

Dr. Yau Kok Lim

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Education:

Ph.D in Network Engineering, Victoria University of Wellington, New Zealand

MSc in Electrical Engineering, National University of Singapore, Singapore

BEng (Hons) in Electrical and Electronics Engineering, Universiti Teknologi Petronas, Malaysia

Teaching:

NET2201 Computer Networks

MMD3105 Multimedia Networking

Research Interests:

Applied artificial intelligence, applied reinforcement learning, cognitive radio networks, wireless networks, and intelligent systems.

Selected Publications:

1. Mee Hong Ling, Kok-Lim Alvin Yau, Junaid Qadir, Geong Sen Poh, Qiang Ni, "Application of Reinforcement Learning for Security Enhancement in Cognitive Radio Networks," Elsevier Applied Soft Computing, vol. 37, pp. 809-829, 2015.
2. Yasir Saleem, Kok-Lim Alvin Yau, Hafizal Mohamad, Nordin Ramli and Mubashir Husain Rehmani, "SMART: A Spectrum-Aware Cluster-based Routing Scheme for Distributed Cognitive Radio Networks," Elsevier Computer Networks, vol. 91, pp. 196-224, 2015.

3. Junaid Qadir, Anwaar Ali, Kok-Lim Alvin Yau, Arjuna Sathiseelan, Jon Crowcroft, "Exploiting the power of multiplicity: a holistic survey of network-layer multipath", *IEEE Communications Surveys and Tutorials*, vol. 17, no. 4, pp. 2176-2213, 2015.
4. Kok-Lim Alvin Yau, Hock Guan Goh, David Chieng, Kae Hsiang Kwong, "Application of Reinforcement Learning to Wireless Sensor Networks", *Springer Computing*, vol. 97, no. 11, pp. 1045-1075, 2015.
5. HeeJeong Jasmine Lee, Kok-Lim Alvin Yau, "Addressing the Major Information Technology Challenges of Electronic Textbooks", *Taylor & Francis Journal of Computer Information Systems*, vol. 55, no. 2, pp. 40-47, 2015.
6. Kok-Lim Alvin Yau, Nordin Ramli, Wahidah Hashim, Hafizal Mohamad, "Clustering Algorithms for Cognitive Radio Networks", *Elsevier Journal of Network and Computer Applications*, vol. 45, pp. 79-95, 2014.
7. Hasan A. A. Al-Rawi, Ming Ann Ng, Kok-Lim Alvin Yau, "Application of Reinforcement Learning to Routing in Distributed Wireless Networks", *Springer Artificial Intelligence Review*, vol. 43, no. 3, pp. 381-416, 2014.
8. Mee Hong Ling, Kok-Lim Alvin Yau, Geong Sen Poh, "Trust and Reputation Management in Cognitive Radio Networks", *Wiley Security and Communication Networks*, vol. 7, no. 11, pp. 2160-2179, 2014.
9. Aqeel Raza Syed, Kok-Lim Alvin Yau, "Spectrum Leasing in Cognitive Radio Networks", *International Journal of Distributed Sensor Networks*, vol. 2014, pp. 1-22, 2014.
10. Kok-Lim Alvin Yau, Geong Sen Poh, Peter Komisarczuk, "Security Aspects in the Cognition Cycle of Distributed Cognitive Radio Networks", *Inderscience International Journal of Ad Hoc and Ubiquitous Computing*, vol. 12, no. 3, pp. 157-176, 2013.
11. Kok-Lim Alvin Yau, Kae Hsiang Kwong, Shen Chong, "Reinforcement learning models for scheduling in wireless networks", *Springer Frontiers of Computer Science*, vol. 7, no. 5, pp. 754-766, 2013.
12. Kok-Lim Alvin Yau, Peter Komisarczuk, Paul D. Teal, "Reinforcement Learning for Context Awareness and Intelligence in Wireless Networks", *Elsevier Journal of Network and Computer Applications*, vol. 35, no. 1, pp. 253-267, 2012.

Patent:

1. System and Method for Cluster Based Routing for Cognitive Mesh Networks, Filed on 22 December 2014, Application No: PI 2014703918.