

Publications

Book chapters

- [1] Yee Wei Law and Marimuthu Palaniswami. Key management in wireless sensor networks. In Sudip Misra, Issac Woungang, and Subhas Chandra Misra, editors, *Guide to Wireless Sensor Networks*, Computer Communications and Networks, chapter 20, pages 513–532. Springer, 2009. [doi:10.1007/978-1-84882-218-4](https://doi.org/10.1007/978-1-84882-218-4).
- [2] Yee Wei Law, Marimuthu Palaniswami, and Raphael Chung-Wei Phan. Secure data aggregation in wireless sensor networks. In Sudip Misra, Issac Woungang, and Subhas Chandra Misra, editors, *Guide to Wireless Sensor Networks*, Computer Communications and Networks, chapter 21, pages 533–560. Springer, 2009. [doi:10.1007/978-1-84882-218-4](https://doi.org/10.1007/978-1-84882-218-4).
- [3] Yee Wei Law, Li-Hsing Yen, Roberto Di Pietro, and Marimuthu Palaniswami. Secure k -Connectivity Properties of Wireless Sensor Networks. In Zhen Jiang and Yi Pan, editors, *From Problem to Solution: Wireless Sensor Networks Security*, chapter 13, pages 257–270. NOVA Science Publishers, 2009. URL: http://www.novapublishers.org/catalog/product_info.php?products_id=6983.

Journals

- [4] Moo-Hyun Lee, Sunghwan Cho, Sungjae Park, Sang-Heon Lee, Yee Wei Law, and Yongchul Kim. Adversarial Vulnerability of Deep Learning-Based LPI Detectors. *The Journal of Korean Institute of Communications and Information Sciences*, 2026. Accepted on 16 Jan 2026, to appear.
- [5] S. Aslam, D.T.H. Lai, Y.W. Law, J. Zhao, B. Stephens, F. Bennet, S.W. Loke, and J. Choi. A survey on quantum-secured microgrids: Opportunities and challenges. *IEEE Systems Journal*, 2026. [doi:10.1109/JSYST.2026.3652000](https://doi.org/10.1109/JSYST.2026.3652000).
- [6] Zhiqing Xu, Christopher W. K. Chow, Md. Mizanur Rahman, Raufdeen Rameezdeen, and Yee Wei Law. Remaining useful life prediction for bearings across domains via a subdomain adaptation network driven by spectral clustering. *Sensors*, 25(22), 2025. [doi:10.3390/s25226919](https://doi.org/10.3390/s25226919).
- [7] Zhiqing Xu, Christopher W. K. Chow, Md. Mizanur Rahman, Raufdeen Rameezdeen, and Yee Wei Law. Remaining useful life prediction across conditions based on a health indicator-weighted subdomain alignment network. *Sensors*, 25(15), 2025. [doi:10.3390/s25154536](https://doi.org/10.3390/s25154536).
- [8] Zhiqing Xu, Yee Wei Law, Md Mizanur Rahman, Raufdeen Rameezdeen, and Christopher W.K. Chow. Remaining useful life prediction based on a subdomain adaptation and contextual information compensation network. *Knowledge-Based Systems*, page 113841, 2025. [doi:10.1016/j.knosys.2025.113841](https://doi.org/10.1016/j.knosys.2025.113841).
- [9] Andrew Du, Anh-Dzung Doan, Yee Wei Law, and Tat-Jun Chin. Domain adaptation for satellite-borne multispectral cloud detection. *Remote Sensing*, 18(16), 2024. [doi:10.3390/rs16183469](https://doi.org/10.3390/rs16183469).
- [10] Wing Shan Tam, Yee Wei Law, and Chi Wah Kok. A capacitor-free fast-response low-dropout voltage regulator. *Solid State Electronics Letters*, 4:10–14, 2022. URL: <https://www.sciencedirect.com/science/article/pii/S2589208822000084>, doi: [10.1016/j.ssel.2022.12.001](https://doi.org/10.1016/j.ssel.2022.12.001).
- [11] John L. McGuire, Yee Wei Law, Kutluyl Doğançay, Sook-Ying Ho, and Javaan Chahl. Optimal maneuvering for autonomous vehicle self-localization. *Entropy*, 24(8), 2022. URL: <https://www.mdpi.com/1099-4300/24/8/1169>, doi: [10.3390/e24081169](https://doi.org/10.3390/e24081169).
- [12] John McGuire, Yee Wei Law, Javaan Chahl, and Kutluyl Doğançay. Optimal beacon placement for self-localization using three beacon bearings. *Symmetry*, 13(1), 2021. URL: <https://www.mdpi.com/2073-8994/13/1/56>, doi: [10.3390/sym13010056](https://doi.org/10.3390/sym13010056).
- [13] Fahimeh Nasimi, Mohammad Reza Khayyambashi, Naser Movahhedinia, and Yee Wei Law. Exploiting similar prior knowledge for compressing ECG signals. *Biomedical Signal Processing and Control*, 60:101960, 2020. URL: <https://www.sciencedirect.com/science/article/pii/S1746809420301166>, doi: [10.1016/j.bspc.2020.101960](https://doi.org/10.1016/j.bspc.2020.101960).
- [14] Asanka G. Perera, Yee Wei Law, Titilayo T. Ogunwa, and Javaan Chahl. A multiviewpoint outdoor dataset for human action recognition. *IEEE Transactions on Human-Machine Systems*, 50(5):405–413, 2020. URL: <https://ieeexplore.ieee.org/document/9005197>, doi: [10.1109/THMS.2020.2971958](https://doi.org/10.1109/THMS.2020.2971958).
