

LO, SWEE WON

4001, Sch. Of Information Systems, Singapore Management Univ., 80 Stamford Road, Singapore 178902.
+65 81186439
Sweewon.lo.2009@smu.edu.sg

EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY

Singapore, SG

PhD in Information Systems; Major in Information Security and Trust

August 2009- now

- Modules: Info Storage & Retrieval, Info Security, Decision Support & Optimization, Information Systems and Management, Advanced Topics in Database and Info Retrieval, Advanced Topics in Info Security, Empirical Research Projects (4)
- Current Cumulative GPA: 3.56/4.0

KYUNGPOOK NATIONAL UNIVERSITY

Daegu, KOR

Master of Engineering; Major in Information and Communication

August 2009

- Modules: Digital Image Processing, Advanced Digital Image Processing, Multimedia System-on-Chip Design, VLSI System Design, Computer Network Protocols, Internet Computing, Artificial Intelligence Applications
- Cumulative GPA: 3.94/4.3
- Thesis: Universally Composable RFID Anonymous Authentication and Key-Exchange Protocol

MULTIMEDIA UNIVERSITY (CYBERJAYA CAMPUS)

Selangor, MY

Bachelor of Engineering (Hons); Electronics majoring in Telecommunication

August 2007

- Modules: Digital Signal Processing, Optoelectronics and Optical Communications, Communication Electronics, Random Processes and Queuing Theory, Mobile and Satellite Communications, Communication Networks, Digital Communications and Telephony etc.
- Cumulative GPA: 3.55/4.0
- Thesis: Design of a Secure Online Manuscript Submission System

WORKING EXPERIENCE

SINGAPORE MANAGEMENT UNIVERSITY

Singapore, SG

Teaching assistant

- Work as a teaching assistant for undergraduate module "IS 302- Information Security & Trust" for Term 2, AY 2010-2011 and Term 2, AY 2011-2012.
- Responsible in students consultation and in assisting hands-on lab exercises such as java programming, usage of Cryptool, OpenSSL etc.

SWINBURNE UNIVERSITY OF TECHNOLOGY

Sarawak, MY

- **Industrial Training:** Information Security Research (iSECURES) Lab, Swinburne University of Technology (Sarawak campus), Malaysia. (Nov 2006:Jan 2007)

RESEARCH PROJECTS

KYUNGPOOK NATIONAL UNIVERSITY

Daegu, KOREA

- Design of Efficient Authentication and Key-Exchange Protocol based on Pairing Cryptosystem in Ad-Hoc Network (2008-09)
- Studies on Digital Watermarking
- File Transfers using TCP and UDP

MULTIMEDIA UNIVERSITY

Selangor, MY

- Design of a Low-Cost InfraRed Wireless Modem
- Design of a Can Satellite (CanSat)

PUBLICATIONS

- Robert H. Deng, Xuhua Ding and Swee-Won Lo, “Efficient Authentication and Access Control of Scalable Multimedia Streams over Packet-Lossy Networks”, Security and Communication Networks (*to appear*).
- Yifan Zhao, Swee-Won Lo, Robert H. Deng and Xuhua Ding, “Technique for Authenticating H.264/SVC and its Performance Evaluation over Wireless Mobile Networks”, Special Issue of Journal of Computer and System Sciences (*to appear*).
- Yifan Zhao, Swee-Won Lo, Robert H. Deng and Xuhua Ding, “An improve authentication scheme for H.264/SVC and its performance evaluation over non-stationary wireless mobile networks”, Proceedings of the 6th International Conference on Network and System Security, Springer, LNCS 7645, pp. 192-206, 21-23 November 2012, Fujian, China.
- Swee-Won Lo, Raphael Chung-Wei Phan, Bok-Min Goi, "On the Security of an Online Submission and Review System (WSaR) for Cryptology Conferences", Proceeding of Workshop on Information Security and Applications (WISA) 2007, LNCS 4867, Springer-Verlag, pp. 245-265, 2008.

ADDITIONAL INFORMATION

- **Skills:** (Programming/Scripting languages) C, PHP, TCL, Java; (Software): MS Office, MS Visual Studio, Ultiboard, PCB Express, PSpice, Latex, MySQL, Apache, Matlab, OpenSSL.
- **Languages:** English (TOEFL iBT 112/120), Chinese (Mandarin, Cantonese, Hokkien), Malay
- **Awards and Honors:** Korean ET Scholarship (2007:09), Dean’s list (Trim 1,2003/04; Trim 3, 2004/05; Trim 3, 2005/06), Malaysia Book of Records participant and organizer, ABRSM Top Scorer.
- **Extra-Curriculum:** Organizer of the Telekom Malaysia-Multimedia University WORLDS 2005 - an international debating championship; Director of the Samsung-Multimedia University 36 Hours Non-Stop Longest Debate - a Malaysian record-breaking event at KL Tower.
- **Hobbies:** Traveling, reading, literature, piano, badminton