks, June 22-26, 2015, New York, 1 - 6*, New York: ACM, <http://dx.doi.org/10.1145/2766498.2766518>. (Published, Peer-Reviewed)
10. "Detecting Camouflaged Applications on Mobile Application Markets", by SU, Mon Kywe; LI, Yingjiu; DENG, Robert H.; HONG, Jason, 12/2014, *Information Security and Cryptology ICISC 2014: 17th International Conference, Seoul, South Korea, December 3-5, 2014, Revised Selected Papers*, 241 - 254, Cham: Springer Verlag, http://dx.doi.org/10.1007/978-3-319-15943-0_15. (Published, Peer-Reviewed)
11. "Authorized Keyword Search on Encrypted Data", by SHI, Jie; LAI, Junzuo; LI, Yingjiu; DENG, H. Robert; WENG, Jian, 09/2014, *Computer Security - ESORICS 2014: 19th European Symposium on Research in Computer Security, Wroclaw, Poland, September 7-11, 2014: Proceedings, Part I*, 419 - 435, Cham: Springer Verlag, http://dx.doi.org/10.1007/978-3-319-11203-9_24. (Published, Peer-Reviewed)
12. "AnonEPC - Making the Querying User Anonymous in EPCglobal Network", by Torvekar, Gaurang; LI, Yingjiu, 09/2014, *2014 IEEE RFID Technology and Applications Conference (RFID-TA): 8-9 September 2014, Tampere, Finland: Proceedings*, 289 - 294, Piscataway, NJ: IEEE, <http://dx.doi.org/10.1109/RFID-TA.2014.6934244>. (Published, Peer-Reviewed)
13. "Fully Secure Key-policy Attribute-based Encryption with Constant-size Ciphertexts and Fast Decryption", by LAI, Junzuo; DENG, H. Robert; LI, Yingjiu; WENG, Jian, 06/2014, *ASIA CCS'14: Proceedings of the 9th ACM Symposium on Information, Computer and Communications Security: June 4-6, 2014, Kyoto, Japan*, 239 - 248, New York: ACM, <http://dx.doi.org/10.1145/2590296.2590334>. (Published, Peer-Reviewed)
14. "Understanding OSN-based Facial Disclosure against Face Authentication Systems", by LI, Yan; XU, Ke; YAN, Qiang; LI, Yingjiu; DENG, Robert H., 06/2014, *ASIA CCS '14: Proceedings of the 9th ACM Symposium on Information, Computer and Communications Security, June 4-6, 2014, Kyoto*, 413 - 424, New York: ACM, <http://dx.doi.org/10.1145/2590296.2590315>. (Published, Peer-Reviewed)
15. "Batch Clone Detection for RFID-enabled Supply Chain", by SHI, Jie; KYWE, Su Mon; LI, Yingjiu, 04/2014, *IEEE RFID 2014: IEEE International Conference on RFID: April 8-10, 2014, Orlando, Florida: Proceedings*, 118 - 125, Piscataway, NJ: IEEE, <http://dx.doi.org/10.1109/RFID.2014.6810721>. (Published, Peer-Reviewed)
16. "Attack and Defense Mechanisms of Malicious EPC Event Injection in EPC Discovery Service", by Su, Mon Kywe; LI, Yingjiu; Shi, Jie, 09/2013, *2013 IEEE International Conference on RFID Technologies and Applications (RFID-TA), 4-5 September 2013, Johor Bahru: Proceedings*, 1 - 6, Piscataway, NJ: IEEE, <http://dx.doi.org/10.1109/RFID-TA.2013.6694532>. (Published, Peer-Reviewed)
17. "Launching Generic Attacks on iOS with Approved Third-party Applications", by HAN, Jin; SU, Mon Kywe; YAN, Qiang; BAO, Feng; DENG, Robert H.; GAO, Debin; LI, Yingjiu; ZHOU, Jianying, 06/2013, *Applied Cryptography and Network Security: 11th International Conference, ACNS 2013, Banff, AB, Canada, June 25-28, 2013: Proceedings*, 272 - 289, Berlin: Springer Verlag, http://dx.doi.org/10.1007/978-3-642-38980-1_17. (Published, Peer-Reviewed)