- [15] Asanka G. Perera, Yee Wei Law, and Javaan Chahl. Drone-Action: An outdoor recorded drone video dataset for action recognition. *Drones*, 3(4):82, 2019. URL: <https://www.mdpi.com/2504-446X/3/4/82>, doi: [10.3390/drones3040082](https://doi.org/10.3390/drones3040082).
- [16] Asanka G. Perera, Yee Wei Law, and Javaan Chahl. Human pose and path estimation from aerial video using dynamic classifier selection. *Cognitive Computation*, 10(6):1019–1041, 2018. URL: <https://rdcu.be/20UE>, doi: [10.1007/s12559-018-9577-6](https://doi.org/10.1007/s12559-018-9577-6).
- [17] Lingjuan Lyu, James C. Bezdek, Yee Wei Law, Xuanli He, and Marimuthu Palaniswami. Privacy-preserving collaborative fuzzy clustering. *Data & Knowledge Engineering*, 116:21–41, 2018. doi: [10.1016/j.dake.2018.05.002](https://doi.org/10.1016/j.dake.2018.05.002).
- [18] Asanka G. Perera, Yee Wei Law, Ali Al-Naji, and Javaan Chahl. Human motion analysis from UAV video. *International Journal of Intelligent Unmanned Systems*, 6(2):69–92, 2018. doi: [10.1108/IJIUS-10-2017-0012](https://doi.org/10.1108/IJIUS-10-2017-0012).
- [19] Jun-Wei Li, Shi-Ning Li, Yu Zhang, Tao Gu, Yee Wei Law, Zhe Yang, Xingshe Zhou, and Marimuthu Palaniswami. An analytical model for coding-based reprogramming protocols in lossy wireless sensor networks. *IEEE Transactions on Computers*, 66(1):24–37, 2017. URL: <https://ieeexplore.ieee.org/document/7463080>, doi: [10.1109/TC.2016.2560805](https://doi.org/10.1109/TC.2016.2560805).
- [20] Yee Wei Law, Tansu Alpcan, and Marimuthu Palaniswami. Security games for risk minimization

- in automatic generation control. *IEEE Transactions on Power Systems*, 30(1):223–232, January 2015. [doi:10.1109/TPWRS.2014.2326403](https://doi.org/10.1109/TPWRS.2014.2326403).
- [21] Slaven Marusic, Jayavardhana Gubbi, Helen Sullivan, Yee Wei Law, and Marimuthu Palaniswami. Participatory sensing, privacy and trust management for interactive local governance. *IEEE Technology and Society Magazine*, 33(3), 2014. [doi:10.1109/MTS.2014.2345203](https://doi.org/10.1109/MTS.2014.2345203).
- [22] Anthony Lo, Yee Wei Law, and Martin Jacobsson. A cellular-centric service architecture for machine-to-machine (M2M) communications. *IEEE Wireless Communications*, 20(5):143–151, 2013. [doi:10.1109/MWC.2013.6664485](https://doi.org/10.1109/MWC.2013.6664485).
- [23] Yee Wei Law, Marimuthu Palaniswami, Gina Kounga, and Anthony Lo. WAKE: Key management scheme for wide-area measurement systems in smart grid. *IEEE Communications Magazine*, 51(1):34–41, January 2013. [doi:10.1109/MCOM.2013.6400436](https://doi.org/10.1109/MCOM.2013.6400436).
- [24] Li-Hsing Yen, Yee Wei Law, and Marimuthu Palaniswami. Risk-aware distributed beacon scheduling for tree-based ZigBee wireless networks. *IEEE Transactions on Mobile Computing*, 11(4):692–703, April 2012. [doi:10.1109/TMC.2011.88](https://doi.org/10.1109/TMC.2011.88).
- [25] Yu Zhang, Xing She Zhou, Yee Wei Law, and Marimuthu Palaniswami. A secure method for network coding-based reprogramming protocols in wireless sensor networks. *International Journal of Computer Network and Information Security*, 3(2):34–40, March 2011. [doi:10.5815/ijcnis.2011.02.05](https://doi.org/10.5815/ijcnis.2011.02.05).
- [26] Yee Wei Law, Giorgi Moniava, Zheng Gong, Pieter Hartel, and Marimuthu Palaniswami. KALwEN: A new practical and interoperable key management scheme for body sensor networks. *Security and Communication Networks*, 4:1309–1329, 2011. [doi:10.1002/sec.256](https://doi.org/10.1002/sec.256).
- [27] Yee Wei Law, Yu Zhang, Jiong Jin, Marimuthu Palaniswami, and Paul Havinga. Secure Rateless Deluge: Pollution-Resistant Reprogramming and Data Dissemination for Wireless Sensor Networks. *EURASIP Journal on Wireless Communications and Networking: Special Issue on Security and Resilience for Smart Devices and Applications*, 2011, 2011. Article ID 685219, 22 pages. URL: <https://link.springer.com/article/10.1155/2011/685219>, doi:10.1155/2011/685219.
- [28] Yu Zhang, Xing She Zhou, Yi Ming Ji, Yee Wei Law, and Marimuthu Palaniswami. Five basic types of insider DoS attacks of code dissemination in Wireless Sensor Networks. *International Journal of Communications, Network and System Sciences*, 2(1), 2009. Article ID 184. URL: https://www.scirp.org/html/8_970040_184.htm, doi:10.4236/ijcns.2009.21008.
