Dr. Stanly Wilson

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Google Scholar   Scopus   Web of Science   DBLP

An enthusiastic learner and capable researcher with a specialization in Data Science, Federated Learning, Distributed Ledger Technologies, IoT and Embedded Systems, Hadoop and Computer Applications.

I have good programming skills in Python, Java, Solidity (smart contracts), Ink (smart contracts), Rust, R programming and basic NodeJS development. I am familiar with development frameworks such as Docker, VS code, PyCharm, Jupyter Notebooks and R-studio. I have worked in platforms such as Linux, Mac, Windows, Rasperry Pi and other embedded systems.

Education

2021 -2025, Newcastle upon Tyne, United Kingdom	**PhD** (Newcastle University, UK)
2019 – 2020 Newcastle upon Tyne, United Kingdom	**MS Data Science** (Newcastle University, UK)
2016 – 2019 Karnataka, India	**MCA (Masters in Computer Applications)** (Christ University, Bangalore, India)
2009 – 2012 Karnataka, India	**MA Philosophy** (Karnatak University, Dharwad, India)
2006 – 2009 Maharashtra, India	**BSc (PMCS)** (RTM Nagpur University, Nagpur, India)

Honours and Awards

2022	Outstanding Paper Award IEEE Bio-inspired Computing STC
2021	Newcastle University Overseas Research Scholarship (NUORS) for PhD in Computer Science
2019	Vice-Chancellor's International Scholarship (Newcastle University) for the MS Data Science

Conferences

09-13 October 2023 Limassol, Cyprus	19th IEEE International Conference on e-Science (e-Science)
27-31 May 2024 Dublin, Ireland	6th IEEE International Conference on Blockchain and Cryptocurrency (ICBC)
14-17 October 2025 Dubrovnik, Croatia	7th International Conference on Blockchain Computing and Applications (BCCA)

Publications (Journals and Conferences)

Total Publications	12
Journals	7
Conferences	4
Book Chapters	1

Scopus Indexed	11
Web of Science	08
Non Scopus	01

Scopus Indexed

1. **Wilson, Stanly**, Tanapon Suwankesawong, Kwabena Adu-Duodu, Yinhao Li, Rajiv Ranjan, Omer Rana, Ellis Solaiman. "Verifiable Auction Mechanisms for Material Reuse in the Built Environment," *2025 7th International Conference on Blockchain Computing and Applications (BCCA)*, Durbovnic, Croatia, 2025, pp. 895-897, doi: https://doi.org/10.1109/BCCA66705.2025.11229665 **(Scopus + Web of Science)**

2. Adu-Duodu, Kwabena, **Stanly Wilson**, Yinhao Li,, A. Oladimeji, Talea Huraysi, Masoud Barati, Charith Perera, Ellis Solaiman, Omer Rana, Rajiv Ranjan, and Tejal Shah, "A Circular Construction Product Ontology for End-of-Life Decision-Making", *In The 40th ACM/SIGAPP Symposium On Applied Computing (SAC)*, ACM, 2025, https://doi.org/10.1145/3672608.3707870 (**Scopus + Web of Science**)

3. **Wilson, Stanly**, Kwabena Adu-Duodu, Yinhao Li, Ringo Sham, Ellis Solaiman, Omer Rana, and Rajiv Ranjan. "Verifiable querying framework for multi-blockchain applications." In *2024 IEEE International Conference on Blockchain and Cryptocurrency (ICBC)*, pp. 250-253. IEEE, 2024, https://doi.org/10.1109/ICBC59979.2024.10634455 (**Scopus + Web of Science**)

4. **Wilson, Stanly**, Kwabena Adu-Duodu, Yinhao Li, Ringo Sham, Mohammed Almubarak, Yingli Wang, Ellis Solaiman, Charith Perera, Rajiv Ranjan, and Omer Rana. "Blockchain-Enabled provenance tracking for sustainable material reuse in construction supply chains." *Future Internet* 16, no. 4 (2024): 135, https://doi.org/10.3390/fi16040135 (**Scopus + Web of Science**)