18. "Think Twice before you Share: Analyzing Privacy Leakage under Privacy Control in Online Social Networks", by LI, YAN; LI, Yingjiu; YAN, Qiang; DENG, Robert H., 06/2013, *Proceedings of NSS: Network and System Security: NSS 2013, Madrid, Spain, June 3-4: Proceedings*, 671 - 677, Berlin: Springer Verlag, http://dx.doi.org/10.1007/978-3-642-38631-2_55. (Published, Peer-Reviewed)
19. "Anonymous authentication of visitors for mobile crowd sensing at amusement parks", by KONIDALA, Divyan; DENG, Robert H.; LI, Yingjiu; LAU, Hoong Chuin; FIENBERG, Stephen, 05/2013, *Information Security Practice and Experience: 9th International Conference, ISPEC 2013, Lanzhou, China, May 12-14: Proceedings*, 174 - 188, Cham: Springer Verlag, http://doi.org/10.1007/978-3-642-38033-4_13. (Published, Peer-Reviewed)
20. "Designing Leakage-resilient Password Entry on Touchscreen Mobile Devices", by YAN, Qiang; Han, JIN; LI, Yingjiu; ZHOU, Jianying; DENG, Robert H., 05/2013, *ASIA CCS '13: Proceedings of the 8th ACM SIGSAC symposium on Information, Computer and Communications Security: May 8-10, 2013, Hangzhou, China*, 37 - 48, New York: ACM, <http://dx.doi.org/10.1145/2484313.2484318>. (Published, Peer-Reviewed)
21. "Expressive Search on Encrypted Data", by LAI, Junzuo; ZHOU, Xuhua; DENG, Robert H.; LI, Yingjiu; CHEN, Kefei, 05/2013, *ASIA CCS '13 Proceedings of the 8th ACM SIGSAC Symposium on Information, Computer and Communications Security: May 8-10, 2013, Hangzhou, China*, 243 - 252, New York: ACM, <http://dx.doi.org/10.1145/2484313.2484345>. (Published, Peer-Reviewed)
22. "Design and Implementation of a Secure Prototype for EPCglobal Network Services", by SHI, Jie; LI, Yingjiu; DENG, Robert H.; CHIEW, Kevin, 11/2012, *Radio Frequency Identification System Security: RFIDsec'12 Asia Workshop Proceedings: Taipei, Taiwan, November 8-9, 2012*, 45 - 56, Amsterdam: IOS Press, <http://dx.doi.org/10.3233/978-1-61499-143-4-45>. (Published, Peer-Reviewed)
23. "A new framework for privacy of RFID path authentication", by CAI, Shaoying; DENG, Robert H.; LI, Yingjiu; ZHAO, Yunlei, 06/2012, *Applied Cryptography and Network Security: 10th International Conference, ACNS 2012, Singapore, June 26-29: Proceedings*, 473 - 488, Berlin: Springer Verlag, http://dx.doi.org/10.1007/978-3-642-31284-7_28. (Published, Peer-Reviewed)
24. "Distributed Path Authentication for Dynamic RFID-Enabled Supply Chains", by CAI, Shaoying; LI, Yingjiu; ZHAO, Yunlei, 06/2012, *Information Security and Privacy Research: 27th IFIP TC 11 Information Security and Privacy Conference, SEC 2012, Heraklion, Crete, Greece, June 4-6: Proceedings*, 501 - 512, Berlin ; New York : Springer: Springer Verlag, http://dx.doi.org/10.1007/978-3-642-30436-1_41. (Published, Peer-Reviewed)
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2. "Malware protection on RFID-enabled supply chain management systems in the EPCglobal network", by YAN, Qiang; LI, Yingjiu; DENG, Robert H., 01/2013, In Miri, Ali, *Advanced Security*

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2. "RFID Security and Privacy", by LI, Yingjiu; DENG, Robert H.; Bertino, Elisa, 12/2013, San Rafael, CA: Morgan & Claypool Publishers, <http://www.morganclaypool.com/doi/abs/10.2200/S00550ED1V01Y201311SPT007>. (Published)

Patents

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2. (Application / Filed): Ke Xu, Yingjiu Li, Robert H. Deng: ICC-based Malware Detection Method on Android Platform. Singapore patent application number 10201504543V.2015
3. (Application / Filed): Yingjiu Li: Method for Leakage Resilient Password Entry. Singapore patent 10201405977P. 2014
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5. (Granted): Sushil Jajodia, Huiping Guo, and Yingjiu LI: Method and Apparatus for Watermarking Stream Data. US patent 20060277410. 2006
6. (Granted): Sushil Jajodia, Huiping Guo, and Yingjiu LI: Fragile Watermarks. US Patent 20060095775. 2006