- [29] Yee Wei Law, Marimuthu Palaniswami, Lodewijk van Hoesel, Jeroen Doumen, Pieter Hartel, and Paul Havinga. Energy-efficient link-layer jamming attacks against wireless sensor network MAC protocols. *ACM Transactions on Sensor Networks*, 5(1), February 2009. Article No. 6. URL: <https://dl.acm.org/doi/10.1145/1464420.1464426>, doi:10.1145/1464420.1464426.
- [30] Cheun Ngen Chong, Ricardo Corin, Jeroen Doumen, Sandro Etalle, Pieter Hartel, Yee Wei Law, and Andrew Tokmakoff. LicenseScript: A logical language for digital rights management. *Annals of Telecommunications, Special Issue on Information Systems Security*, 61:284–331, April 2006. URL: <https://rdcu.be/cAPKh>, doi:10.1007/BF03219910.
- [31] Yee Wei Law, Jeroen Doumen, and Pieter Hartel. Survey and benchmark of block ciphers for wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(1):65–93, February 2006. URL: <https://dl.acm.org/doi/10.1145/1138127.1138130>, doi:10.1145/1138127.1138130.
- ## Conferences
- [32] Jarrad M. Knight, Jordan Kildare, Fabian Zander, Yee Wei Law, and Michael J. Evans. Characterisation of wake-region optical emissions from an ablative hypersonic glide vehicle. In *AIAA SCITECH 2026 Forum*, pages AIAA 2026–2509, 2026. Preprint at <https://github.com/ywlaw/ywlaw.github.io/blob/main/pub/knight2026characterisation.pdf>, not peer-reviewed. doi:10.2514/6.2026-2509.
- [33] Zhiqing Xu, Yee Wei Law, Christopher W.K. Chow, Md Mizanur Rahman, and Raufdeen Rameezdeen. Remaining useful life prediction across domains via a clustering-aware and time-weighted subdomain adaptation network. In *IEEE 24th World Symposium on Applied Machine Intelligence and Informatics (SAMI 2026)*, 2026.
- [34] Jordan Kildare, Jarrad Kight, Michael Evans, and Yee Wei Law. Synthesis of a multispectral image dataset for ML-based space surveillance. In *76th International Astronautical Congress*, 2025. Paper ID IAC-25-B1.4.4.x98985, preprint at <https://github.com/ywlaw/ywlaw.github.io/blob/main/pub/kildare2025synthesis.pdf>, not peer-reviewed.
- [35] Uakomba Uhongora, Mamello Thinyane, and Yee Wei Law. Development of an sdn-based space system simulation framework for intrusion detection. In *2025 IEEE International Conference on Cyber Security and Resilience (CSR)*, pages 524–529, 2025. doi:10.1109/CSR64739.2025.11130072.
- [36] Yee Wei Law, Yu Qiao, Chris Chow, Romeo Marian, Neda Gorjani Jolfaei, Nima Gorjani, and Jeng-Shyang Pan. Diagnosing rolling-element bearing faults in the real world: problem solved? In *IECON 2023 - 49th Annual Conference of the IEEE Industrial Electronics Society*, 2023. doi:10.1109/IECON51785.2023.10312154.
- [37] Uakomba Uhongora, Ronald Mulinde, Yee Wei Law, and Jill Slay. Deep-learning-based intrusion detection for software-defined networking space systems. In *22nd European Conference on Cyber Warfare and Security (ECCWS)*, volume 22, pages 639–647. Academic Conferences International Ltd, 2023. doi:10.34190/eccws.22.1.1085.

- [38] Andrew Edwards, Yee Wei Law, Ronald Mulinde, and Jill Slay. Evaluation of quantum key distribution for secure satellite-integrated IoT networks. In *18th International Conference on Cyber Warfare and Security (ICCWS)*, volume 18, pages 67–76. Academic Conferences International Ltd, 2023. doi:[10.34190/iccws.18.1.982](https://doi.org/10.34190/iccws.18.1.982).
- [39] Yee Wei Law, John Joshua Gliponeo, Dilpreet Singh, John McGuire, Jiajun Liang, Sook-Ying Ho, and Jill Slay. Detecting and tracking hypersonic glide vehicles: a cybersecurity-engineering analysis of academic literature. In *18th International Conference on Cyber Warfare and Security (ICCWS)*, volume 18, pages 189–198. Academic Conferences International Ltd, 2023. doi:[10.34190/iccws.18.1.950](https://doi.org/10.34190/iccws.18.1.950).
- [40] Andrew Du, Yee Wei Law, Michele Sasdelli, Bo Chen, Ken Clarke, Michael Brown, and Tat-Jun Chin. Adversarial attacks against a satellite-borne multispectral cloud detector. In *2022 International Conference on Digital Image Computing: Techniques and Applications (DICTA)*, 2022. arXiv version at <https://arxiv.org/abs/2112.01723>. doi:[10.1109/DICTA56598.2022.10034592](https://doi.org/10.1109/DICTA56598.2022.10034592).
