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**Scopus Profile [ https://tinyurl.com/3kdvh88f ]**
**Google Scholar [ https://tinyurl.com/2p8h69s8 ]**

Research Interest:
Business Process Management, Information Systems, Virtual Reality, Digital Transformation and Educational Technology.

Scopus Publication:
    **14** Documents by author
    **18** Citations by *18* documents
    **3** *h*-index

Published Title**:**
- Omar, S., Kasem, A., Ahmad, A., Ya'akub, S. R., Ahman, S., & Yunus, E. (2019). Implementation of low-cost 3D-printed prosthetic hand and tasks-based control analysis. In *Omar S., Haji Suhaili W., Phon-Amnuaisuk S. (eds) Computational Intelligence in Information Systems. CIIS 2018. Advances in Intelligent Systems and Computing* (Vol. 888, pp. 213–223). Springer, Cham. https://doi.org/10.1007/978-3-030-03302-6_19
- Omar, S., Suhaili, W. S. H., & Somnuk Phon-Amnuaisuk. (2018). Computational intelligence in information systems : proceedings of the Computational Intelligence in Information Systems Conference (CIIS 2018). In *Advances in Intelligent Systems and Computing*. https://doi.org/10.1007/978-3-030-03302-6
- Omar, M. S. H., Chung, P. W. H., & Dawson, C. W. (2013). A novel workflow management system for handling process adaptation and compliance. *Proceedings - 27th International Conference on Advanced Information Networking and Applications Workshops, WAINA 2013*, 1174–1179. https://doi.org/10.1109/WAINA.2013.258
- Phon-Amnuaisuk, S., Shannon, P. D., & Omar, S. (2021). Learning Robot Arm Controls Using Augmented Random Search in Simulated Environments. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, *12832 LNAI*, 118–128. https://doi.org/10.1007/978-3-030-80253-0_11
- Suhaili, W. S. H., Siau, N. Z., Omar, S., & Phon-Amuaisuk, S. (2021). *Computational Intelligence in Information Systems* (W. S. H. Suhaili, N. Z. Siau, S. Omar, & S. Phon-Amuaisuk (eds.); Vol. 1321). Springer International Publishing. https://doi.org/10.1007/978-3-030-68133-3
- Rahim, S., Omar, S., Au, T. W., & Mashud, I. M. (2021). SMAC (Social, Mobile, Analytics, Cloud)-Based Learning Intervention for Introductory Programming – The Trend in the Past 15 Years. In *Suhaili W.S.H., Siau N.Z., Omar S., Phon-Amuaisuk S. (eds) Computational Intelligence in Information Systems. CIIS 2021. Advances in Intelligent Systems and Computing* (pp. 63–74). https://doi.org/10.1007/978-3-030-68133-3_7
- Venkat, I., Zainah Siau, H. N., Saiful Omar, M., Abdullah, S., & Alharbi, S. (2021). Graph Analytics to Reason Citations of Prophets in the Holy Quran. In *Suhaili W.S.H., Siau N.Z., Omar S., Phon-Amuaisuk S. (eds) Computational Intelligence in Information Systems. CIIS 2021. Advances in Intelligent Systems and Computing* (pp. 192–201). https://doi.org/10.1007/978-3-030-68133-3_19
- Phon-Amnuaisuk, S., Hadi, S., & Omar, S. (2020). Exploring Spatiotemporal Features for Activity Classifications in Films. Communications in Computer and Information Science, 1332, 410–417. https://doi.org/10.1007/978-3-030-63820-7_47
- Hussein, B. R., Kasem, A., Omar, S., & Siau, N. Z. (2019). A data mining approach for inventory forecasting: A case study of a medical store. *Advances in Intelligent Systems and Computing*, *888*, 178–188. https://doi.org/10.1007/978-3-030-03302-6_16

- Wan, A. T., Sun, L. Y., & Omar, M. S. (2018). Augmented reality technology for year 10 chemistry class: Can the students learn better? *International Journal of Computer-Assisted Language Learning and Teaching*, *8*(4), 45–64. https://doi.org/10.4018/IJCALLT.2018100104, SCIMAGO Q2
- Abdul Hamid, H. H., Ahmad Sherjawi, Z., Omar, S., & Phon-Amnuaisuk, S. (2017). Student acceptance and attitude towards using 3D virtual learning spaces. *Advances in Intelligent Systems and Computing*, *532*, 107–118. https://doi.org/10.1007/978-3-319-48517-1_10
- Somnuk Phon-Amnuaisuk, Au, T.-W., & Omar, S. (2016). Computational intelligence in information systems : proceedings of the Computational Intelligence in Information Systems Conference (CIIS 2016). In *Advances in Intelligent Systems and Computing*. https://doi.org/10.1007/978-3-319-48517-1
- Phon-Amnuaisuk, S., Rafi, A., Au, T. W., Omar, S., & Voon, N. H. (2016). Crowd simulation in 3D virtual environments. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, *10053 LNAI*, 162–172. https://doi.org/10.1007/978-3-319-49397-8_14
- Somnuk Phon-Amnuaisuk, Au, T.-W., & Omar, S. (2016). Computational intelligence in information systems : proceedings of the Computational Intelligence in Information Systems Conference (CIIS 2016). In *Advances in Intelligent Systems and Computing*. SCIMAGO - Q4
- Rahman, M. N. A., Seyal, A. H., Omar, M. S., & Maidin, S. A. (2015). A search engine development utilizing unsupervised learning approach. *Communications in Computer and Information Science*, *516*, 223–233. https://doi.org/10.1007/978-3-662-46742-8_21
- Phon-Amnuaisuk, S., Omar, S., Au, T. W., & Ramlie, R. (2015). Mathematics wall: Enriching mathematics education through AI. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, *9142*, 309–317. https://doi.org/10.1007/978-3-319-20469-7_33

Projects:
- Project lead - 5G Innovation Lab to develop 5G use cases on remote video motoring, AR/VR and Smart Campus applications.
- Project Lead - Brunei Darussalam Information Communications Technology (ICT) Survey for Individuals, Households and Businesses 2022
- UTB internal grant (2022 ~ 2023), as a Project Team Member, Project – *Mutual Trust Based Task Allo cation in Fog Computing to Support Trustworthy Computation in 5G and Beyond*– Value: USD 6000.
- UTB internal grant (2022 ~ 2023), as a Project Team Member, Project – Wearable Sensors to Monitor and Improve the Player's Performance in Sports – Value: BND 8000.
- ASEAN IVO project (2022) , as a Project Team Member, Project –*"An IoT-based Public Transport Data Collection and Analytics Framework using Bluetooth Proximity Beacons"*