Grants

1. Robert Deng (PI), Yingjiu Li (Co-PI): COMMANDO-HUMANS: COMputational Modelling and Automatic Non-intrusive Detection Of HUMAN behAviour based iNSecurity, Singapore National Research Foundation (NRF), 1 April 2016 - 30 April 2018
2. Yingjiu Li (PI): Advanced System-Level Vulnerability Discovery and Defense on Android, Huawei Technologies Co. Ltd., 15 June 2015 - 14 June 2016
3. Yingjiu Li (Co-PI): Secure Mobile Centre, Singapore National Research Foundation (NRF), NCR Award Number NRF2014NCR-NCR001-012., 15 February 2015 - 31 January 2019
4. Secure Permission Control on Android Techniques, Huawei Technologies Co. Ltd., December 2013 - December 2014

5. Secure and Usable Face Authentication for Smartphones, Office of Research, Singapore Management University, March 2014 - November 2014
6. Privacy Preserving Techniques for Accessing Network Services, Office of Research, Singapore Management University, March 2012 - February 2013
7. Flexible and efficient access control in collaborative environment, Office of Research, Singapore Management University, March 2011 - October 2011
8. A Security Framework for EPCglobal Network, Public Sector Funding (PSF), A-STAR SERC, August 2008 - January 2012
9. The Use of Mobile Devices in RFID-Based Supply Chain Management, Nokia Beijing Collaboration Project, 1 September 2009 - 1 September 2010
10. On the Safety of Next Generation of Access Control, Office of Research, Singapore Management University, October 2004 - October 2005
11. Techniques against Database Piracy, Wharton-SMU Research Center, Singapore Management University, November 2003 - October 2004

Memberships in Professional Organizations

1. Senior Member, ACM, ACM, 2009 - Now
2. Member, ACM Special Interest Group on Security, Audit and Control (ACM SIGSAC), ACM, 2009 - Now
3. Member, IFIP Working Group on Data and Application Security in the International Federation for Information Processing (IFIP WG 11.3), IFIP, 2008 - Now
4. Member, IEEE Computer Society, IEEE , 2006 - Now

Editorial Boards

1. Member, Editorial Board, International Journal of RFID Security and Cryptography (IJRFIDSC), 2011 - Now
2. Member, Editorial Board, Journal of Database Management (JDM), 2004 - Now

Editorial Duties

1. Guest editor, Journal of Computer Security (JCS) special issue on Data and Applications Security and Privacy, 2011
2. Guest editor, Journal of Computer Security (JCS) special issue on RFID System Security, 2010
3. Guest editor, IEICE Transactions on Information and Systems, 2009
4. Journal reviewer, TISSEC, JCS, TKDE, TOIS, TIFS, ACM Computing Surveys, VLDB Journal, Management Science, KAIS, JIIS, IJCIS, Information Sciences, SCN, ECRA, Information Systems Frontiers, IEICE Transactions, IET Information Security, Algorithmica, Computers in Industry, IEEE Systems Journal, 2003 - Now

Committees

1. Member, University Tribunal, SMU, 2012 - Now
2. Member, Faculty Senate, SMU, 2011 - Now
3. Faculty Panel Member, Faculty Grievance Commission, SMU, 2011 - Now
4. Member, School Evaluation Committee (SEC), SMU, 2010 - 2011
5. Member and Chair, Reading Evaluation Committee (REC), SMU, 2011 - 2012
6. Member, Digital Library Committee, SMU, 2006 - 2007
7. Member, SIS Undergraduate Scholarship Allocation Committee, SMU, 2006 - 2007
8. Member, Steering Committee, iConference 2013 Special Workshop on Information Privacy, February 2013 - February 2013
9. Member, Steering Committee, Workshop on RFID Security (RFIDsec), 2009 - Now
10. Member, Steering Committee, Workshop on RFID and IoT Security (RFIDsec Asia), 2009 - Now
11. Tutorial Co-Chair, Organization Committee, the 21st ACM Conference on Computer and Communications Security (CCS), 2014 - 2014
12. Program Co-Chair, Program Committee, 2014 Workshop on RFID Security (RFIDsec'14 Asia), 2014 - 2014
13. General Co-Chair, Organization Committee, the 2013 Workshop on RFID and IoT Security (RFIDsec Asia), 2013 - 2013
14. Publicity Co-Chair, Organization Committee, the IEEE Conference on Communications and Network Security (IEEE-CNS), 2013 - 2013
15. Co-Chair, Program Committee, Workshop on RFID and IOT Security (RFIDsec'12 Asia), 2012 - 2012
16. Chair, Program Committee, Annual IFIP WG 11.3 Working Conference on Data and Applications Security (DBSec), 2011 - 2011
17. Co-Chair, Program Committee, Workshop on RFID Security (RFIDsec'10 Asia), 2010 - 2010
18. Co-Chair, Program Committee for Research Track of Privacy, Security and Trust, 8th International Conference on Electronic Commerce (ICEC), 2006 - 2006
19. Publicity Co-Chair, Organizing Committee, IEEE Conference on Communications and Network Security (IEEE-CNS), 2013 - 2013
20. Publicity and Publication Chair, Organizing Committee, ACM Symposium on InformAtion, Computer and Communication Security (ASIACCS), 2007 - 2007
21. Session Chair, Organizing Committee, 10th International Conference on Applied Cryptography and Network Security (ACNS '12), 2012
22. Session Chair, Organizing Committee, 6th International ICST Conference on Security and Privacy in Communication Networks (SecureComm), 2010