- [41] Yee Wei Law and Jill Slay. SIEM4GS: Security information and event management for a virtual ground station testbed. In *21st European Conference on Cyber Warfare and Security (ECCWS)*, volume 21, pages 150–159. Academic Conferences International Ltd, 2022. URL: <https://papers.academic-conferences.org/index.php/eccws/article/view/228>, doi:[10.34190/eccws.21.1.228](https://doi.org/10.34190/eccws.21.1.228).
- [42] Andrew Du, Bo Chen, Tat-Jun Chin, Yee Wei Law, Michele Sasdelli, Ramesh Rajasegaran, and Dillon Campbell. Physical adversarial attacks on an aerial imagery object detector. In *2022 IEEE/CVF Winter Conference on Applications of Computer Vision (WACV 2022)*, pages 3798–3808, 2022. doi:[10.1109/WACV51458.2022.00385](https://doi.org/10.1109/WACV51458.2022.00385).
- [43] John McGuire, Yee Wei Law, and Javaan Chahl. Mobile beacon path planning for optimal unmanned aerial vehicle self-localization. In *19th Australian International Aerospace Congress*, 2021.
- [44] Lingjuan Lyu, Yee Wei Law, Kee Siong Ng, Shibei Xue, Jun Zhao, Mengmeng Yang, and Lei Liu. Towards distributed privacy-preserving prediction. In *2020 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2020)*, pages 4179–4184, 2020. Accepted on 21 August 2020. URL: <https://ieeexplore.ieee.org/document/9283102>, doi:[10.1109/smci42975.2020.9283102](https://doi.org/10.1109/smci42975.2020.9283102).
- [45] Jun Li, Kutluyl Doğançay, Ngoc Hung Nguyen, and Yee Wei Law. DRSS-based localisation using weighted instrumental variables and selective power measurement. In *ICASSP 2020 - 2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, pages 4876–4880, 2020. doi:[10.1109/ICASSP40776.2020.9053965](https://doi.org/10.1109/ICASSP40776.2020.9053965).
- [46] John McGuire, Kutluyl Doğançay, Yee Wei Law, and Javaan Chahl. Vehicle path optimization for angle-of-arrival localization. In *27th European Signal Processing Conference (EUSIPCO 2019)*. *Satellite Workshop: Signal Processing, Computer Vision and Deep Learning for Autonomous Systems*, 2019. URL: https://www.eurasip.org/Proceedings/Eusipco/eusipco2019/wp-content/uploads/2019/08/Vehicle_Path_Optimization_for_Angle-of-Arrival_Localization.pdf.
- [47] Jun Li, Kutluyl Doğançay, Ngoc Hung Nguyen, and Yee Wei Law. Reducing the bias in DRSS-based localization: An instrumental variable approach. In *27th European Signal Processing Conference (EUSIPCO 2019)*, 2019. doi:[10.23919/EUSIPCO.2019.8902818](https://doi.org/10.23919/EUSIPCO.2019.8902818).
- [48] Asanka G. Perera, Yee Wei Law, and Javaan Chahl. Cross-correlation-based robust object tracking in aerial videos. In *18th Australian International Aerospace Congress*, 2019. URL: <https://search.informit.com.au/fullText;dn=321573522790602;res=IELENG>.
- [49] Matej Kristan, Aleš Leonardis, Jiří Matas, Michael Felsberg, Roman Pflugfelder, Luka Čehovin Zajc, Tomáš Vojíř, Goutam Bhat, Alan Lukežić, Abdelrahman Eldesokey, Gustavo Fernández, Álvaro García-Martín, Álvaro Iglesias-Arias, A. Aydin Alatan, Abel González-García, Alfredo Petrosino, Alireza Memarmoghadam, Andrea Vedaldi, Andrej Muhič, Anfeng He, Arnold Smeulders, Asanka G. Perera, Bo Li, Boyu Chen, Changick Kim, Changsheng Xu, Changzhen Xiong, Cheng Tian, Chong Luo, Chong Sun, Cong Hao, Daijin Kim, Deepak Mishra, Deming Chen, Dong Wang, Dongyoon Wee, Efstratios Gavves, Erhan Gundogdu, Erik Velasco-Salido, Fahad Shahbaz Khan, Fan Yang, Fei Zhao, Feng Li, Francesco Battistone, George De Ath, Gorthi R. K. S. Subrahmanyam, Guilherme Bastos, Haibin Ling, Hamed Kiani Galoogahi, Hankyeol Lee, Haojie Li, Haojie Zhao, Heng Fan, Honggang Zhang, Horst Possegger, Houqiang Li, Huchuan Lu, Hui Zhi, Huiyun Li, Hyemin Lee, Hyung Jin Chang, Isabela Drummond, Jack Valmadre, Jaime Spencer Martin, Javaan Chahl, Jin Young Choi, Jing Li, Jinqiao Wang, Jinqing Qi, Jinyoung Sung, Joakim Johnander, Joao Henriques, Jongwon Choi, Joost van de Weijer, Jorge Rodríguez Herranz, José M. Martínez, Josef Kittler, Junfei Zhuang, Junyu Gao, Klemen Grm, Lichao Zhang, Lijun Wang, Lingxiao Yang, Litu Rout, Liu Si, Luca Bertinetto, Lutao Chu, Manqiang Che, Mario Edoardo Maresca, Martin Danelljan, Ming-Hsuan Yang, Mohamed Abdel-pakey, Mohamed Shehata, Myunggu Kang, Namhoon Lee, Ning Wang, Ondrej Miksik, P. Moallem, Pablo Vicente-Moñivar, Pedro Senna, Peixia Li, Philip Torr, Priya Mariam Raju, Qian Ruihe, Qiang Wang, Qin Zhou, Qing Guo, Rafael Martín-Nieto, Rama Krishna Gorthi, Ran Tao, Richard Bowden, Richard Everson, Runling Wang, Sangdoo Yun, Seokeon Choi, Sergio Vivas, Shuai Bai, Shuangping Huang, Sihang Wu, Simon Hadfield, Siwen Wang, Stuart Golodetz, Tang Ming, Tianyang Xu, Tianzhu Zhang, Tobias Fischer, Vincenzo Santopietro, Vitomir Štruc, Wang Wei, Wangmeng Zuo, Wei Feng, Wei Wu, Wei Zou, Weiming Hu, Wengang Zhou, Wenjun Zeng, Xiaofan Zhang, Xiaohe Wu, Xiao-Jun Wu, Xinmei Tian, Yan Li, Yan Lu, Yee Wei Law, Yi Wu, Yiannis Demiris, Yicai Yang, Yifan Jiao, Yuhong Li, Yunhua Zhang, Yuxuan Sun, Zheng Zhang, Zheng Zhu, Zhen-Hua Feng, Zhihui Wang, and Zhiqun He.

