Abstract

Information Security has been a major issue in the world, such that different societies and communities design and develop different forms of cryptosystem in ages which level of security could be tested by perfect secrecy. Àrokò is a non-verbal, symbolic material form of communication and a traditional way of sending information among the Yorùbá people formed in the ages before the Colonia era which is growing wane in this age. This paper examines the cultural heritage of the Yorùbá people with probability distribution in comparing the concept of Àrokò cryptosystem secrecy in Yorùbá tradition to logic of perfect secrecy of Shannon.

References

- Boaz, B. 2010. Lecture2 perfect Secrecy and its Limitations, New Jersey:
Logic of Perfect Secrecy in Àrokò Computational Cryptography

Princeton University, Spring.
- Ojo Matthias O 2013 "Symbols of warning, conflict, punishment and war and their meanings among the pre-colonial Yorùbá natives: A case of Àrokò" Originalni nau?ni rad.
- Phoebe A 2004 "Yoruba Art and Culture" hearst museum of anthropology, University of California
- Yu Zhang 2012 "Perfectly Secret Encryption" HIT/CST/NIS Cryptography, Spring

Index Terms
Computer Science
Security

Keywords
Cryptography (Àrokò) Yorùbá Communication Security cryptosystem perfect
secrecy
probability distribution and cultural heritage.