23. Session Chair, Organizing Committee, 24th Annual IFIP WG 11.3 Working Conference on Data and Applications Security and Privacy (DBSEC), 2010
24. Session Chair, Organizing Committee, 5th Information Security Practice and Experience Conference (ISPEC), 2009
25. Session Chair, Organizing Committee, 22nd Annual IFIP WG 11.3 Working Conference on Data and Applications Security (DBSec), 2008
26. Session Chair, Organizing Committee, 4th International Conference on Applied Cryptography and Network Security (ACNS), 2006
27. Session Chair, Organizing Committee, 1st Information Security Practice and Experience Conference (ISPEC), 2005
28. Session Chair, Organizing Committee, 4th International Workshop for Applied PKI (IWAP), 2005

Conference Program Committee and Advisory Services

1. Member, Program Committee, IEEE Symposium on Security and Privacy (Oakland), 2007, 2008, 2014
2. Member, Program Committee, ACM Conference on Computer and Communications Security (CCS), 2013
3. Member, Program Committee, European Symposium on Research in Computer Security (ESORICS), 2008, 2013, 2015
4. Member, Program Committee, ACM Symposium on InformAtion, Computer and Communication Security (ASIACCS), 2006, 2007, 2009, 2010, 2011, 2013, 2014, 2015
5. Member, Program Committee, International Conference on Distributed Computing Systems (ICDCS), 2014
6. Member, Program Committee, International Conference on Security and Privacy in Communication Networks (SecureComm), 2010
7. Member, Program Committee, International Conference on Applied Cryptography and Network Security (ACNS), 2010, 2013
8. Member, Program Committee, Annual IFIP WG 11.3 Working Conference on Data and Applications Security (DBSec), 2010, 2012, 2013
9. Member, Program Committee, International Conference on Information Security and Cryptology (ICISC), 2005, 2006, 2007, 2008, 2009, 2010
10. Member, Program Committee, International Conference on Information and Communications Security (ICICS), 2006, 2007, 2008, 2009, 2010, 2011
11. Member, Program Committee, International Conference on Information Systems Security (ICISS), 2005, 2006, 2011
12. Member, Program Committee, International Conference on Information Security Practice and Experience (ISPEC), 2010, 2011, 2013
13. Member, Program Committee, Information Security Conference (ISC), 2011
14. Member, Program Committee, China International Conference on Information Security and Cryptology (Inscrypt), 2008, 2012

15. Member, Program Committee, IEEE Conference on Communications and Network Security (IEEE-CNS), 2013
16. Member, Program Committee, IEEE International Conference on Privacy, Security, Risk, Trust (PASSAT), 2010, 2011, 2012
17. Member, Program Committee, IEEE International Conference on Secure Software Integration and Reliability Improvement (SSIRI), 2010
18. Member, Program Committee, International Symposium on Engineering Secure Software and Systems (ESSoS), 2010
19. Member, Program Committee, International Symposium on Cyberspace Safety and Security (CSS), 2012
20. Member, Program Committee, International Conference on Network and System Security (NSS), 2011, 2012
21. Member, Program Committee, International Conference on Security and Cryptography (SECRYPT), 2007, 2008, 2009
22. Member, Program Committee, IFIP International Conference on New Technologies, Mobility and Security (NTMS), Security Track, 2012
23. Member, Program Committee, IEEE International Conference on Cloud Computing Technology Science (CloudCom), 2012
24. Member, Program Committee, Workshop on Privacy in Electronic Society (WPES), 2007, 2011
25. Member, Program Committee, Workshop on RFID Security (RFIDSec), 2013
26. Member, Program Committee, Workshop on RFID Security (RFIDsec 2009 Asia), 2009
27. Member, Program Committee, Workshop of Information Security Applications (WISA), 2011
28. Member, Program Committee, IEEE International Workshop on Security, Trust, and Privacy for Software Applications (STPSA), 2011
29. Member, Program Committee, International Workshop on RFID Security and Cryptography (RISC), 2009
30. Member, Program Committee, IEEE-AESS Conference in Europe about Space and Satellite Communications (ESTEL), Security and Privacy Special Track, 2012
31. Member, Program Committee, International Conference on Internet Technology and Secured Transactions (ICITST), 2011
32. Member, Program Committee, The Society for Design and Process Science (SDPS), Special Track on Secure Collaboration in Global Design and Supply Chain Management, 2011
33. Member, Program Committee, International Symposium on Data, Privacy, and E-Commerce (ISDPE), 2010
34. Member, Program Committee, International Conference on Security Technology (SecTech), 2009
35. Member, Program Committee, International Workshop on Security, Privacy and Trust of Computer and Cyber-Physical Networks (SecureCPN), 2009