- The sixth Visual Object Tracking VOT2018 challenge results. In *Computer Vision – ECCV 2018 Workshops: Munich, Germany, September 8–14, 2018, Proceedings, Part I*, pages 3–53, Cham, 2019. Springer International Publishing. URL: https://link.springer.com/chapter/10.1007/978-3-030-11009-3_1, doi:10.1007/978-3-030-11009-3_1.
- [50] Asanka G. Perera, Yee Wei Law, and Javaan Chahl. UAV-GESTURE: A dataset for UAV control and gesture recognition. In Laura Leal-Taixé and Stefan Roth, editors, *Computer Vision – ECCV 2018 Workshops*, pages 117–128, Cham, 2019. Springer International Publishing. doi:10.1007/978-3-030-11012-3_9.
- [51] Asanka G. Perera, Ali Al-Naji, Yee Wei Law, and Javaan Chahl. Human detection and motion analysis from a quadrotor UAV. In *AEROTECH VII CONFERENCE 2018: Sustainability in Aerospace Engineering & Technology*, volume 405 of *IOP Conference Series: Materials Science and Engineering*, page 012003. IOP Publishing, September 2018. URL: <http://iopscience.iop.org/issue/1757-899X/405/1>, doi:10.1088/1757-899x/405/1/012003.
- [52] Lingjuan Lyu, Xuanli He, Yee Wei Law, and Marimuthu Palaniswami. Privacy-preserving collaborative deep learning with application to human activity recognition. In *Proceedings of the 2017 ACM on Conference on Information and Knowledge Management*, CIKM ’17, pages 1219–1228, New York, NY, USA, 2017. ACM. URL: <http://doi.acm.org/10.1145/3132847.3132990>, doi:10.1145/3132847.3132990.
- [53] Lingjuan Lyu, Yee Wei Law, Jiong Jin, and Marimuthu Palaniswami. Privacy-preserving aggregation of smart metering via transformation and encryption. In *2017 IEEE Trustcom/BigDataSE/ICESS*, pages 472–479, August 2017. doi:10.1109/Trustcom/BigDataSE/ICESS.2017.273.
- [54] Lingjuan Lyu, Yee Wei Law, Sarah M. Erfani, Christopher Leckie, and Marimuthu Palaniswami. An improved scheme for privacy-preserving collaborative anomaly detection. In *2016 IEEE International Conference on Pervasive Computing and Communication Workshops (PerCom Workshops)*, pages 1–6, March 2016. doi:10.1109/PERCOMW.2016.7457159.
- [55] Boda Ning, Jiong Jin, Jinchuan Zheng, and Yee Wei Law. Connectivity control and performance optimization in wireless robotic networks: Issues, approaches and a new framework. In *Proceedings of 2014 International Conference on Modelling, Identification & Control*, pages 142–148, December 2014. doi:10.1109/ICMIC.2014.7020742.
- [56] Yee Wei Law, Hemanshu Pota, Jiong Jin, Zhi-hong Man, and Marimuthu Palaniswami. Control and communication techniques for the smart grid: An energy efficiency perspective. *IFAC Proceedings Volumes*, 47(3):987–998, 2014. 19th IFAC World Congress. URL: <http://www.sciencedirect.com/science/article/pii/S147466701641743X>, doi:10.3182/20140824-6-ZA-1003.01736.
- [57] Sarah M. Erfani, Yee Wei Law, Shanika Karunasekera, Christopher A. Leckie, and Marimuthu Palaniswami. Privacy-preserving collaborative anomaly detection for participatory sensing. In Vincent S. Tseng, Tu Bao Ho, Zhi-Hua Zhou, Arbee L. P. Chen, and Hung-Yu Kao, editors, *Advances in Knowledge Discovery and Data Mining*, volume 8443 of *Lecture Notes in Computer Science*, pages 581–593. Springer International Publishing, 2014. doi:10.1007/978-3-319-06608-0_48.
- [58] Jayavardhana Gubbi, Slaven Marusic, Aravinda S. Rao, Yee Wei Law, and Marimuthu Palaniswami. A pilot study of urban noise monitoring architecture using wireless sensor networks. In *2013 International Conference on Advances in Computing, Communications and Informatics (ICAACCI)*, pages 1047–1052, 2013. URL: <https://ieeexplore.ieee.org/document/6637321>, doi:10.1109/ICAACCI.2013.6637321.
