Review of: "A Unified Framework for Cyber Oriented Digital Engineering using Integration of Explainable Chaotic Cryptology on Pervasive Systems"

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Potential competing interests: No potential competing interests to declare.

The authors outline " A Unified Framework for Cyber Oriented Digital Engineering using Integration of Explainable Chaotic Cryptology on Pervasive Systems". The article may be of interest to the community of this journal; however, I have the following concerns:

1) The authors should state the required information as follows:

a) In the introduction, the contribution and motivation of the work are not clear.

b) More information regarding "The novelty of your contribution" should be added.

3) The authors should highlight their exact contributions.

4) There are some typos. The authors are suggested to carefully proofread the manuscript.

5) The comparison of the security level between chaotic maps must be added.

6) Abstract. It is suggested that the authors highlight their main findings and rewrite their brief conclusions.

7) Related work. Currently in the literature, there are too many articles that report the use of different chaotic maps to develop new PRNG for information encryption and other applications. For this reason, it is very important that the authors review recent articles (in the range 2018-2024) that have used PRNG with applications in information encryption.

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https://doi.org/10.1016/j.vlsi.2024.102192
DOI: 10.1108/CW-03-2021-0078

Colour image encryption scheme based on enhanced quadratic chaotic maphttps://doi.org/10.1049/iet-ipr.2019.0123

A Tweakable Image Encryption Algorithm Using an Improved Logistic Chaotic Maphttps://doi.org/10.18280/ts.360505

a) X. Wang, Y. Su, An audio encryption algorithm based on DNA coding and chaotic system, IEEE Access 8 (2019) 9260–9270..

b) An enhanced logistic chaotic map based tweakable speech encryption algorithm INTEGRATION, the VLSI journal 97 (2024) 102192

C) Y.-B. Huang, P.-W. Xie, J.-B. Gao, Q.-Y. Zhang, A robust chaotic map and its application to speech encryption in dual frequency domain, Int. J. Bifurc. Chaos 33 (8) (2023) 2350096.