1145-VF-2870 **Robert S. Owor*** (robert.owor@asurams.edu), 504 College Drive, Albany, GA 31705, and **Zephyrinus C. Okonkwo** and **Anilkumar Devarapu**. *A Scalable Pluggable Cryptographic Algorithm for Enterprise Blockchain Sub-Channels.*

In this paper, we review the state of pluggable Cryptographic algorithms for Enterprise Blockchains. Cash Fault Tolerant (CFT) and/or several variants of Byzantine Fault Tolerant (BFT) protocols are increasing being used in enterprise blockchain systems. Privacy and Security in Enterprise-Grade Permissioned Blockchain networks is accomplished by the use of sub channels which are set up to enable communication among only approved blockchain nodes. When the number of transactions becomes large, initiation, establishment, communication, and dissolution of sub-channels can become expensive, time consuming and prohibitively slow for Enterprises requiring fast and efficient smart contracts and transaction processing. We propose the development of pluggable pre-programmed standardized sub-channels which can greatly increase the efficiency and speed of initiation, establishment, communication, and dissolution of communications sub-channels (Received September 25, 2018)