- [59] Yee Wei Law, Zheng Gong, Tie Luo, Slaven Marusic, and Marimuthu Palaniswami. Comparative study of multi-cast authentication schemes with application to wide-area measurement system. In *Proceedings of the 8th ACM SIGSAC Symposium on Information, Computer and Communications Security*, ASIA CCS ’13, pages 287–298, New York, NY, USA, 2013. Association for Computing Machinery. URL: <https://dl.acm.org/doi/10.1145/2484313.2484349>, doi:10.1145/2484313.2484349.
- [60] Jun-Wei Li, Shi-Ning Li, Yu Zhang, Yee Wei Law, Xingshe Zhou, and Marimuthu Palaniswami. Analytical model of coding-based reprogramming protocols in lossy wireless sensor networks. In *2013 IEEE International Conference on Communications (ICC)*, pages 1867–1871, June 2013. URL: <https://ieeexplore.ieee.org/document/6654793>, doi:10.1109/ICC.2013.6654793.
- [61] Tie Luo, Hwee-Pink Tan, Philip C. Quan, Yee Wei Law, and Jiong Jin. Enhancing responsiveness and scalability for OpenFlow networks via control-message quenching. In *2012 International Conference on ICT Convergence (ICTC)*, pages 348–353, October 2012. Best paper award. URL: <https://ieeexplore.ieee.org/document/6386857>, doi:10.1109/ICTC.2012.6386857.
- [62] Yee Wei Law, Tansu Alpcan, and Marimuthu Palaniswami. Security games for voltage control in smart grid. In *2012 50th Annual Allerton Conference on Communication, Control, and Computing (Allerton)*, pages 212–219, October 2012. doi:10.1109/Allerton.2012.6483220.
- [63] Yee Wei Law, Tansu Alpcan, Marimuthu Palaniswami, and Subhrakanti Dey. Security games and risk minimization for automatic generation control in smart grid. In Jens Grossklags and Jean Walrand, editors, *Decision and Game Theory for Security: Third International Conference, GameSec 2012, Budapest, Hungary, November 5–6, 2012. Proceedings*, volume 7638 of *Lecture Notes in Computer Science*, pages 281–295, Berlin, Heidelberg, 2012. Springer Berlin Heidelberg. URL: https://link.springer.com/chapter/10.1007/978-3-642-34266-0_17, doi:10.1007/978-3-642-34266-0_17.

- [64] Yee Wei Law, Tansu Alpcan, Vincent C.S. Lee, Anthony Lo, Slaven Marusic, and Marimuthu Palaniswami. Demand response architectures and load management algorithms for energy-efficient power grids: A survey. In *2012 Seventh International Conference on Knowledge, Information and Creativity Support Systems (KICSS)*, pages 134–141, November 2012. [doi:10.1109/KICSS.2012.45](https://doi.org/10.1109/KICSS.2012.45).
- [65] Zheng Gong, Svetla Nikova, and Yee Wei Law. KLEIN: A new family of lightweight block ciphers. In Ari Juels and Christof Paar, editors, *RFID Security and Privacy: 7th International Workshop, RFIDSec 2011, Amherst, USA, June 26-28, 2011, Revised Selected Papers*, volume 7055 of *Lecture Notes in Computer Science*, pages 1–18. Springer Berlin Heidelberg, 2012. URL: https://link.springer.com/chapter/10.1007/978-3-642-25286-0_1, doi:10.1007/978-3-642-25286-0_1.
- [66] Anthony Lo, Yee Wei Law, Martin Jacobsson, and Michal Kucharzak. Enhanced LTE-Advanced Random-Access Mechanism for Massive Machine-to-Machine (M2M) Communications. In *27th Wireless World Research Forum (WWRF27)*, 2011. CD-ROM publication but available at <https://ythewei.github.io/pub/lo2011enhanced.pdf>.
- [67] Zheng Gong, Qiang Tang, Yee Wei Law, and Hongyang Chen. KALwEN+: Practical key management schemes for gossip-based wireless medical sensor networks. In *Information Security and Cryptology: 6th International Conference, Inscrypt 2010, Shanghai, China, October 20-24, 2010, Revised Selected Papers*, volume 6584 of *Lecture Notes in Computer Science*, pages 268–283. Springer Berlin Heidelberg, 2011. doi:10.1007/978-3-642-21518-6_19.
- [68] Thomas Hanselmann, Yu Zhang, Mark Morelande, Mohd Ifran Md Nor, Jonathan Wei Jen Tan, Xing-She Zhou, and Yee Wei Law. Self-localization in wireless sensor networks using particle filtering with progressive correction. In *2010 5th International ICST Conference on Communications and Networking in China (CHINACOM 2010)*, pages 1–6. IEEE, August 2010. doi:10.4108/chinacom.2010.63.
- [69] Jiong Jin, Yee Wei Law, Marimuthu Palaniswami, and Zhihong Man. A unified flow control approach for QoS balance in differentiated services. In *2010 IEEE International Conference on Communications (ICC)*, pages 1–6. IEEE, May 2010. doi:10.1109/ICC.2010.5502604.
