

Assoc. Prof. Dr. Lau Sian Lun

Position: Associate Professor / Associate Dean / Head of Department

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Education:

Dr.-Ing. in Computer Science (Informatik), University of Kassel, Germany

M.Sc. in Electrical Communication Engineering (ECE), University of Kassel

BEng (Hons) in Electronics and Telecommunication, Universiti Malaysia Sarawak, Malaysia

Teaching:

CSC3209 Software Architecture and Design Patterns

CSC2044 Concurrent Programming

Brief Employment History:

University of Kassel: Researcher (Project management, acquisition, EU and German national research projects)

Networking Concepts GmbH: Technical Assistant (Network planning, security, IT support)

Cobion AG/ Internet Security Systems (ISS) GmbH (now IBM ISS): Technical Documentation

Research Interests:

Context-awareness, Mobile Computing, User-centric Computing, Activity Recognition, Applied Machine Learning, Mobile Learning Techniques and Tools

Selected Publications:

1. **S. L. Lau**, “Comparison of Orientation-Independent-based Movement Recognition System Using Classification Algorithms,” in Proceedings of 2013 IEEE Symposium on Wireless Technology and Applications (ISWTA), pp. 322-326, 2013.
2. Y. Xu, **S. L. Lau**, R. Kusber, and K. David, “An experimental investigation of indoor localization by Unsupervised Wi-Fi signal clustering,” in Proceedings of Future Network and Mobile Summit 2012, Berlin, Germany, pp. 1 –8, Jul. 4-6, 2012.
3. **S. L. Lau**, Towards a user-centric context aware system: empowering users through activity recognition using a smartphone as an unobtrusive device. kassel university press GmbH, Jan, 2012.
4. K. David, **S. L. Lau**, and B. N. Klein, “Social Link App - A New Communication Paradigm Empowering Mobile Users,” IEEE Vehicular Technology Magazine, Sept, 2011.
5. **S. L. Lau**, I. König, K. David, B. Parandian, C. Carius-Düssel, and M. Schultz, “Supporting patient monitoring using activity recognition with a smartphone,” in 7th International Symposium on Wireless Communication Systems (ISWCS), 2010, pp. 810 – 814, Sept. 19-22, 2010.