Mr. Mathias Agbeko

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RESEARCH

Interests	Cryptography · Information Security · Cyber security education · Emerging technologies in Education
Areas	Artificial Intelligence · Information Systems · Education · Accounting · Aerospace Engineering · Communication

RESEARCH SUMMARY

13	60	4	3	1.68	9%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 13 publications listed below, 2018–2026. Field-weighted impact is the mean over the 11 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 11 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 10

1. Stephen Kwashie Amemasor, Stephen Opoku Oppong, Benjamin Ghansah, Ben-Bright Benuwa, **Mathias Agbeko** (2025). The influence of digital professional development and professional learning communities in the relationship between school digital preparedness and digital instructional integration. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0328883
2. Emmanuel Ahatsi, **Mathias Agbeko**, George Hanson (2023). Technologies and Business Practices of Mobile Network Service Providers in Ghana. *International Journal of Computer Applications*. https://doi.org/10.5120/ijca2023922853
3. Benjamin Ghansah, Ben-Bright Benuwa, Daniel Danso Essel, Andriana Pokuaa Sarkodie, **Mathias Agbeko** (2022). A Review of Non-Linear Kalman Filtering for Target Tracking. *International Journal of Data Analytics*. https://doi.org/10.4018/ijda.294864
4. **Agbeko, Mathias** (2021). Understanding Cyber Safety Behavior Among Teenagers in Ghana. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.5111963
5. Nana Akosah, **Mathias Agbeko** (2020). Optimizing Technology in Mobile Financial Services: User experiences and expectations in Ghana. *International Journal of Computer Applications*. https://doi.org/10.5120/ijca2020919716
6. EK Kwaa-Aidoo, **Mathias Agbeko** (2018). An Analysis of Information System Security of a Ghanaian University. *International Journal of Information Security Science*. https://www.researchgate.net/profile/Ephrem_Kwaa-Aidoo/publication/373192919_An_Information_Security_Analysis_of_a_University_The_Case_of_a_Ghanaian_University/links/64dee24c177c59041300de18/An-Information-Security-Analysis-of-a-University-The-Case-of-a-Ghanaian-University.pdf
7. Ephrem Kwaku Kwaa-Aidoo, **Mathias Agbeko** (2018). An Information Security Analysis of a University: The Case of a Ghanaian University. *DergiPark (Istanbul University)*.
8. **Mathias Agbeko**, EK Kwaa-Aidoo (2018). An exploration of the cyber bullying phenomenon among teenagers in Southern Ghana. *African Journal of Applied Research*. https://mail.ajaronline.com/index.php/

AJAR/article/view/276

9. Ephrem Kwaku Kwaa-Aidoo, **Mathias Agbeko** (2018). Self-disclosure in young people: A study of social undergraduate students in a Ghanaian university. *African Journal of Educational Studies in Mathematics and Sciences*.
10. Esther Gyimah, Delali Kwasi Dake, **Mathias Agbeko** (2018). The Role of Computer Games in the Learning of Programming among Tertiary Students in Ghana. *African Journal Of Applied Research*.

Book chapters 1

1. Ravinder Singh, Krishan Dutt, **Mathias Agbeko** (2025). Evolution of Reinforcement Learning in Various Applications: Recent Trends. *BENTHAM SCIENCE PUBLISHERS eBooks*. https://doi.org/10.2174/9789815322316125010006

Conference papers 2

1. Emmanuel Ahatsi, **Mathias Agbeko**, Nicholas Dowornu Mawulorm, Oludolapo Olanrewaju (2026). Sustainable Credit Card Fraud Detection for Resilient E-commerce Systems in Ghana. https://doi.org/10.1109/sustech67720.2026.11536633
2. Stephen Opoku Oppong, Emmanuel Kwesi Baah, **Mathias Agbeko**, Justice Nueteh Terkper (2021). Improved Botnet Attack Detection Using Principal Component Analysis and Ensemble Voting Algorithm. https://doi.org/10.1109/iccma53594.2021.00014