- [70] Andrea Munari, Wolfgang Schott, and Yee Wei Law. Dynamic tunnel routing for reliable and resilient data forwarding in wireless sensor networks. In *2009 IEEE 20th International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2009)*, pages 1178–1182. IEEE, September 2009. doi:10.1109/PIMRC.2009.5450314.
- [71] Yu Zhang, Xing She Zhou, Yee Wei Law, and Marimuthu Palaniswami. Insider DoS attacks on epidemic propagation strategies of network reprogramming in wireless sensor networks. In *2009 Fifth International Conference on Information Assurance and Security (IAS '09)*, volume 2, pages 263–266. IEEE, August 2009. URL: <https://ythewei.github.io/pub/zhang2009.pdf>.
- [72] Yee Wei Law, Supriyo Chatterjea, Jiong Jin, Thomas Hanselmann, and Marimuthu Palaniswami. Energy-efficient data acquisition by adaptive sampling for wireless sensor networks. In *Proceedings of the 2009 International Conference on Wireless Communications and Mobile Computing: Connecting the World Wirelessly*, IWCMC '09, pages 1146–1151. ACM, 2009. doi:10.1145/1582379.1582631.
- [73] Jiong Jin, Yee Wei Law, Wei-Hua Wang, and Marimuthu Palaniswami. A hierarchical transport architecture for wireless sensor networks. In *2008 International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP 2008)*, pages 145–150. IEEE, December 2008. URL: <https://ieeexplore.ieee.org/document/4761977>, doi:10.1109/ISSNIP.2008.4761977.
- [74] Li-Hsing Yen, Yee Wei Law, and Marimuthu Palaniswami. Risk-aware beacon scheduling for tree-based ZigBee/IEEE 802.15.4 wireless networks. In *Proceedings of the 4th Annual International Conference on Wireless Internet*, WICON '08, pages 79:1–79:9, Brussels, BEL, 2008. ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering). URL: <https://dl.acm.org/doi/abs/10.5555/1554126.1554225>, doi:10.5555/1554126.1554225.
- [75] Yee Wei Law and Marimuthu Palaniswami. Resilient network coding for wireless sensor networks. In *ICT-MobileSummit 2008*. IIMC International Information Management Corporation Ltd, 2008. URL: <https://ythewei.github.io/pub/law2008resilient.pdf>.
- [76] Yee Wei Law, James Sing, Braden Kidd, and Slaven Marusic. Secure code distribution in wireless sensor networks. In *ICT-MobileSummit 2008 Workshop “Wireless sensor and actuator network research on opposite sides of the globe - Europe/SENSEI and Australia/ISSNIP”*, 9 June, Stockholm, Sweden. IIMC International Information Management Corporation Ltd, 2008. Unrefereed. URL: <https://ythewei.github.io/pub/law2008secure.pdf>.
- [77] Yee Wei Law, Li-Hsing Yen, Roberto Di Pietro, and Marimuthu Palaniswami. Secure k -connectivity properties of wireless sensor networks. In *2007 IEEE International Conference on Mobile Adhoc and Sensor Systems (MASS 2007)*. IEEE, 2007. URL: <https://ieeexplore.ieee.org/document/4428764>, doi:10.1109/MOBHOC.2007.4428764.
- [78] Yee Wei Law and Paul J. M. Havinga. How to secure a wireless sensor network. In *2005 International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP 2005)*, pages 89–95. IEEE, December 2005. Invited paper. URL: <https://ieeexplore.ieee.org/document/1595561>, doi:10.1109/ISSNIP.2005.1595561.
- [79] Yee Wei Law, Lodewijk van Hoesel, Jeroen Doumen, Pieter Hartel, and Paul Havinga. Energy-efficient link-layer jamming attacks against wireless sensor network

- MAC protocols. In *Proceedings of the 3rd ACM Workshop on Security of Ad Hoc and Sensor Networks, SASN '05*, pages 76–88. Association for Computing Machinery, 2005. doi:[10.1145/1102219.1102234](https://doi.org/10.1145/1102219.1102234).
- [80] Yee Wei Law, Pieter Hartel, Jerry den Hartog, and Paul Havinga. Link-layer jamming attacks on S-MAC. In *Proceedings of the Second European Workshop on Wireless Sensor Networks (EWSN 2005)*, pages 217–225. IEEE, 2005. URL: <https://ieeexplore.ieee.org/document/1462013>, doi:[10.1109/EWSN.2005.1462013](https://doi.org/10.1109/EWSN.2005.1462013).
- [81] Yee Wei Law, Jeroen Doumen, and Pieter Hartel. Benchmarking block ciphers for wireless sensor networks. In *2004 IEEE International Conference on Mobile Ad-hoc and Sensor Systems (MASS 2004)*, pages 447–456. IEEE Computer Society Press, October 2004. doi:[10.1109/MAHSS.2004.1392185](https://doi.org/10.1109/MAHSS.2004.1392185).
- [82] Yee Wei Law, Cheun Ngen Chong, Sandro Etalle, Pieter H. Hartel, and Ricardo Corin. Licensing structured data with ease. In *The 2nd IFIP TC6 WG6.11 International Workshop for Technology, Economy, Social and Legal Aspects of Virtual Goods*. Technical University Ilmenau, May 2004. URL: <http://virtualgoods.tu-ilmenau.de/2004/law04licensing.pdf>.