5. **Wilson, Stanly**, Kwabena Adu-Duodu, Yinhao Li, Ellis Solaiman, Omer Rana, Schahram Dustdar, and Rajiv Ranjan. "Data management challenges in blockchain-based applications." *IEEE Internet Computing* 28, no. 1 (2024): 70-80, https://doi.org/10.1109/MIC.2023.3319152 (**Scopus + Web of Science**)

6. **Wilson, Stanly,** Kwabena Adu-Duodu, Yinhao Li, Ringo Sham, Yingli Wang, Ellis Solaiman, Charith Perera, Rajiv Ranjan, and Omer Rana. "Tracking material reuse across construction supply chains." In *2023 IEEE 19th International Conference on e-Science (e-Science)*, pp. 1-4. IEEE, 2023, https://doi.org/10.1109/e-Science58273.2023.10254935 (**Scopus + Web of Science**)

7. Puthal, Deepak, **Stanly Wilson**, Ashish Nanda, Ming Liu, Srinibas Swain, Biswa PS Sahoo, Kumar Yelamarthi, Prashant Pillai, Hesham El-Sayed, and Mukesh Prasad. "Decision tree based user-centric security solution for critical IoT infrastructure." *Computers and Electrical Engineering* 99 (2022): 107754, https://doi.org/10.1016/j.compeleceng.2022.107754 (**Scopus + Web of Science**)

8. Puthal, Deepak, Saraju P. Mohanty, **Stanly Wilson**, and Uma Choppali. "Collaborative edge computing for smart villages [energy and security]." *IEEE Consumer Electronics Magazine* 10, no. 3 (2021): 68-71, https://doi.org/10.1109/MCE.2021.3051813 (**Scopus + Web of Science**)

9. Goswami, Bhargavi, **Stanly Wilson**, Saleh Asadollahi, and Tony Manuel. "Data visualization: experiment to impose DDoS attack and its recovery on software-defined networks." *Data Visualization: Trends and Challenges Toward Multidisciplinary Perception* (2020): 141-160, https://doi.org/10.1007/978-981-15-2282-6_8 (**Scopus**)

10. **Wilson, Stanly**, and R, Sivakumar. (2019). Twitter data analysis using Hadoop ecosystems and Apache Zeppelin. *Indonesian Journal of Electrical Engineering and Computer Science*, *16*(3), 1490-1498, http://doi.org/10.11591/ijeecs.v16.i3.pp1490-1498 (**Scopus**)

11. **Wilson, Stanly**, Tony Manuel, and D. Peter Augustin. "Smart pollution monitoring system." *International Journal of Recent Technology and Engineering (IJRTE)* 7, no. 6 (2019): 1131-1136, https://www.ijrte.org/wp-content/uploads/papers/v7i6/F2541037619.pdf (**Scopus**)

Non Scopus

1. **Wilson, Stanly,** and V. B. Kirubanand. "Wind Turbine Data Collection using IoT." *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 9, no.2 (2019), http://doi.org/10.35940/ijitee.B6331.129219

Verified Reviews (@Web of Science/ @ORCID**)**

SI	Name	Publisher	Kind	Count
1	SN Computer Science	Springer Nature	Journal	7
2	IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (2025)	IEEE/ACM	Conference	2
3	Cluster Computing	Springer	Journal	1
4	Computing	Springer	Journal	1
5	Discover Internet of Things	Springer	Journal	1
6	Distributed Ledger Technologies: Research and Practice	ACM	Journal	1
7	Humanities & Social Sciences Communications	Springer Nature	Journal	1
8	IEEE International Conference on Cloud Computing (2024)	IEEE	Conference	1
9	IEEE International Conference on Joint Cloud Computing (JCC) (2025)	IEEE	Conference	1
10	Scientific Reports	Springer Nature	Journal	1
11	The Journal of Supercomputing	Springer Nature	Journal	1
12	IEEE/ACM Utility and Cloud Computing (UCC/BDCAT) (2025)	IEEE/ACM	Conference	3