

List of Publications

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June 24, 2022

- [1] R C Ramirez, E S Agulto, S D Glaser, Z Zhang, J A C Hermocilla, and V B Ella. Development of a real-time wireless sensor network-based information system for efficient irrigation of upland and lowland crop production systems. *IOP Conference Series: Earth and Environmental Science*, 1038(1):012028, June 2022. [Project Website].
- [2] Annabelle Abrera, Melvin Castrosanto, Joseph Anthony Hermocilla, and Marlon Manalo. Molecular docking of ecdysone agonists and limonoid components of calamondin seeds to tobacco budworm ecdysone receptor. *KIMIKA*, 33(1), 2022. [Publisher].
- [3] Marie Betel B. de Robles, Joseph Anthony C. Hermocilla, and Jaderick P. Pabico. Characterization and classification of malware traffic over the tor network. In *Proceedings of the 20th Philippine Computing Science Congress (PCSC 2020)*, pages 78–87, Philippines, March 2020. Computing Society of the Philippines. [Dataset — TorMal2019].
- [4] Miyah D. Queliste, Joseph Anthony C. Hermocilla, and Jaderick P. Pabico. Design and implementation of an autonomous surface vehicle platform for water quality monitoring. In *Proceedings of the 20th Philippine Computing Science Congress (PCSC 2020)*, pages 14–25, Philippines, March 2020. Computing Society of the Philippines.
- [5] Ivan Marc H. Escamos, Maria Art Antonette D. Clarino, Joseph Anthony C. Hermocilla, Jaderick P. Pabico, and Cristino L. Tiburan Jr.. A memetic algorithm for generating spectral indices for remotely sensed imagery. In *Proceedings of the 40th Asian Conference on Remote Sensing (ACRS 2019)*, October 2019.
- [6] Guia Carmela B. Lara, Joseph Anthony C. Hermocilla, and Danilo J. Mercado. Exploring rssi for uav-to-gcs distance estimation. In *Proceedings of the 15th National Conference on Information Technology Education (NCITE*

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 - [9] Joseph Anthony C. Hermocilla and Eliezer A. Albacea. Osv-mpi: A prototype mpi implementation for the osv cloud operating system. In *Proceedings of the 14th National Conference on IT Education (NCITE2016)*, pages 203–208, . Philippine Society of Information Technology Educators, October 2016.
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 - [11] Ivan Marc H. Escamos, Allen Roy C. Roberto, Edwin R. Abucay, Gillian Katherine L. Inciong, Miyah D. Queliste, and Joseph Anthony C. Hermocilla. Comparison of different machine learning classifiers for building extraction in lidar-derived datasets. In *Proceedings of the 36th Asian Conference on Remote Sensing*, October 2015.
 - [12] Ivy Joy U. Aguila, Joseph Anthony C. Hermocilla, and Susan G. Tolentino. Sustainable application of versatile electronic system of billing electricity and other utilities software and technology. In *Proceedings of the 13th National Conference on IT Education (NCITE 2015)*, pages 186–192, . Philippine Society of Information Technology Educators, October 2015.
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- [25] Lei Kristoffer R. Lactuan, Joseph Anthony C. Hermocilla, M. Ghaemi, and A. Shahrokhi. A cuda-based implementation of the cellular potts model combined with lattice-gas cellular automata for cancer cell growth simulation. In *Proceedings of the 9th National Conference on IT Education (NCITE 2011)*, . Philippine Society of Information Technology Educators, October 2011.
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