- [83] Cheun Ngen Chong, Sandro Etalle, Pieter H. Hartel, and Yee Wei Law. Approximating fair use in LicenseScript. In Tengku Mohd Tengku Sembok, Halimah Badioze Zaman, Hsinchun Chen, Shalini R. Urs, and Sung-Hyon Myaeng, editors, *Digital Libraries: Technology and Management of Indigenous Knowledge for Global Access: 6th International Conference on Asian Digital Libraries, ICADL 2003, Kuala Lumpur, Malaysia, December 8-12, 2003. Proceedings*, volume 2911 of *LNCS*, pages 432–443. Springer Berlin Heidelberg, December 2003. URL: https://link.springer.com/chapter/10.1007/978-3-540-24594-0_44, doi:[10.1007/978-3-540-24594-0_44](https://doi.org/10.1007/978-3-540-24594-0_44).
- [84] Roberto Di Pietro, Luigi V. Mancini, Yee Wei Law, Sandro Etalle, and Paul Havinga. LKHW: A directed diffusion-based secure multicast scheme for wireless sensor networks. In C.-H. Huang and J. Ramanujam, editors, *Proceedings of the 2003 International Conference on Parallel Processing Workshops (ICPPW '03)*, pages 397–406. IEEE Computer Society Press, October 2003. Full paper at <http://eprints.eemcs.utwente.nl/5821/>. doi:[10.1109/ICPPW.2003.1240395](https://doi.org/10.1109/ICPPW.2003.1240395).
- [85] Cheun Ngen Chong, Ricardo Corin, Sandro Etalle, Pieter Hartel, Wim Jonker, and Yee Wei Law. LicenseScript: A novel digital rights language and its semantics. In Kia Ng, Christoph Busch, and Paolo Nesi, editors, *Proceedings Third International Conference on WEB Delivering of Music (WEDELMUSIC 2003)*, pages 122–129. IEEE, September 2003. URL: <https://ieeexplore.ieee.org/document/1233885>, doi:[10.1109/WDM.2003.1233885](https://doi.org/10.1109/WDM.2003.1233885).
- [86] Cheun Ngen Chong, Ricardo Corin, Sandro Etalle, Pieter Hartel, and Yee Wei Law. LicenseScript: A novel digital rights language. In R. Grimm and J. Nitzel, editors, *IFIP TC6 WG6.11 International Workshop for Technology, Economy, Social and Legal Aspects of Virtual Goods*, pages 104–115. Technical University Ilmenau, May 2003. URL: <http://virtualgoods.tu-ilmenau.de/2003/licensescript.pdf>.
- [87] Yee Wei Law, Ricardo Corin, Sandro Etalle, and Pieter Hartel. A formally verified decentralized key management architecture for wireless sensor networks. In Marco Conti, Silvia Giordano, Enrico Gregori, and Stephan Olariu, editors, *Personal Wireless Communications: IFIP-TC6 8th International Conference, PWC 2003, Venice, Italy, September 23-25, 2003. Proceedings*, volume 2775 of *Lecture Notes in Computer Science*, pages 27–39. Springer Berlin Heidelberg, 2003. doi:[10.1007/978-3-540-39867-7_3](https://doi.org/10.1007/978-3-540-39867-7_3).
- [88] Yee Wei Law, Sandro Etalle, and Pieter H. Hartel. Assessing security in energy-efficient sensor networks. In Dimitris Gritzalis, Sabrina De Capitani di Vimercati, Pierangela Samarati, and Sokratis Katsikas, editors, *Security and Privacy in the Age of Uncertainty: IFIP TC11 18th International Conference on Information Security (SEC2003) May 26–28, 2003, Athens, Greece*, pages 459–463, Boston, MA, May 2003. Springer US. URL: https://link.springer.com/chapter/10.1007/978-0-387-35691-4_46, doi:[10.1007/978-0-387-35691-4_46](https://doi.org/10.1007/978-0-387-35691-4_46).
- [89] Yee Wei Law and Kai Yun Chan. NECTAR: Simulation and Visualization in a 3D Collaborative Environment. In *EUROMEDIA 2002*, pages 47–54. SCS Publishing House, 2002. URL: <https://ris.utwente.nl/ws/portalfiles/portal/5477449/law02nectar.pdf>.

Edited volumes

- [90] Slaven Marusic, Marimuthu Palaniswami, Jayavardhana Gubbi, and Yee Wei Law, editors. *Proceedings of the 2009 Fifth International Conference on Intelligent Sensors, Sensor networks and Information Processing*. IEEE, December 2009. URL: <https://ieeexplore.ieee.org/xpl/conhome/5406658/proceeding>, doi:[10.1109/ISSNIP15188.2009](https://doi.org/10.1109/ISSNIP15188.2009).
- [91] Marimuthu Palaniswami, Slaven Marusic, and Yee Wei Law, editors. *Proceedings of the 2007 International Conference on Intelligent Sensors, Sensor networks and Information Processing*. IEEE, December 2007. URL: <https://ieeexplore.ieee.org/xpl/conhome/4489863/proceeding>, doi:[10.1109/ISSNIP13128.2007](https://doi.org/10.1109/ISSNIP13128.2007).

Theses

- [92] Yee Wei Law. *Key management and link-layer security of wireless sensor networks: energy-efficient attack and defense*. PhD thesis, University of Twente, 2005. doi:[10.3990/1.9789036522823](https://doi.org/10.3990/1.9789036522823).
- [93] Yee Wei Law. Simulation and visualization in a 3D collaborative environment. Master's thesis, Nanyang Technological University, 2003.