36. Member, Program Committee, International Workshop on Security of Computer Communications and Networks (SoCCaN), 2008
37. Member, Program Committee, International Symposium of Information Systems (ISIS), 2006, 2007
38. Member, Program Committee, International Conference on Electronic Commerce (ICEC), 2006
39. Member, Program Committee, IFIP TC-11 WG 11.1 & WG 11.5 Joint Working Conference on Security Management, Integrity, and Internal Control in Information Systems, 2005
40. Member, Program Committee, International Workshop for Applied PKI (IWAP), 2005

Invited Talks

1. RFID security and privacy at both physical and system levels, at Internet of Things -Global Standards Initiative (IoT-GSI) Meeting, International Telecommunications Union (ITU), Geneva, Switzerland., 22 August 2011 - 26 August 2011
2. EPCglobal Network Security: Research Challenges and Solutions, at RFID Security Seminar, National RFID Center, Singapore, 1 August 2008
3. Database Watermarking: A Systematic View, at Recent Advances in Information Security (RAIS) Symposium, University of Sharjah, Sharjah, UAE, 16 April 2008
4. Security and Privacy Issues in RFID-Enabled Global Supply Chains, at the 37th Annual Meeting of the Decision Sciences Institute, San Antonio, USA, 18 November 2006 - 21 November 2006
5. Tamper Detection and Localization for Categorical Data Using Fragile Watermarks, at Institute for Infocomm Research (I2R), Singapore, January 2005

Other Services

1. Co-Founder, RFID Security Lab, SIS, SMU, August 2008
2. Participant, Autonomous Universities (AU) Milestone Programme, Ministry of Education (MOE), December 10-12, 2012.
3. Demo, GovWare 2011, Ministry of Home Affairs (MHA), September 27-29, 2011.
4. Demo, RFID User Conference & Technology Exhibition, Singapore Institute of Manufacturing Technology (SIMTech), September 29, 2011.
5. Convener, SMU security policy on password update frequency, University Level Special Task Force Meeting with SMU Internal IT Group, April 1, 2008.
6. Convener, SMU policy to thwart email spams, University Level Special Task Force Meeting with SMU Internal IT Group June 29, 2006.

Courses Taught - Ph. D

1. IS 710 (752) Systems and Data Security, January 2013 - Now

Courses Taught - Undergraduate

1. IS 302 Information security and trust (core course), 2004 - Now
2. IS 480 Upper year capstone project (project supervision), 2007 - Now
3. IS 470 Guided research (course coordinator), 2011 - now
4. IS 436 Data security and privacy, 2015 - Now

Thesis Student (Ph. D)

1. Su Mon Kywe, August 2011 - Now
2. Cai Shaoying, August 2009 - June 2014
3. Li Yan, August 2009 - July 2014
4. Yan Qiang, August 2008 - July 2013

Master Student Supervision

1. Liang Bing, Thesis: Security and Performance Analysis for RFID Protocols, August 2007 - December 2010

Awards, Recognition and Honors

1. Lee Kong Chian Fellowship, SMU., 1 January 2015 - 31 December 2015
2. The Distinguished Paper Award in the 19th Network & Distributed System Security Symposium (NDSS 2012), San Diego, California, USA, 5 February 2012 - 8 February 2012
3. George Mason University Office of Technology Transfer 2010 Awards, Fairfax, Virginia, USA, 18 October 2010
4. SMU Long Service Award in Recognition of Five Years of Dedicated Service, December 2008